

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 <u>www.dep.wv.gov</u>

Friday, July 29, 2022 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for CASH 1H

47-103-03398-00-00

Lateral Extension

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number: CASH 1H

Farm Name: JOHN R. & PHYLLIS R. BOHRER

U.S. WELL NUMBER: 47-103-03398-00-00

Horizontal 6A New Drill Date Modification Issued: 7/29/2022

Promoting a healthy environment.

WW-6B (04/15) API NO. 47- 103 - 03398

OPERATOR WELL NO. 1H

Well Pad Name: Cash

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

1) Well Operator: EQT Prod	duction Company	306686	Wetzel	Center / Littleton
7 0 m = F 11 m 11 -		Operator ID	County	District Quadrangle
2) Operator's Well Number:	IH	Well:	Pad Name: Ca	sh
3) Farm Name/Surface Owner	John R. & Phyllis R.	Bohrer Public F	Road Access: C	R-8 Low Gap Run Road
4) Elevation, current ground:	1,501' E	levation, propos	ed post-constru	ction: 1,488'
5) Well Type (a) Gas X Other	Oil _	υ	nderground Sto	rage
***	hallow X Iorizontal X	Deep	4	
6) Existing Pad: Yes or No No	lo			
 Proposed Target Formation Marcellus, 7,577', 49', 2,620 	,	cipated Thicknes	ss and Expected	Pressure(s):
8) Proposed Total Vertical De	epth: 7,577'			
9) Formation at Total Vertical	Depth: Marcellus	s		
0) Proposed Total Measured	Depth: 18,991'	/		
1) Proposed Horizontal Leg	Length: 11,031'	/		
12) Approximate Fresh Water	Strata Depths:	155'		
13) Method to Determine Fres	sh Water Depths:	Offset Wells, 4	7-103-02537,	47-103-02647
(4) Approximate Saltwater De	epths: 2,107'			
15) Approximate Coal Seam I	Depths: 1,168'-1,1	71', 1,270'-1,2	76'	
16) Approximate Depth to Po	ssible Void (coal m	ine, karst, other): <u>N/A</u>	
17) Does Proposed well locati directly overlying or adjacent		ms Yes	1	No X
(a) If Yes, provide Mine Info	o: Name:			DECEMEN
A New Assert Street, of	Depth:			Office of Oil and Gar
	Seam:			JUL 1 9 2022
	Owner:			WV Department of

WW-6B	
(04/15)	

API NO. 47- 103	_ 03398
OPERATOR W	ELL NO. 1H
Mall Pad Nan	no: Cash

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252 GR 3	85.6	40	40 /	49 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1326	1326 🗸	1208 ft^3 / CTS
Coal			7				1-12-15
Intermediate	9 5/8	New	J-55	36	2758	2758	1065 ft^3 / CTS
Production	6	New	P-110	24	18991	18991 /	500' above intermediate casing
Tubing							1
Liners							

Kenneth Greynolds

Dig. CN = Kenneth Greynolds

Dig. CN = Kenneth Greynolds email = Kenneth L

Greynolds@ewy.gev. C = AD 0 = WWDEP OU = Oil and Gas
Diete 2022 07 06 10 26 58 -0400?

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	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A / Type 1	1.13 - 1.19
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A / Type 1	1.13 - 1.19
Production	6	8 1/2	0.400	14580	11664	Class A/H	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:	
Sizes:	DECENTED.
Depths Set:	Office of Oil and Gas
	JUL 192

WV Department of Environmental Protection

WW-6B	
(10/14)	

API NO. 47-103	- 03398
OPERATOR W	/ELL NO. 1H
Well Pad Nan	me: Cash

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.

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): 27.91
- 22) Area to be disturbed for well pad only, less access road (acres): 7.83
- 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.

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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

Wellbore Diagram **EQT Production** Well: Cash 1H County: Wetzel West Virginia Pad: Cash State: Elevation: 1488' GL 1501' KB Conductor @ 40' 26", 85.6#, A252 GR3, cement to surface w/ Class A **Surface** 1,326' @ 13-3/8", 54.5#, J-55, cement to surface w/ Class A/Type I RECEIVED
Office of Oil and Gas JUL 19 2022 WV Department of Environmental Protection Intermediate 2,758' @ 9-5/8", 36#, J-55, cement to surface w/ Class A/Type I **Production** 18,991' MD / 7,577' TVD @ 6", 24#, P-110, cement to 500' inside 9-5/8" w/ Class A/H Formation: Marcellus **NOT TO SCALE**

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Horizontal Well CASH

Marcellus Littleton Wetzel

Pad Name:

Quad: County: Elevation: Recommended Azimuth

Drilling Objectives:

1501 KB 315 Degrees

Recommended total wellbore length:

1488 GL

Proposed Logging Suite:

-No Pilot Hole Needed

Coal requirements:

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

ESTIMATED FORMATION TOPS	Derived from wells		4710302537	4710302647
Formation .	Top (TVD)	Base (TVD)	Lithology	Comments
Fresh Water Zone	1	155		FW from offsets @ 155, , , , , ,
Sewickley Coal	1168	1171 Cos	4	
Pittsburgh Coal	1270	1276 Coa	il and the second	SW @ 2107,
Big Injun	2584	2708 San	dstone	Hydrocarbon prod/show in offset @1005,2013,2365,2592,3561, , ,
Int. csg pt	2758			50 ft below Big Injun
Berea	2853	3150 San	dstone	
Gantz	3213	3357 Silt	v sand	and the state of t
Fifty foot	3379	3421 Silt	v sand	Outside of Storage Boundary
Thirty foot	3454	3480 Silt	y sand	
Bayard	3522	3643 San	dstone	
Upper Speechley	3972	4025 Silt	y sand	
Speechley	4035	4116 Silt	y sand	
Balltown	4116	4442 Silty	y sand	
Bradford	4442	5087 Silt	y sand	
Benson	5575	5961 Silty	y sand	
Alexander	5961	6417 Silt	v sand	
Elk	6417	7143 Silt	y sand	
Sonyea	7143	7290 Gra	y shale	
Middlesex	7290	7326 Bla	ck Shale	
Genesee	7326	7401 Gra	v shale interbedded	
Geneseo	7401	7428 Bla	ck Shale	To
Tully	7428	7452 Lim	estone	RI
Hamilton	7452	7553 Gra	y shale with some	
Marcellus	7553	7601 Bla	ck Shale	
-Purcell	7572	7574 Lim	estone	
-Cherry Valley	7585	7587 Lim	iestone	
-Lateral Zone	757	7		
Onondaga	7601	Lim	estone	

RR Base RR ROCK SHOWS NOT LISTED IN

Comments:
Note that this is a TVD prog for a horizontal well (azimuth of 315 degrees; target formation = Marcellus). All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data.

RECOMMENDED CASING POINTS

Conductor:	CSG OD	18 5/8"	CSG DEPTH:
Freshwater / Coal:	CSG OD	13 3/8"	CSG DEPTH:
Intermediate 1:	CSG OD	9 5/8"	CSG DEPTH:
Production:	CSG OD	5 1/2"	CSG DEPTH:

Planned Depth

a TD

40 1326 2758 50' below Pittsburgh 50' below big injun

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EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: Cash

County: Wetzel

July 14 2022

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JUL 1 9 2022

WV Department of Environmental Protection

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Cash pad: 1H, 3H, 5H & 7H

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
- 2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
- 3. 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

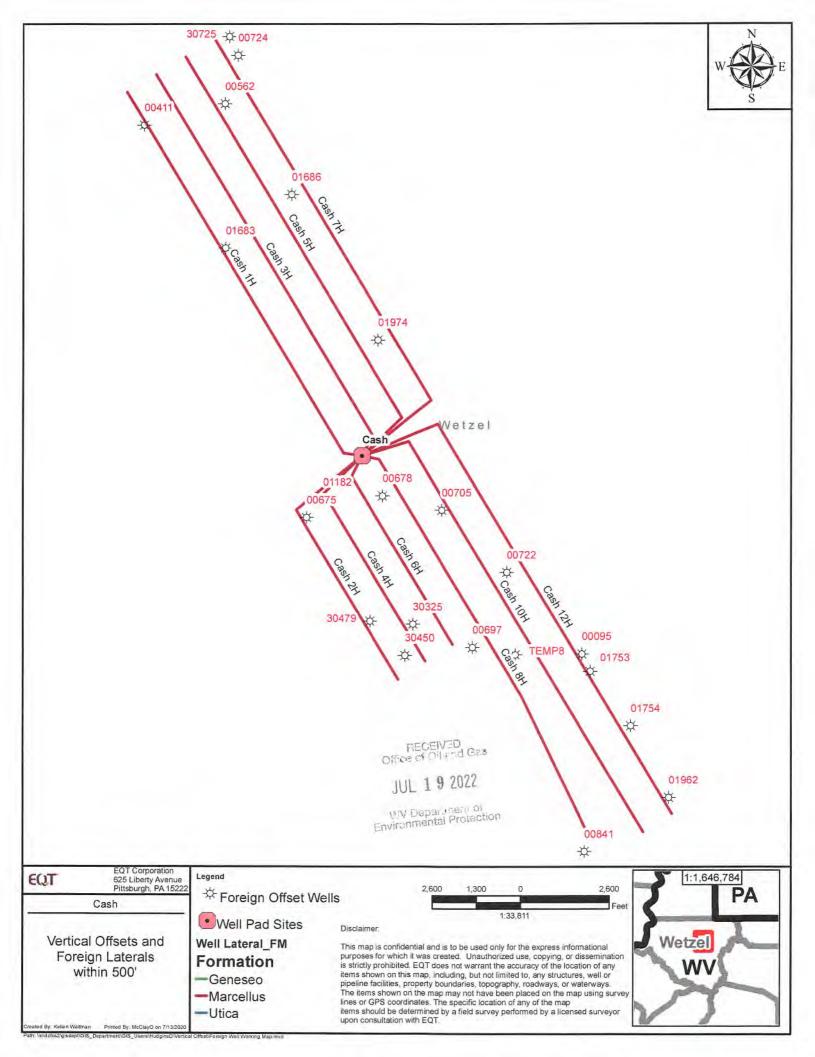
2. Reporting

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.

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WeliID	WellStatus	date	FmatTD	Permit	RemarksPRO	Operator	Longitude	Latitude	TargetFm	DatumEleva	TotalDepth-SS	Total Depth
4710300095	GAS	4/10/1919		00095	BNJGDN	EPC	-80.561	0	39.6142	1120.0000	•	2977.0000
4710300411	GAS	6/10/1955		00411		L & M OIL & GAS	-80.606	4	39.6568	1120.0000		3110.0000
4710300562	GAS	10/16/1964		00562		WILLIAM CASSADY	-80.598	0	39.6585	1133.0000	-1317.0000	2450.0000
4710300675	UNK	11/21/1904		00675	GDN	EPC	-80.589	6	39.6253	0.0000		3124.0000
4710300678	GAS	2/1/1906		00678	GDN	EPC	-80.581	7	39.6270	0.0000		2996.0000
4710300697	P&A			00697		CNG	-80.572	4	39.6148	1121.0000		2934.0000
4710300705	GAS	8/27/1917		00705	BNJGDSGDN	EPC	-80.575	6	39.6258	1310.0000		3153.0000
4710300722	GAS	9/28/1905		00722	MXBNJ	MANUFACTURERS L& H	-80.568	8	39.6208	1480.0000		2370.0000
4710300724	GAS	4/12/1924		00724		MANUFACTURERS L& H	-80.596	6	39.6624	1170.0000		2250.0000
4710300841	GAS-P	9/14/1903		00841	NCR	EPC	-80.560	8	39.5983	1020.0000		101019.0000
4710301182	P&A			01182	NCR	WEST VIRGINIA	-80.587	9	39.6267	1075.0000		101074.0000
4710301683	GAS	8/10/1995		01683	GNZ30FGDN	OHIO L & M	-80.598	0	39.6469	1158.0000		3307.0000
4710301686	GAS	8/10/1995		01686	GDN	OHIO L & M	-80.591	1	39.6512	1093.0000		3110.0000
4710301753	GAS	11/14/1997		01753	BNJ	DAC	-80.560		39.6128	988.0000		2350.0000
4710301754	GAS	11/6/1997		01754	BNJBYD	DAC	-80.556		39.6084	1022.0000		3388.0000
4710301962	GAS	10/14/2003		01962	KNRGDNBYD	EXCEL ENERGY	-80.552		39.6026	1325.0000		3633.0000
4710301974	GAS	9/16/2003		01974	BNJ/GDN	DAC	-80.582		39.6395	1441.0000		3653.0000
4710330325	GAS	5/17/1905	LOWER HURON SHALE	30325	LFPSL2BNJ	MANUFACT LIGHT	-80.578		39.6167	1283.0000		3018.0000
4710330450	GAS	3/22/1905		30450	SLBNJGDN4SD	CARNEGIE NAT GAS	-80,579		39.6142	1190.0000		1564.0000
4710330479	GAS	2/21/1906		30479	BNJGDN	MANUFACT LIGHT	-80.583		39.6169	1358.0000		2365.0000
4710330725	GAS	11/30/1925	LOWER HURON SHALE	30725		CARNEGIE NAT GAS	-80.597		39.6639	1282.0000		3312.0000
47103TEMP8	UNK	• •		TEMP8			-80.567		39.6142	0.0000		99999.0000
										0.0000	22333.0000	22223.0000

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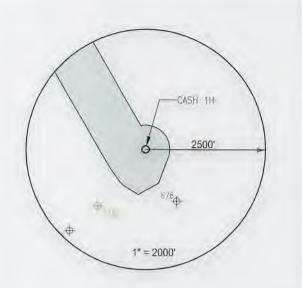
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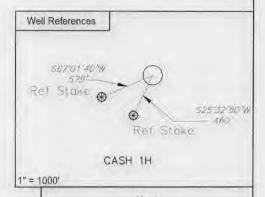
Cash 1H Cash

EQT Production Company

Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	15	58.0	Wetzel	Center	John R. & Phyllis R. Bohrer	52.95
2	19	8.0	Wetzel	Center	CharlesO, & Sherlene J. Phillips	89.94
3	19	7.0	Wetzel	Center	Brandi L. Briggs & Sharon Sue Long	67.11
4	.15	45.0	Wetzel	Center	No Info	17.94
5	15	44.0	Wetzel	Center	John R. & Phyllis R. Bohrer	43.80
6	15	30.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	25.75
7	15	17.0	Wetzel	Center	Jonathan W White	41.50
8	15	28.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	29.00
9	15	14.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	1.00
10	15	13.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	0.44
11	15	15.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	10.12
12	15	11.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	9.80
13	15	9.0	Wetzel	Center	Kenneth R. McCall	8.02
14	15	8.0	Wetzel	Center	David W. & Rachel M. Morris	25.00
15	14	10.0	Wetzel	Center	Johnny Kenneth & Debrah K. Greathouse	122.00
16	11	29.0	Wetzel	Center	Edward M., II & Judith Q. Kauffman, Jeffrey M. Kauffman and Jennifer M. Stake	42.50
17	11	28.0	Wetzel	Center	McLain Living Trust	36.90
18	10	57.0	Wetzel	Center	McLain Living Trust	38.00
19	10	44.0	Wetzel	Center	Danny C. Briggs and Diana L. Briggs	22.20
20	10	43.0	Wetzel	Center	Louise Maxine & Jack Morris	22.76
	Lease				Owner	Acre
	215535			Gre	en Dot Farm, Inc., et al.	121.18

49	70	45.0 Wetzer Center Louise Maxine & Jack Months	22.70
	Lease	Owner	Acres
	215535	Green Dof Farm, Inc., et al.	121.18 ac
	120250	Jeanne Anne Lambert, et al	150 ac
	110102	Acropolis, Inc., et al.	43.8 ac
	136368	Owen E. Schmucker and Saloma D. Schmucker, et al.	77 41875 ac
	120326004	Owen E. Schmucker and Saloma D. Schmucker, et al.	52 45 ac
	174986	Ronald Richard Morris, Sr., et al	10.122 ac
	103122	William B. Franck and Pamela S. Franck, Trustaes of the Milliam B. and Pamela. S. Franck Joint Revocable Living Trust dated 2/12/2018, et al.	8.9 ac
	120326015	Mary Colleen Olson, et al.	125,1625 ac
	216185	Drilling Appalachian Corporation, et al	122 ac
	218160	Green Dot Farm, Inc.	45 14 ac
	131242	Green Dol Farm, Inc., et al.	36.9 ac
	168019	Green Dot Farm, Inc., et al	38 ac
	119576	Green Dot Farm, Inc., et al	47.5 ac





Notes: CASH 1H coordinates are NAD 27 N: 413,402,914 E: 1,694,689,297 NAD 27 Lat: 39.629973 Long: -80,583995 NAD 83 UTM N: 4,386,781.032 E: 535,717.278

CASH 1H Landing Point coordinates are NAD 27 N: 413,572,682 E: 1,694,196,636 NAD 27 Lat: 39,630423 Long: -80,585752 NAD 83 UTM N: 4,386,830,244 E: 535,566,319

CASH1H Bottom Hole coordinates are NAD 27 N: 423,111,560 E: 1,688,656,583 NAD 27 Lat: 39,656424 Long: -80,605836 NAD 83 UTM N: 4,389,708,140 E: 533,830,045

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 meridian.

UTM coordinates are NAD83, Zone 17, Meters.



CASH 12H O CASH 7H CASH 8H O CASH 5H CASH 6H O CASH 5H CASH 6H O CASH 3H CASH 4H O CASH 1H 47-103-03398

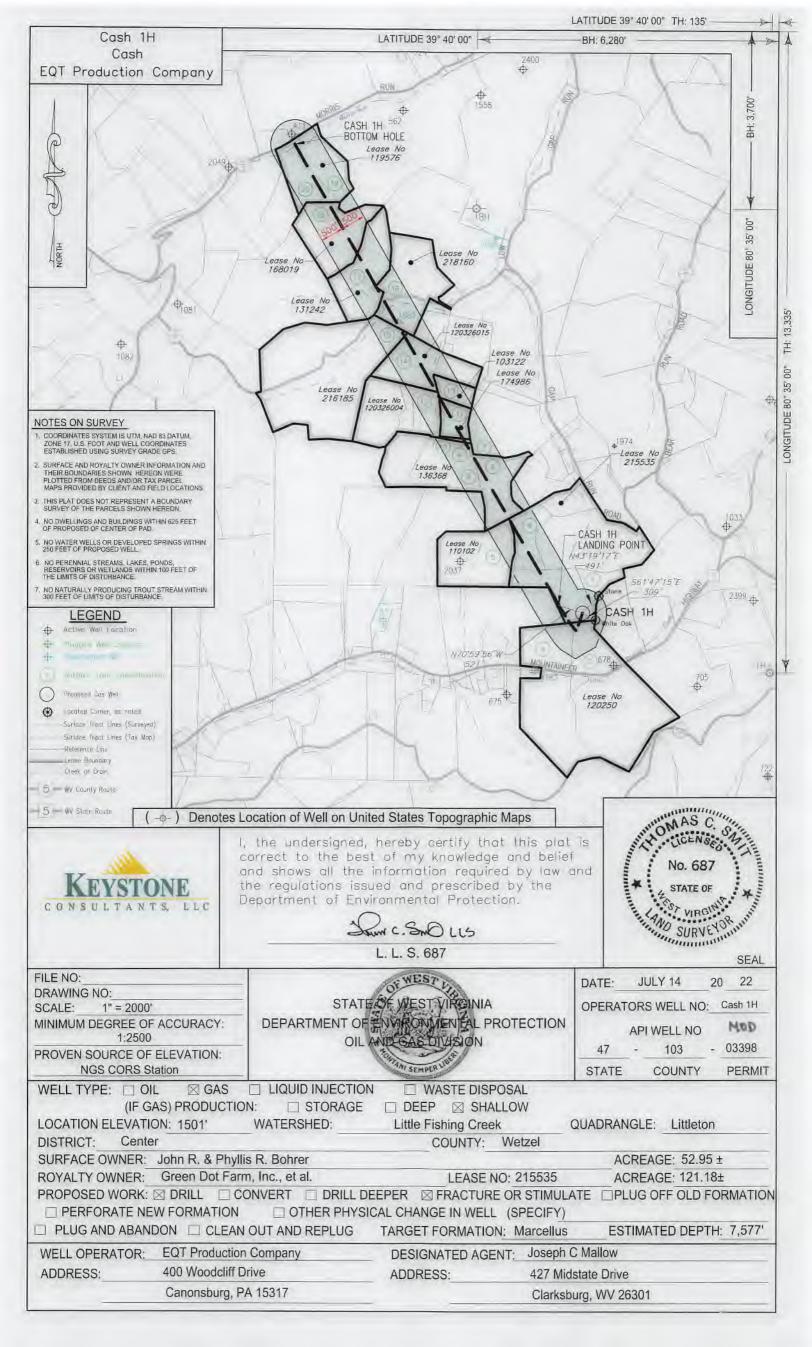
CASH PAD

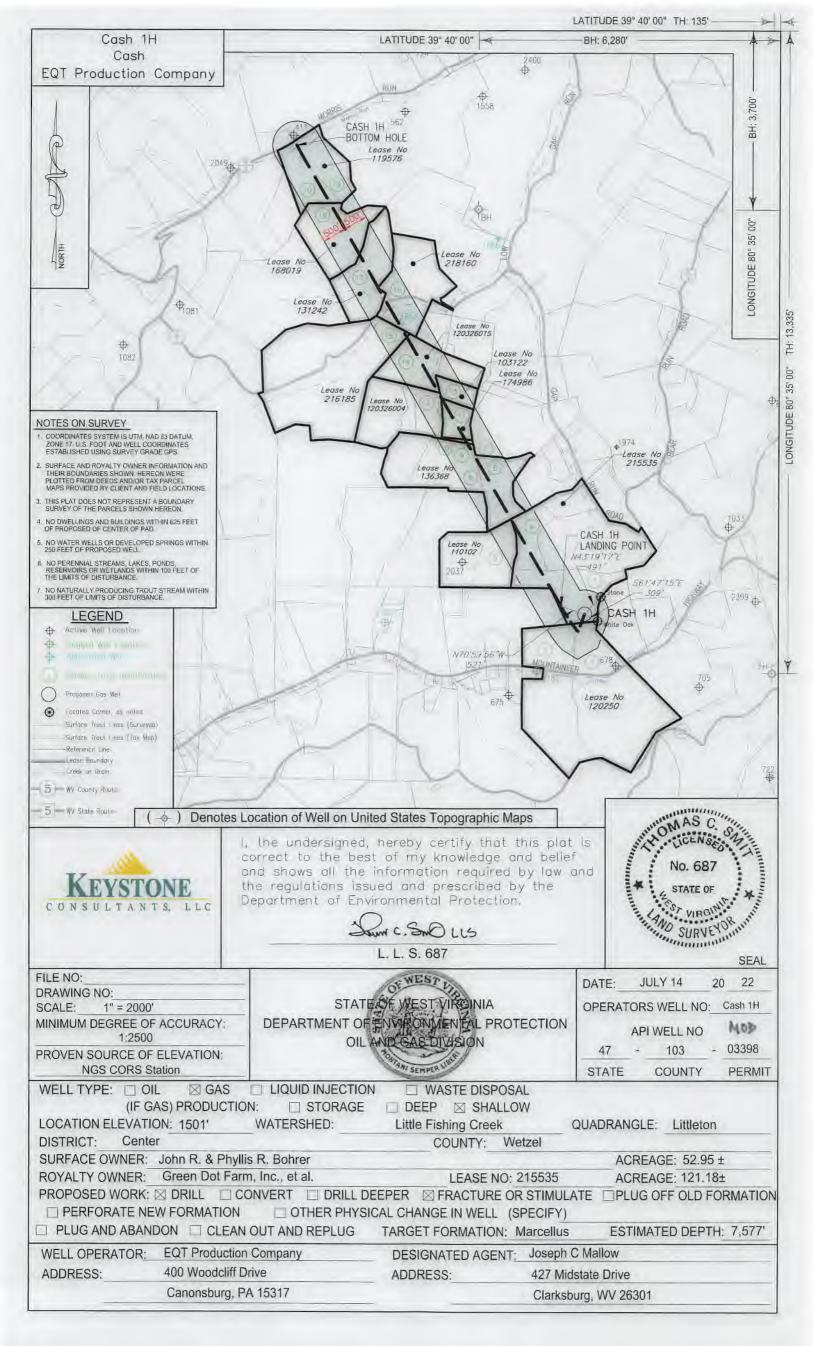
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

1 1 5 687



		2. 2. 0. 001					SEAL
FILE NO: DRAWING NO: SCALE: 1" = 1000'	114	OF WEST VINGINIA	O	DATE:	JULY 14 S WELL NO:	20	22 Cash 1H
MINIMUM DEGREE OF ACCURACY: 1:2500 PROVEN SOURCE OF ELEVATION: NGS CORS Station WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW LOCATION ELEVATION: 1501' WATERSHED: Little Fishing Creek QUADRANGLE: DISTRICT: Center COUNTY: Wetzel			API WELL NO 47 - 103		03398		
		S 11 47 5	COUNT		PERMIT		
(IF GAS) PRODUCTION LOCATION ELEVATION: 1501'	N: STORAGE	☐ DEEP ☒ SHALLOW Little Fishing Creek	QUADRANG	GLE:	Littl	eton	
SURFACE OWNER: John R. & Ph	nyllis R. Bohrer			AC	REAGE:	52.95	±
ROYALTY OWNER: Green Dot Fa	arm, Inc., et al.	LEASE NO:	215535	AC	REAGE:	121.18	3±
PROPOSED WORK: ⊠ DRILL □ (□ PERFORATE NEW FORMATION		EEPER ⊠ FRACTURE OR CAL CHANGE IN WELL (SPI		□PL	UG OFF O	LD FOI	RMATION
☐ PLUG AND ABANDON ☐ CLEAR	N OUT AND REPLUG	TARGET FORMATION:	Marcellus	EST	IMATED D	EPTH:	7,577'
WELL OPERATOR: EQT Production	n Company	DESIGNATED AGENT:	Joseph C N	Mallow			
ADDRESS: 400 Woodcliff	Drive	ADDRESS:	427 Midsta	ate Drive			
Canonsburg,	PA 15317		Clarksburg	g, WV 26	3301		



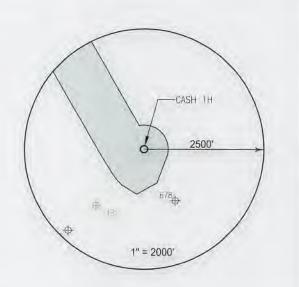


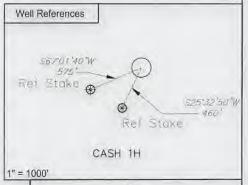
Cash 1H Cash

EQ I I TOUGETTON CONTINUITY	EQT	Production	Company	1
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Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	15	58.0	Wetzel	Center	John R. & Phyllis R. Bohrer	52.95
2	19	8.0	Wetzel	Center	CharlesO. & Sherlene J. Phillips	89.94
3	19	7.0	Wetzel	Center	Brandi L. Briggs & Sharon Sue Long	67.11
4	15	45.0	Wetzel	Center	No Info	17.94
5	15	44.0	Wetzel	Center	John R. & Phyllis R. Bohrer	43.80
6	15	30.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	25.75
7	15	17.0	Wetzel	Center	Jonathan W White	41.50
8	15	28.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	29.00
9	15	14.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	1.00
10	15	13.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	0.44
11	15	15.0	Wetzel	Center	Owen E, & Saloma D. Schmucker	10.12
12	15	11.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	9.80
13	15	9.0	Wetzel	Center	Kenneth R. McCall	8.02
14	15	8.0	Wetzel	Center	David W. & Rachel M. Morris	25.00
15	14	10.0	Wetzel	Center	Johnny Kenneth & Debrah K. Greathouse	
16	11	29.0	Wetzel	Center	Edward M., II & Judith Q. Kauffman,	
17	11	28.0	Wetzel	Center	McLain Living Trust	36.90
18	10	57.0	Wetzel	Center	McLain Living Trust	38.00
19	10	44.0	Wetzel	Center	ter Danny C. Briggs and Diana L. Briggs	
20	10	43.0	Wetzel	Center	Louise Maxine & Jack Morris	22.76
	Lease				Owner	Ac

20 10	43.0 Wetzel Center Louise Maxine & Jack Montis	24.70
Lease	Owner	Acres
215535	Green Dot Farm Inc., et al	121 18 ac
120250	Jeanne Anne Lambert, et al.	150 ac
110102	Acropolis, Inc., et al.	43 8 ac
136368	Owen E. Schmucker and Saloma D. Schmucker, et al.	77.41875.ac
120326004	Owen E. Schmucker and Saloma D. Schmucker, et al.	52.45 ac
174986	Ronald Richard Morris, Sr., et al.	10 122 ac
103122	William B. Franck and Pamela S. Franck, Trustees of the William B. and Pamela S. Franck Joint Revocable Living Trust dated 2/12/2018, et al.	8.9 ac
120326015	Mary Coteen Olson, et al	125,1625 ac
216186	Drilling Appalachian Corporation, et al.	122 ac
218160	Green Dot Farm Inc.	45.14 ac
131242	Green Dot Farm, Inc., et al	36.9 ac
168019	Green Dot Farm, Inc., et al	38 ac
119676	Green Dot Farm, Inc., et al	475ac





Notes:

NAD 27 N: 413,402,914 E: 1,694,689,297
NAD 27 Lat: 39,629973 Long: -80,583995
NAD 83 UTM N: 4,386,781,032 E: 535,717,278

CASH 1H Landing Point coordinates are

NAD 27 N: 413,572,682 E 1,694,196,636 NAD 27 Lat: 39,630423 Long: -80,585752 NAD 83 UTM N: 4,386,830,244 E: 535,566,319

CASH1H Bottom Hole coordinates are

NAD 27 N: 423,111.560 E: 1,688,656,583 NAD 27 Lat: 39,656424 Long: -80,605836 NAD 83 UTM N: 4,389,708.140 E: 533,830.045

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

UTM coordinates are NAD83, Zone 17, Meters



CONSULTANTS, LLC

CASH 12HI O CASH 7H
CASH 8H O OCASH 5H
CASH 6H O OCASH 3CASH 4HO OCASH 11 17 103-03398

CASH PAD

ASH 2HO

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



FILE NO: OF WEST L JULY 14 22 DATE: 20 DRAWING NO: STATE OF WEST VIRGINIA SCALE: 1" = 1000' OPERATORS WELL NO: Cash 1H DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION MINIMUM DEGREE OF ACCURACY: MOD API WELL NO 1:2500 103 03398 PROVEN SOURCE OF ELEVATION: TAMI SEMPER UNIT NGS CORS Station STATE COUNTY PERMIT □ OIL ⊠ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL WELL TYPE: (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☐ SHALLOW Littleton LOCATION ELEVATION: 1501' WATERSHED: Little Fishing Creek QUADRANGLE: DISTRICT: Center COUNTY: Wetzel ACREAGE: SURFACE OWNER: John R. & Phyllis R. Bohrer 52.95 ± ACREAGE: ROYALTY OWNER: Green Dot Farm, Inc., et al. LEASE NO: 215535 121.18± PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PERFORATE NEW FORMATION Marcellus ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ESTIMATED DEPTH: 7,577' TARGET FORMATION: Joseph C Mallow WELL OPERATOR: **EQT Production Company** DESIGNATED AGENT: 400 Woodcliff Drive 427 Midstate Drive ADDRESS: ADDRESS: Canonsburg, PA 15317 Clarksburg, 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 –

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

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Attachment

Office of Oil and Gas

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

Lease No.	Grantor, Lessor, etc.	· = ·		Acres	Grantee, Lessee, etc.	Royalty	
	Green Dot Farm, Inc., et al.					"at least 1/8th per WV Code 22-6-8"	
<u>215535</u>	Green Dot Farm, Inc.			121.18 ac	EQT Production Company		OG 274A/387
	Jeanne Anne Lambert, et al.					"at least 1/8th per WV Code 22-6-8"	
<u>120250</u>	Daniel Lambert and M. J. Lambert, his wife			150 ac	South Penn Oil Company		DB 53/380
	South Penn Oil Company				Tri-State Gas Company		DB 59/425
	Tri-State Gas Company				South Penn Oil Company		DB 73/310
	South Penn Oil Company Hope Natural Gas Company				Hope Natural Gas Company		DB 96/296
	Consolidated Gas Supply Corporation				Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation		DB 233/387 DB 311/184
	Consolidated Gas Transmission Corporation				CNG Transmission Corporation		Corp. Book 13/151
	CNG Transmission Corporation				Eastern States Oil & Gas, Inc.		OG 76A/232
	Eastern States Oil & Gas, Inc.				Blazer Energy Corp.		Corp. Book 12/253
	Blazer Energy Corp.	_			Eastern States Oil & Gas, Inc.		Corp. Book 12/259
	Eastern States Oil & Gas, Inc.	Env 1	0		Eastern States, Inc.		wv sos
	Eastern States, Inc.		Ħ		Equitable Production-Eastern States, Inc.		WV SOS
	Equitable Production-Eastern States, Inc.		8 77 0 101		Equitable Production Company		WV SOS
	Equitable Production Company	19 eparti	$\frac{1}{2}$		EQT Production Company		Corp. Book 13/14
		JUL 19 2022 WV Department of Environmental Protection	RECEIVED Office of Oil and Gas				
	Acropolis, Inc., et al.	2022	<u> </u>			"at least 1/8th per WV Code 22-6-8"	
110102	Acropolis, Inc., et al.	ctic	ପ୍ରୀ ଫ	43.8 ac	Drilling Appalachian Corporation	** * OOUC 22-0-0	OG 82A/176
	Drilling Appalachian Corporation	ž		10.0 40	Grenadier Energy Partners, LLC		OG 124A/9 & 136A/538
	Grenadier Energy Partners, LLC				Statoil USA Onshore Properties Inc.		OG 138A/1
	Drilling Appalachian Corporation				Statoil USA Onshore Properties Inc.		OG 138A/54
	Statoil USA Onshore Properties Inc., et al				EQT Production Company		OG 175A/707
	Owen E. Schmucker and Saloma D. Schmucker	er, et al.				"at least 1/8th per WV Code 22-6-8"	
136368	Owen E. Schmucker and Saloma D. Schmucker,	husband and w	rife	77.41875 ac	Antero Resources Corporation		OG 201A/896
	Antero Resources Corporation				EQT Production Company		OG 231A/59
	·				, ,		
						"at least 1/8th per	
	Owen E. Schmucker and Saloma D. Schmuck					WV Code 22-6-8"	
<u>120326004</u>	Owen E. Schmucker and Saloma D. Schmucker,	husband and w	rife	52.45 ac	Antero Resources Corporation		OG 189A/408
	Antero Resources Corporation				EQT Production Company		OG 231A/59
						"at least 1/8th per	
	Ronald Richard Morris, Sr., et al.					WV Code 22-6-8"	
174986	Ronald Richard Morris, Sr., a widower			10.122 ac	Antero Resources Corporation		OG 213A/872
					•		

	Antero Resources Corporation		EQT Production Company		OG 269A/533
<u>103122</u>	William B. Francik and Pamela S. Francik, Trustees of the William B. and Pamela S. Francik Joint Revocable Living Trust dated 2/12/2018, et al. William B. Francik & Pamela S. Francik, husband and wife Statoil USA Onshore Properties Inc., et al	8.9 ac	Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 164A/268 OG 175A/707
<u>120326015</u>	Mary Colleen Olson, et al. Mary C. Olson, a widow Antero Resources Corporation	125.1625 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 208A/512 OG 269A/533
<u>216185</u>	<u>Drilling Appalachian Corporation, et al.</u> Drilling Appalachian Corporation	122 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 276A/602
<u>218160</u>	Green Dot Farm, Inc. Green Dot Farm, Inc.	45.14 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 283A/526
<u>131242</u>	Green Dot Farm, Inc., et al. Green Dot Farm, Inc.	36.9 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 284A/275
<u>168019</u>	Green Dot Farm, Inc., et al. Green Dot Farm, Inc.	38 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 283A/501
<u>119576</u>	Green Dot Farm, Inc., et al. Green Dot Farm, Inc.	47.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 283A/571

WV Department of Environmental Protection

Office of Oil and Gas



July 15, 2022

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

Re: Cash 1H 6A1 Addendum

Dear Mr. Brewer,

This letter and supporting documentation serve as EQT Production Company's addendum to the WW-6A1 form associated with this well. The lease included on this addendum is a lease in which EQT "claims the right to extract, produce or market the oil or gas", but does not propose to encounter the lease with the proposed wellbore. EQT would like to report this lease as part of our Well Work Permit Application, as it is located within 50' of our proposed permitted wellbore.

If EQT does encounter this lease, an application for a permit modification will be filed with the West Virginia DEP, Office of Oil and Gas.

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

Sincerely,

John Zavatchan

Project Specialist - Permitting

Enc.

Office of Oil and Gas

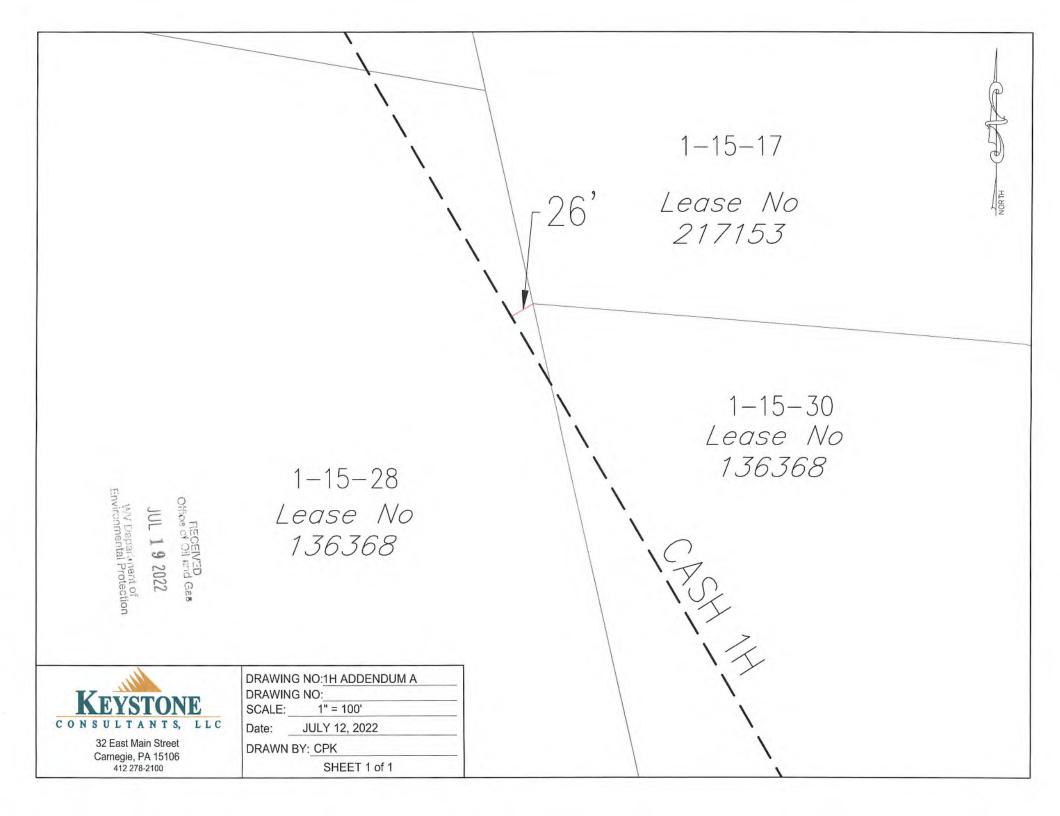
JUL 1 9 2022

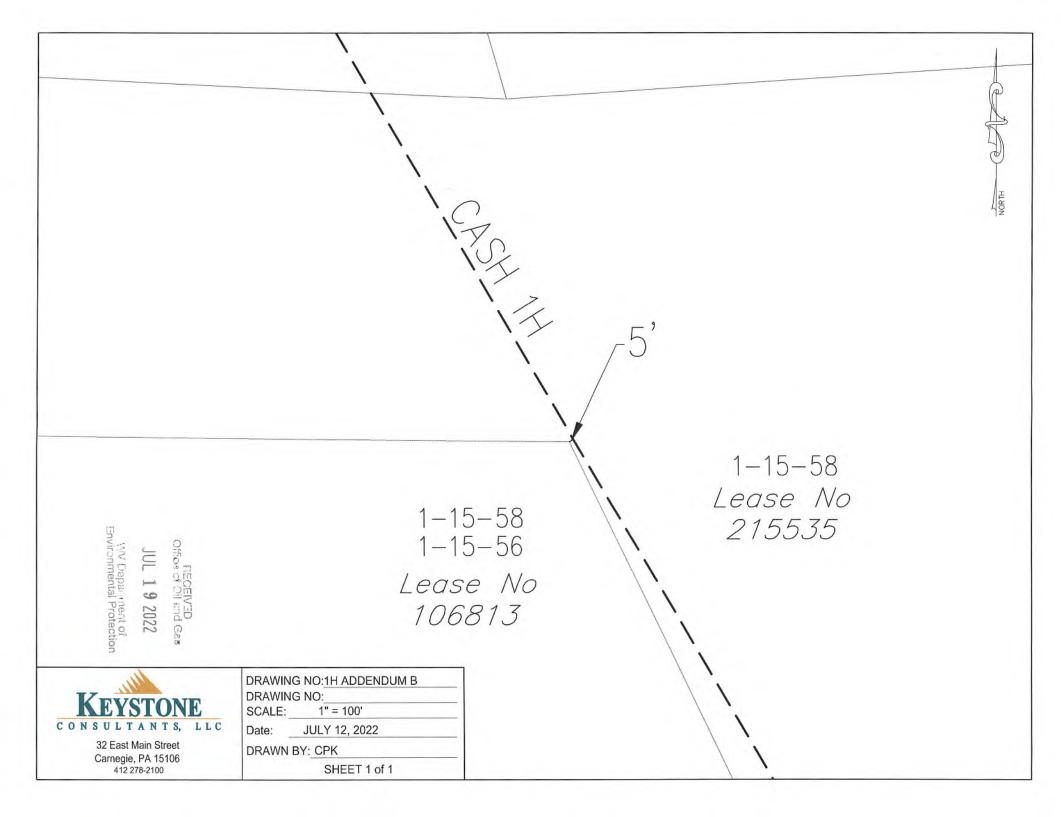
Cash 1H

ease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	looks lasks on the hollst-16 Jacks on the l			"at least 1/8th per	
	<u>Judy Jackson aka Judith K. Jackson, et al.</u> Judy Jackson, aka, Judith K. Jackson, a married			WV Code 22-6-8"	
<u>106813</u>	woman dealing in her sole and separate property	72.0875 ac	EQT Production Company		OG 270A/327
				"at least 1/8th per	
	Venable Royalty, LTD. and V14, LP			WV Code 22-6-8"	
<u>217153</u>	Venable Royalty, Ltd. and V14, LP	47.144 ac	EQT Production Company		OG 282A/859

NECEIVED
Office of Oil and Gas
JUL 19 2022

NV Deparament of Environmental Protection









July 18, 2022

Via FedEx Overnight

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

RE:

Well Work Permit Modification

Cash 1H Well

Permit Number 47-103- 03398 Center District, Wetzel County, WV

WVDEP Recipient,

Attached please find following information to modify the existing Well Work Permit for this well:

- Check in the amount of \$2,500 for the permit fee
- · Completed Form WW-6B and supporting documents, approved by the Oil and Gas Inspector
- Revised Well Bore Diagram
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Hydraulic Fracturing Monitoring Plan
- DVD with the revised Water Management Plan

EQT is proposing to extend the lateral from the previously permitted length.

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

jzavatchan@eqt.com

724-746-9073

Office of Oil and Gas

CK# 0000593068

JUL 19 2022

MV Department of Environmental Protection



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Modification Horizontal H6A Well Work Permits API: (47-103-03398)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Mon, Aug 1, 2022 at 11:33 AM

To: John <JZavatchan@eqt.com>, Todd <fklaner@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Erin Spine <espine@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, "Greynolds, Kenneth L" <kenneth.l.greynolds@wv.gov>, Scott Lemley <slemley@wvassessor.com>

I have attached a copy of the newly issued well permit numbers:

47-103-03398 - CASH 1H

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

