

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

Thursday January 27, 2022 PERMIT MODIFICATION APPROVAL New Drill / Modification/Lateral Extension

EQT Production Company 400 Woodcliff Drive Cannonsburg, PA 15317

Re: Permit Modification Approval for BIG464 5H 47-103-03433

Extending Lateral

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.

Martin ames A Chief

Operator's Well Number: BIG464 5H Farm Name: EQT Production Company U.S. WELL NUMBER: 47-103-03433 New Drill Modification/Lateral Extension Date Modification Issued: 01/27/2022

Promoting a healthy environment.

API NO. 47- 103 - 03433

OPERATOR WELL NO. 5H // Well Pad Name: BIG464

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

1) Well Operator: EQT Production	Company	306686	Wetzel	Grant	Big Run
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: 5H		Well P	ad Name: Bl	G464	
3) Farm Name/Surface Owner: EQT P	roduction Co	ompany Public Ro	ad Access:	CR1	
4) Elevation, current ground: 1246.	8' (built) E	levation, propose	d post-constru	uction: 1246.	.8' (built)
5) Well Type (a) Gas X Other	Oil	Un	derground Sto	orage	
(b)If Gas Shallow Horizonta	$\frac{X}{X}$	Deep			-
6) Existing Pad: Yes or No Yes			1. do 1.		
7) Proposed Target Formation(s), Dep Marcellus, 7,394', 51', 2,620 PSI	th(s), Antic	cipated Thickness	and Expecte	d Pressure(s):	
8) Proposed Total Vertical Depth: 73	94' 🖊				
9) Formation at Total Vertical Depth:	Marcellu	s/			
10) Proposed Total Measured Depth:	23446'	1			
11) Proposed Horizontal Leg Length:	15465'	1			
12) Approximate Fresh Water Strata I	Depths:	109', 184', 432	2' /		
13) Method to Determine Fresh Water	Depths:	Offset Wells - 47	-103-30593,	47-103-30910	0
14) Approximate Saltwater Depths:	1724', 1848	3'			
15) Approximate Coal Seam Depths:	556'-559',	795'-797', 897'-	899', 912'-91	19'	
16) Approximate Depth to Possible Ve	oid (coal m	ine, karst, other):	N/A		
17) Does Proposed well location conta directly overlying or adjacent to an act		ms Yes		No X	
(a) If Yes, provide Mine Info: Nam	ne:				
Dep	th:				
Sear	n:				
Owr	ier:				

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API NO. 47- 103 __ 03433

OPERATOR WELL NO. 5H Well Pad Name: BIG464

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	<u>New</u> or Used	Grade	<u>Weight per ft.</u> (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	26	New	A-500	85.6	40	40 🧹	50 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1019	1019 /	1000 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2441	2441 /	1000 ft^3 / CTS
Production	5 1/2	New	P-110	20	23446	23446	500' above intermediate casing
Tubing		1					1
Liners							

Bryan Harris 12/28/21

ТҮРЕ	Size (in)	<u>Wellbore</u> Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	26	30	0.312	1050	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	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.10
Tubing							
Liners					11.		

PACKERS

Kind:			
Sizes:			
Depths Set:		 	

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.

22) Area to be disturbed for well pad only, less access road (acres): N/A - Site Built

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

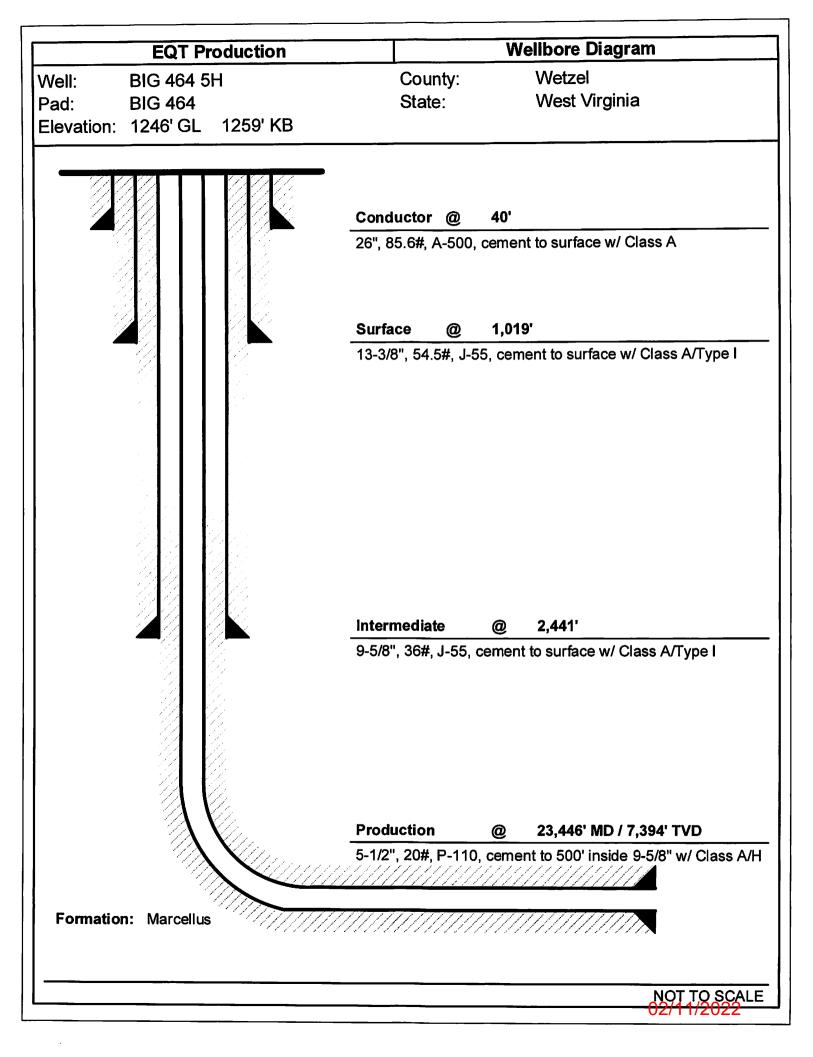
25) Proposed borehole conditioning procedures:

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.



Finalized for Top Hole			WEST VIRGINIA GI	EOLOGICAL PE Horizontal Well BIG464				
<u>Drilling Objectives:</u> <u>County:</u> Quad:	Marcellus Wetzel Big Run			S-000124				
Elevation:		259 KB		124	6 GL			
Recommended Azimuth	TBD	BD Degrees				Recommended LP to	TD: TBD	
Recommended Azimuta		DD Degrees						
Proposed Logging Suite:		Pilot Log	ging Not needed					
ESTIMATED FORMATIO	N TOPS	From pilo	ts on BIG57 and BIG182					
Formation	Top (TV	(D) Bas	(TVD) Lithology			Comments	Top RR Base	
Fresh Water Zone		1	432		EW @ 10	9,184,252,278,432,	69	73
Waynesburg Coal		556	559 Coal				76	80
Coal		795	797 Coal	Nok	nown past/present/a	nd or future mining within the area	96 125	114 132 Base of Red
Sewickley Coal		897	899 Coal				1 125	132 Base of Red
Pittsburgh Coal		912	919 Coal			11771 1010	1	
Maxton		792 234	1971 Sandstone		SW	1724,1848		
Big Lime			2310 Limestone					
Big Injun		322	2391 Sandstone					
Int. esg pt Weir		520	2620 5-1-1					
Top Devonian		735	2670 Sandstone					
Gantz		735	2771 Silty Sand					
Fifty foot		876	2932 Silty Sand		5	is NOT of concern		
Thirty foot		971	2998 Silty Sand		Storage	is NOT of concern		
Gordon		027	3072 Silty Sand					
Forth Sand		097	3110 Silty Sand		Bara of Official Wal	Perforations at 3129' TVD		
Fifth Sand		169	3188 Silty Sand		base of Offset we	renorations at 5125 TVD		
Bayard		222	3240 Silty Sand					
Warren		645	3669 Silty Sand					
Speechley		765	3813 Silty Sand					
Balltown A		123	4138 Silty Sand					
Riley		508	4650 Silty Sand					
Benson		237	5286 Silty Sand					
Alexander		551	5718 Silty Sand					
Elks		718	6917 Gray Shales and Silts					
Sonvea	65	917	7080 Gray shale					
Middlesex		080	7136 Shale					
Genesee	71	136	7223 Gray shale interbedded					
Geneseo		223	7255 Black Shale					
Tully	72	255	7280 Limestone					
Hamilton		280	7378 Gray shale with some					
Marcellus		178	7429 Black Shale				5. M ()	
Purcell		193	7396 Limestone					
-Lateral Zone		7394						
Cherry Valley		109	7413 Limestone					
Onondaga	74	129	Limestone					
Target Thickness		51 feet						
Comments; Intermediale casing point is re regulations.	commended beneath th	ne Big Injun to	shut off any water production from	n the Upper Devo	nian sands Interm	ediate casing should be cemented into t	he surface string, per V	vv
	BODIE							
RECOMMENDED CASING							destanting to	10 and 10
Fresh Water/Coal	CSG OD	13 3/8		CSG DEPTH		1019	Beneath Pittsbu	
Intermediate 1: Production:	CSG OD CSG OD	9 5/8 5 1/2		CSG DEPTH		2441	Beneath theBig	Injun formation
				CSG DEPTH	@ TD			

EQT Production

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Hydraulic Fracturing Monitoring Plan

Pad ID: BIG464

County: Wetzel

January 21, 2022

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02/11/2022

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 BIG464 well pad: 1H, 3H, 5H, 7H, 9H, 11H & 113H.

Due to the requirements under 3SCSR8 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.

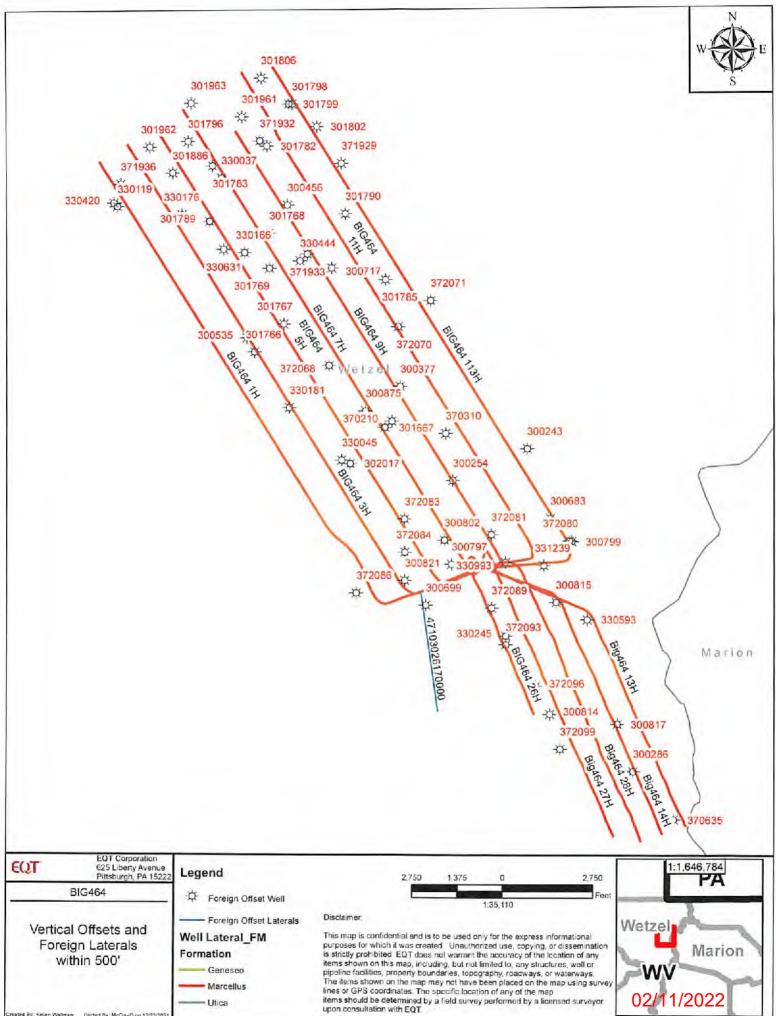
EQT will recommend to these operators at a minimum to:

- 1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre frac well conditions
- 2. 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
- 4. 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.

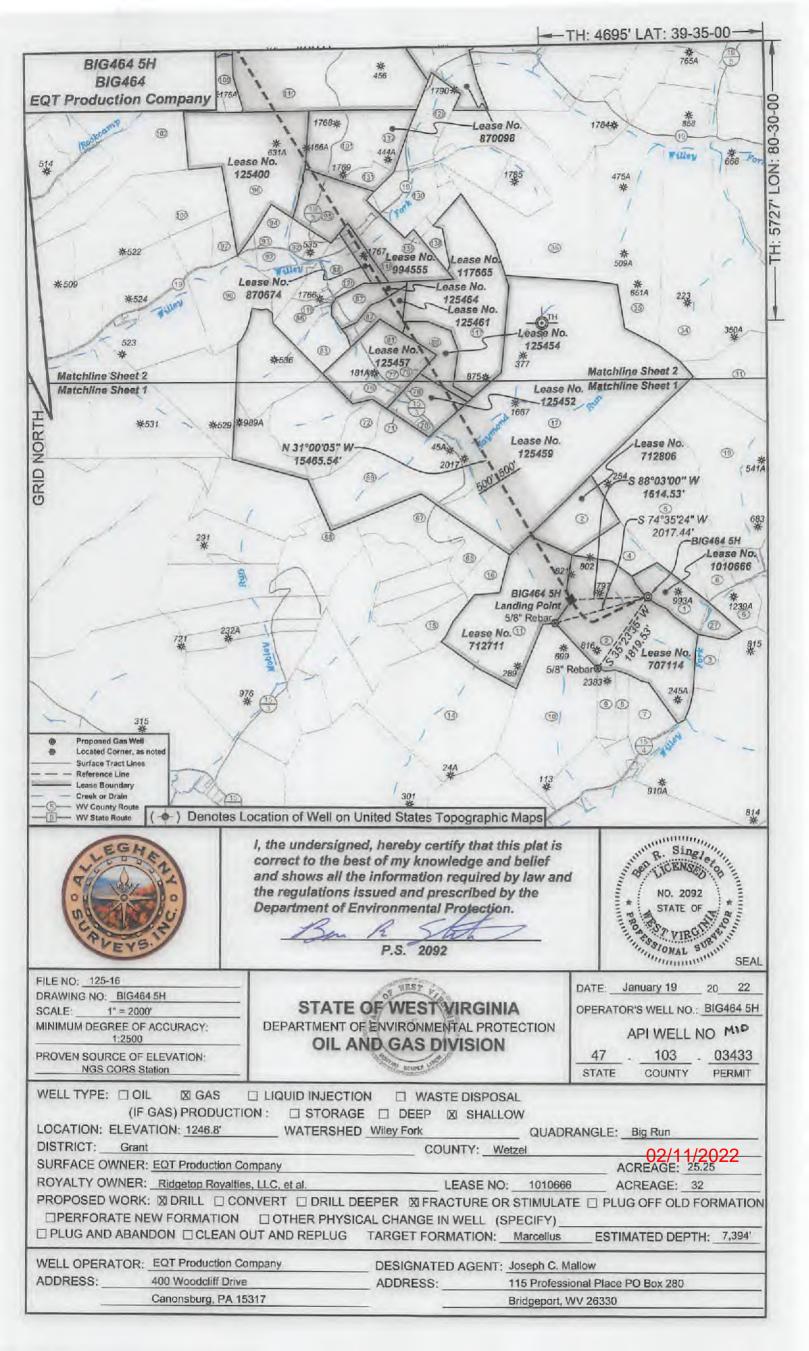
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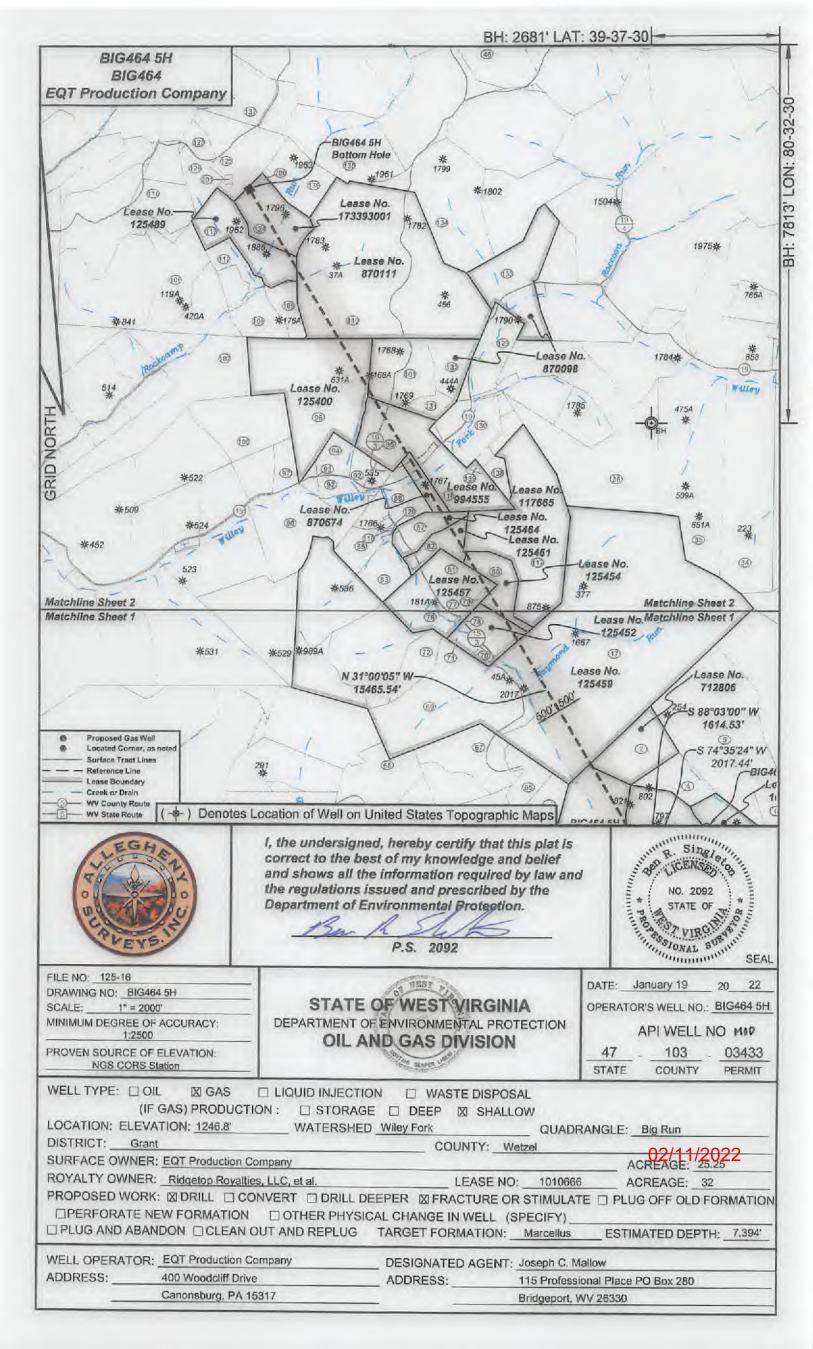
02/11/2022



Created By: Kellen Waltman Parted By: McClayO on 12/22/202

	ACT STATUS	CURR_OPER	FNL_ELASS	INIT_C(ASS	LATITUDE LONGITUDE OPER NAME		ELEVATION T		
	Completed Welk	CARNEGIE NATURAL GAS CORP	UNCLASSIFIED	UNCLASSIFIED PSEUDO-ORIGINALWEU - UNKNOWN CLASS	39 56969000 -87 50780501 CARNEGIE NATURAL GAS CORP	VA027	0.00	0.00	0.00
	Completed Wells	EQT PRODUCTION CO	PSEUDO-ORIGINAL WELL- UNKNOWN CLASS UNCLASSIFIED	UNCLASSIFIED	39 5544510080 50224800 CARNEGE NATURAL GAS CORP 39 5596010080 55553000 HOPE NATURAL GAS	NAD27 NAD27	0.00	0.00	0.00
	Completed Wells	HOPE NATURAL GAS		PSEUDO-ORIGINAL WELL - UNKNOWN CLASS				0.00	0.00
	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNENDWIN CLASS PSEUDO-ORIGINAL WELL - UNENDWIN CLASS	39 56649200 -80 52510300 CARNEGRENATURAL GAS CORP 39 58057000 -80 52922500 PHILADELPHIA OIL	NAD27	0.00	0.00	0.00
	Completed Welk	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39 58057000 -80 52922500 PHILADELPHIA OL 39 52919010 -80 52712940	NAD27	0.00	0.00	0.00
	Completed Welh/WHC5	ANJA RESOURCES	PSEUDO-ORIGINAL WELL- UNKNOWN CLASS	UNCLASS FIED		NAD27	1056 00	0.00	0.00
	Completed Wells	UNKNOWN	UNCLASSIFIED	LNCLASS FIED	39 58973100 80 52210500 UNKNOWN 39 55548100 80 53034300 HOPE NATURAL 335	NAD27 NAD27	0.00	5.00	0.00
	Completed wells	HOPE NATURAL GAS		UNDASSFIED	39 60308400 -80 54046500 HOPE NATURAL 5AS			5,00	
	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39 SZALA900 - 80 SZALASOC HOPE NATURAL GAS 39 SZALA900 - 80 SZ050Z00 HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
	Completed Welh	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.54646800 -80.49617600 UNKNOWN	NAD27	0.00	0.00	0,00
	Completed Welh	UNKNOWN		PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.59308100 -80.53622100 HOPE NATURAL GAS	NAD27			8.00
	Completed Welh	HOPE NATURAL GAS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS		19:55/308100 -80:538/2100 HOPE NATORAL 545		0.00	0.00	
	Completed Welh	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	19:56436400 -80:51115300 DNKNOWN 19:56417500 -80:51573500 UNKNOWN	NAD27	0.00	0.00	0.00
	Completed Wells	UNKNOWN	UNCLASSING	UNCLASSIFIED DEVELOPMENT WELL	19:50417980 -80:51523680 UNKNOWN 39:57738300 -80:51580200 HOPE NATURAL 555	NAD27 NAD27	0.00	00.13	0.00
	Completed Wells	HOPE NATURAL 645	And the second se		and a second second second second second second second		1272.00	1218.00	0.00
	Completed Wells	UNKNOWN	LINCLASSIFIED	UNCLASSIFIED	39 56112700 -80.51423800 UNKNOWN	NAD27	0.00	0.00	0.00
	Completed Walk	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN FLASS	PSEUDD-DRIGINAL WELL - UNKNOWN CLASS	39.56461000 -40.50880500 CARNEGIE NATURAL GAS CORP	NA027	0.00	00,5	0.00
	Completed Walts/WHCS	DAC CORP	DEVELOPMENT WELL DRY (INCLUDING TEMPORARILY ABANDONED WELL)	DEVELOPMENT WELL	39.60613980 -80.53690870 DAC CORF	NAD27	1525.00	2925.00	0.00
	Completed Wells	HOPE NATI IRAL GAS	PSELIDIO-ORIGINAL WELL - UNKNOWN ELASS	PSEUDD-DRIGINAL WELL - UNKNOWN CLASS	10.57970500 -80.52641500 HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
	Completed Wells/WHC5	ANIA RESOURCES	DEVELOPMENT WELL-DRY (INCLUCING TEMPOFABILY ABANDONED WELL)	DEVELOPMENT WELL	39.58260830 -80.52548590 EAGON ROBINSON OIL & GAS	NAD27	1035.00	3197.00	0.00
	Completed Wells	CONSOLIDATED GAS SUPPLY CORF	PSEUDO-ORISINAL WELL - UNKNOWN CLASS	PSEUDO-DRIGINAL WELL - UNKNOWN CLASS	39.57157700 -80.50936700 EQNSOLIDATED CAS SUPPLY CORP.	NAD27	0.00	3.00	0.00
	Completed Walls	EQT PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDD-DRIGINAL WELL - UNKNOWN CLASS	39.567E0300 -80.57034500 CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
	Completed Wells	HOPE NATURAL GAS	LINC, ASSIEIED	UNCLASSIFIED	39.56861900 -80.52510300 HOPE NATURAL GAS	NAD27	0.00	7.00	0.00
	Completed Wells	CONSOLIDATED GAS SUPPLY CORP.	LINC ASSIFIED	UNCLASSIFIED	39.56765600 -80.51011000 CONSOLIDATED GAS SUPPLY CORP.	NA027	0.00	00.0	000
	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	19.57027100 -80.51573600 HOPF NATURAL GAS	NAD27	0.00	0.00	0.00
9119	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - MINKNOWN ELASS	PSEUDD-DRIGINAL WELL - UNKNOWN CLASS	39.59771400 -80.55590400 CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
1929	Completed Wells	HOPE NATURAL GAS	LINCLASSIFIED	UNCLASSIFIED	19 GOL19700 -80.51156000 HOPE NATURAL BAS	NAD27	0.00	0.00	0.00
2083	Completed Wells	UNKNOWN	MINCLASSIFIED	UNCLASSIFIED	39.57157200 80.52510300 UNKNOWN	NAD27	0.00	0.00	0.00
1933	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.59365000 -80.5354020C HOPE NATURAL GAS	VAD27	0.0"	0.00	0.02
0814	Completed Wells	EQUITABLE FRODUCTION CO	PSELIDO-ORIGINAL WELL - UNKNOWN CLASS	TSEUDD-DRIGINAL WELL - UNKNOWN CLASS	39 55537200 -80.50955400 CARNEGIE NATURAL GAS CORP.	NAD27	0.00	00.0	0.00
2070	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.56755400 -80.57556500 HOPE NATURAL GAS	NAD22	0.00	0.00	0.00
	Completed Wells	UNKNOWN	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.55053200 -80.50056200 UNIONOWN	NAD27	1171.00	3065.00	0.00
	Completed Welh/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	DEEPER POOL WILDEAT	19.58552970 -80.54121230 DAC CORP	NA027	871.00	2302.00	0.00
	Completed Wells/WHCS	XTC ENERGY INC	DEVELOPMENT WELLIOU	DEVELOPMENT WELC	19 60517390 -80 54241940 EXCEL ENERGY INC	NAD27	1380.00	3595.00	0.00
	Completed Wells/WHCs	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	SEVELOPMENT WELL	19 59641480 -80 54597870 DAC CORP	NAD27	1470.00	3584.00	0.02
	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL GAS	DEVELOPMENT WEL	39 55409700 -80 54447900 HOPE NATURAL GAS	NAD27	1355.00	3294.00	0.00
	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	39 56446500 -85 52285500 CONSOLIDATED GAS SUPPLY CORP.	NAB27	0.00	3154.00	0.00
	Completed Wells/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	OFVELOPMENT WELL	39.60765680 -80.53971940 DAC CORP	NAD27	1424.00	3823.00	0.00
	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	CEVELOPMENT WELL	19.50951390 -80.50705510 CARNEGIE NATURAL GAS CORP	NAD27	1090.00	3085.00	0.00
	Completed Wells	FITTSBURGH & W VA GAS	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	15.59698800 -80.54597300 PITTSBURGH & W VA GAS	NAD27	1078.00	3135.00	0.00
	Completed Wells	DIVERSITED FRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	35 59722500 -80 53253500 UNKNOWN	NAD27	1295.00	2505 (0)	0.09
	Completed Wells/WHCS	DIVERSIFIED FRODUCTION LLC	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	19 60831580 -80 54026020 DAC CORP	NAD77	1209.00	3365.00	0.00
	Completed We k	DIVERSIFIED FRODUCTION LLC	DEVELOPMENT WELL-GAS	OFVELOPMENT WELL	35 55446500 -80 52285500 CONSCLIDATED GAS SUPPLY CORP.	NAD27	0.00	1747.00	0.00
11/6/-	Completed Wels/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	OFFPER FOOL WILDCAT	39 58785167 -80 53803360 DAC CORP	NAD27	969.00	3264.00	0.00
30593	Completed Weils	CARNEG E NATURAL GAS CORP	DEVELOPMENT WELL-GAS	OFVELOPMENT WELL	39 5F315500 -80 50543300 CAPNEGIE NATURAL GAS CORP	NAD27	1527.00	1887.00	0.00
1885	Completed Welh/WHC5	XTO ENERGY INC	DEVELOPMENT WELL-GAS	OFVELOPMENT WELL	19.60047902 8/154991380 FXCE, ENERGY INC	NAD27	13100	1110.00	0.00
10245	Completed Welh	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL GAS	OFVELOPMENT WELL	19.55185300 -80.51423800 CARNEGIE NATURAL GAS CORP.	NAD27	1040.00	2905.00	0.00
	Completed Welk	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	CEVELOPMENT WELL	19 55056500 -80 53746800 PITTSBURGH & W VA GAS	NAD27	305 00	2936 00	0.00
1810		XTO ENERGY INC	DEVELOPMENT WELL-GAS	CEVELOPMENT WELL	15.60678400 -80.54785720 EXCEL ENERGY INC	NAD27	1224.00	1350.00	0.00
1963	Completed Wells/WHC5	HCPE NATURAL GAS	DEVELOPMENT WELL GAS	COVELOPMENT WELL	15.52651200 -80.53184700 HCPF NATURAL GAS	NAD27	0.00	2146.00	0.00
0045	Completed Wells	FOT PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39,55983500 -80,52079400 CARNEG'E NATURAL GAS CORP	NAD27	0.00	2146.00	0.00
0905	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL GAS	CEVELOPMENT WELL - UNKNOWN CLASS	35.55033300 -80.57075400 CANNED F 43 TRAL 045 CORP 35.59698800 -80.53178500 DAC CORP	NADZ7	904.00	3176.00	0.00
1790	Completed Wells/WHCS		DEVELOPMENT WELL GAS	OFVELOPMENT WELL	19.59608800 -80.54466400 PITTSBURGH & W VA GAS	NADZ7	369.00	1966-00	0.00
0037	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELLIGAS	CEVELOPMENT WELL	19 BOX13000 -80 S4465400 PTT SRUHOH & W VA GAS 19 55794900 -80 51423800 CASNEGE NATURAL GAS CORP	NAD27		1966-00	
6650	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	35.56734900 -80.51073800 CARNEGE NATURAL GAS CORP 30.60309190 -80.54822700 EXCELENERGY INC	NAD27 NAD27	1131.00	3004.00	0.00
1796	Completed Welh/WHCS	XTO ENERGY INC			15.603021290 -80.50541300 UNKNOWN				0.00
10593	Completed Welh	UNKNOWN	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL		NAD27	1527.00	3438.00	0.00
11/33	Completed Wells/WHCS	DIVERSINED PRODUCTION LLC	DEVELOPMENT WELL GAS	DEVELOPMENT WEH	19.60613300 -F0.53728000 DAC CORP	NAD27	1525.00	3629.00	0.00
1768	Completed webs/WHCS	DIVERSIFIED PRODUCTION LC	DEVELOPMENT WELL-GAS	NEW POOL WILDCAT	19.59539970 -80 53953300 DAE CORP	NAD27	1285 '0	3679.00	0.00
NA 54	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57477000 -60.51985800 CABNEG F VATURAL GAS CORP	MAD 27	1464.00	3449.00	0.00
1785	Completed Wells/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL GAS	CEVELOPMENT WELL	19.59148150 -60.52698040 DAC CORP	NAD27	1186.00	8554.00	0.00
11800	Completed Welh/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60425920 -80.53428680 DAC CORP	NAD27	1401.00	3534.00	0.00
11769 🖌	Completed Wels/WHCS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL/GAS	NEW POOL WILDCAT	19.59249570 -80 53953180 DAC COAP	NAD27	1326.00	3692.00	0.00
NJ5 35	Completed Wells	EQUITABLE GAS CC	UNCLASS/F/ED	LINCLASSIFIED	39.58669500 -80.54203900 FOULTABLE GAS CO	NA027	1008-00	3057.00	0.00
72096	Completed Wells	UNKNOWN	UNITASSIFIED	UNCLASSIFIED	33.55764400 -80.51105300 UNKNOWN	NAD 77	0.00	0.00	0.00
30420	Complated Wells	UNKNOWN	CEVELOPMENT WELL-D 1	CEVELOPMENT WELL	39.59801600 -80.55530300 UNKNOWN	NAD27	1310.00	32 26 00	0.00
90717	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	CEVELOPMENT WELL	39.59248900 -80.53278400 CONSOLIDATED GAS SUPPLY CORP.	NAD27	880.00	1927.00	0.00
01952	Completed Welk/WHCS	XTD ENERGY INC	DEVELOPMENT WELL-GAS	OFVELOPMENT WELL	19.60265600 -80.55234980 FWCELENERGY INC	NAD 77	1325.00	3633.00	0.00
02017	Lompleted Wells/WHCS	DYNATEC ENERGY INC	DEVELOPMENT WEIL-GAS	OFVELOPMENT WELL	39.57672940 -80.53091330 DVNATEC ENERGY INC	NAD27	948.00	711 00	0.00
30156	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	33.59379500 -80.54222908 HOPE NATURAL GAS	NAD27	1012.00	7215 00	0.00
120753	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.55241900 -80.50843000 UNKNOWN	14027	0.00	0.00	0.00
01/63	Completed Wells/WHCS		DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	33.60105200 -80.54560100 DAC CORP	NA527	1376.00	3555.00	0.00
teral	ACT STATUS	CURR OPER	THL_CLASS	INT CAS	LATITUDE LONGTUDE OPER NAME	DATERA E	EVATION T	T OFFICE P	D WELLNAME V
WI	ACT_STATUS		DEVELOPMENT WEILIGAS	DEVELOPMENT WELL	19.5556-000 -80.52162000 FOT PRODUCTION CO	NAD27			117.00 WW 511413 ALLENY M V
	Completed Wells	EQT PRODUCTION CO	STATES AND	ACC & CALLED FREINE WEITER	A CONTRACT OF A	3805-177	30.1/00	MIG100 /	LEADER AND DELEASE ALLER T.M. Y





EQT			464		any		-	Wall References Notes: AZ75°20'56" BIG464 5H coordinates are AZ75°20'56" NAD 27 N. 390,468,48 E: 1,713,397.98 AZ75°20'56" NAD 27 Lai: 39,567812 Long: -80,516655 NAD 27 Lai: 39,5678' Rebar BIG464 5H Landing Point coordinates are BIG464 5H NAD 27 N: 390,413,55 E: 1,711,784,38 NAD 27 N: 390,413,55 E: 1,711,784,38 NAD 27 N: 390,413,55 E: 1,711,784,38
	Tax Map No.	-	-	District	Surface Tra	ct Dwner	Acres	© DICAGA ELI NAD 27 N: 390,413.55 E: 1,711,784.38
+	14	.94	Wetzel	Grant	EQT Product	on Company	25 26	BIG464 5H BIG464 5H ND 27 N: 390,413.55 E: 1,711,784.38 ND 27 N: 390,413.55 E: 1,711,784.38 ND 27 N: 395,67410 Long: 80.522376 NAD 27 N: 439,567410 Long: 80.522376 NAD 27 N: 439,567410 Long: 80.522376 NAD 27 N: 439,569.93 E: 1,703,818,74 NAD 27 N: 439,603515 Long: 80.551180 NAD 27 N: 4383,862.27 E: 538,548.10 NAD 83 UTM N: 4,383,862.27 E: 538,548.10
2	20 15	27	Wetzel	Ditant Diract	Goestal Forest Re Bowerly Lynn B		520.00	BIG464 5H Bottom Hole coordinates are NAD 27 N: 403,669,93 E: 1,703,818.74
4	14	27	Wetzel Wetzel	Grant	SQT Products SQT Products		22.00	NAD 27 Lat: 35 603551 Long: -80.551180 NAD 83 UTM N: 4,383,862.27 E: 538,548.10
6	15	18	Wetzel	Girant	Donald J	D'Lunky	25.00	West Virginia Goordinate system of 1927 (North Zone)
7 8	14	45	Wetzell	Grant Grant	Coustal Aerest Ren Mabel F		11.00	based upon Differential GPS Measurements. Plat orientation, corner and well ties are based upon
9	14	43	Wetzel Wetzel	Grant	Mabel F Donald J		11.01 111.00	the grid north meridian. Well location references are based upon the grid north
11	14	33	Wetzel	Grant	Atlee H. & Hild	B. Censway	108.00	meridian. UTM coordinates are NAD83. Zone 17, Meters.
14	14	40	Wetzel Wotzel	Grant	Donald J. D Donald J. D		131.00	
10	74 84	32 ß	Wetzul	Grant Grant	Mary Jan Coastal Forest Res	A. There is a second	13,30	BIG 464 Lease BIG 464 Market Acres Lease BIG 464 0 78 78 1010666 BIG 464 74 78 78 122016 Ridgetop Royalties, LLC, et al. 42 106 707114 Big 464 74 55 125452 Lavena Jane Higginbotham 25 125457 Kenneth M. Wayman, et al. 55 125454 Dale K. Dulaney and Sherry Dulaney 25 125457 Kenneth M. Wayman, et al. 150 125464 150 125458 Broneth M. Wayman, et al. 150 125464 150 125464 Dare J. Cottrell, et al. 19 870674 Anna M. Wolford and David A. Wolford, et al. 87.73 BIG 464 H726 Big 45655 Shermam H
10	15	12	Wetzul	Grant	William Bowers & (Ionald J. D'Liteky	147.50	Lorana Bill Calaba ³¹ Control 122111 Barbara Lynne Metheny, et al. 108 712711 Barbara Lynne Metheny, et al. 108 712806 Ridgetop Royalties, LLC, et al. 42
27	15	5	Wetzet Wotzel	Grant Grant	No Tax Map & Pa William Boy		43.20	1010566 0 Bloat 11 3 5 125459 Randel J. Hartman, et al. 693 125452 Lavena Jane Higginbotham 25
34	10	28	Watzal	Grant	Coastal Forest Res Coastal Forest Res		107.00	Lease BIGADA T 125454 Dale K. Dulaney and Sherry Dulaney 25 707114 BBIGADA H 125454 Kenneth M. Wayman, et al. 55
36	0	90 519	Wetzel	Grant Grant	Terry L & Ca		128.00	707114 (12545) Kenneth M. wayman, et al. 55 (12545) Kenneth M. wayman, et al. 55 (12545) Ervin Willey and Theimas Willey, et al. 17 117665 AMP Fund III L.P., et al. 150
05 07	14	25	Wetzel	Grant	Mary Jan ET Blue Ge	5.0% Lab.	14.50 35.88	BIG464 H13 47-103-03211 BIG464 H26 CA6A 11 ¹¹ BIG464 H26 CA6A 11 ¹¹
88	14	23	Wetziel	Grant	Eguitte	ns LP	51.00	
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71	14	14 10.1	Wetzel Wetzel	Grant Grant	Gary L. Thomas J. P		21,40	11173303001 Shihan Estatos Inc. et al
78	14	12	Watrel	Grant	Thomas J. P	arks, et al.	18.00	47-103-03215 B70098 David L Hostutler, et al. 197
77 78	14	3.1 11.1	Wetzel Watzel	Grant Grant	Ronald L. & A James W. & A		1,45 0.36	Tract I.D., Tax Map No. Parcel No., County District Surface Tract Owner Acres
79	34 34	1	Wetzeil	Grant	Theims C Dale K. & She		3.00	Tract I.D. Tax Mep No. Parcel No. County District Surface Tract Owner Acres 137 0 25 Webail Orant Decomb Frontzet & John Panis 8.95
81	14	4	Wetzel	Grant	Theima C	Willey	34.55	132 0 25.1 Webel Grant William B. & Parmela 5. Pramela 25.20 133 0 11 Webel Grant Eizstein Amundson, et al. 53.37
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88	0	48	Wetzel.	Grant	Donald Alier	Kennedy	25.60	137 4 4 Weizer Grant Rolph D. Thadver 53.50 138 a 51 Weizer Grant H. J. Zimmerman d. 10
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	10000	E A A A A A	H b A B A B	N.C. O. K.T.		correct and she the reg	to the	igned, hereby certify that this plat is the best of my knowledge and belief If the information required by law and ins issued and prescribed by the of Environmental Protection. P.S. 2092 SEAL
DRA SCA MINI	FILE NO: 125-16 DRAWING NO: BIG464 5H DATE: January 19 20 SCALE: 1" = 2000' STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION MINIMUM DEGREE OF ACCURACY: 1:2500 DIL AND GAS DIVISION API WELL NO PROVEN SOURCE OF ELEVATION: 01L AND GAS DIVISION 47 . 103 .							TE OF WEST VIRGINIA NT OF ENVIRONMENTAL PROTECTION LAND GAS DIVISION OPERATOR'S WELL NO.: BIG464 5H API WELL NO MOO 47 . 103 . 03433
LOC DIS SUI RO PR	TRICT RFACI YALTY OPOS		(IF EVA Grant NER: NER: ORK	GAS)	PRODUCTI 1246.8' Production Generation etop Royaltie RILL CC RMATION	mpany s, LLC, et NVERT □ OTH	ATER:	CTION DEEP SHALLOW RAGE DEEP SHALLOW SHED Wiley Fork QUADRANGLE: Big Run COUNTY: Wetzel ACREAGE: 25.25 LEASE NO: 1010666 ACREAGE: 32 LL DEEPER STRACTURE OR STIMULATE DEPTH: 7.394'
-		_	_					
1			TOR:		Production C			DESIGNATED AGENT: Joseph C. Mallow
AD	DRES	s:			loodcliff Drive			ADDRESS: 115 Professional Place PO Box 280
1		-		Canor	nsburg, PA 1	5317		Bridgeport, WV 26330

WW-6A1 (5/13)

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

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 John F Zavat	chan Or.
Its:	Project Specialist - Permitting	

Page 1 of 7

02/11/2022

WW-6A1 attach	ment		Operator's Well No.	B	ig464 5H
Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>1010666</u>	<u>Ridgetop Royalties, LLC, et al.</u> Ridgetop Royalties, LLC	32 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 166A/638
<u>707114</u>	<u>Ridgetop Royalties, LLC, et al.</u> W. S. Furbee and Mary Furbee, his wife Carnegie Natural Gas Company Carnegie Production Company	78 ac	Carnegie Natural Gas Company Carnegie Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 2A/182 OG 78A/513 WV SOS
<u>712711</u>	<u>Barbara Lynne Metheny, et al.</u> Lee Glover and Bertha Glover, his wife Carnegie Natural Gas Company Carnegie Production Company	108 ac	Carnegie Natural Gas Company Carnegie Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 20A/493 OG 78A/513 WV SOS
<u>712806</u>	<u>Ridgetop Royalties, LLC, et al.</u> W. S. Furbee and Mary Furbee, his wife Carnegie Natural Gas Company Carnegie Production Company	42 ac	Camegie Natural Gas Company Camegie Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 21A/84 OG 78A/513 WV SOS
<u>125459</u>	Randel J. Hartman, et al. Virginia Myers and William S. Myers, her husband, et al Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C.	693 ac	Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc.	"at least 1/8th per WV Code 22-6-8"	OG 47A/16 OG 64A/442 OG 72A/368 Corp. 12/622 DB 402/446 OG 97A/578

Statoilhydro USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation

Lavena Jane Higginbotham

<u>125452</u>

125454

Etta Haught Beckley, widow, et al Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation

Statoil USA Onshore Properties, Inc.	WV SOS
SWN Production Company, LLC	OG 157A/540
SWN Exchange Titleholder, LLC	OG 158A/801
SWN Production Company, LLC	Corp. 13/296
Antero Exchange Properties LLC	OG 177A/533
Antero Exchange Properties LLC	OG 177A/738
Antero Resources Corporation	Corp. 13/311
EQT Production Company	OG 227A/932

at least 1/8th per WV Code 22-6-8

"at least 1/8th per

Equitable Gas Company OG 52A/435 Columbia Gas Transmission Corporation OG 64A/442 Columbia Natural Resources, Inc. OG 72A/368 Columbia Natural Resources, LLC Corp. 12/622 Chesapeake Appalachia, L.L.C. DB 402/446 Statoilhydro USA Onshore Properties Inc. OG 97A/578 Statoil USA Onshore Properties, Inc. WV SOS SWN Production Company, LLC OG 157A/540 SWN Exchange Titleholder, LLC OG 158A/801 SWN Production Company, LLC Corp. 13/296 Antero Exchange Properties LLC OG 177A/533 Antero Exchange Properties LLC OG 177A/738 Antero Resources Corporation Corp. 13/311 EQT Production Company OG 228A/1 & 231A/158

			di lodot i loti pol	
Dale K. Dulaney and Sherry Dulaney		WV Code 22-6-8*		
Adda M. Sole, widow	25 ac	Equitable Gas Company	OG 52A/425	
Equitable Gas Company		Equitrans, Inc.	OG 71A/453	
Equitrans, Inc.		EQT Capital Corporation	Corp. 13/213	
EQT Capital Corporation		Equitable Resources, Inc.	Corp. 13/213	
Equitable Resources, Inc.		Equitable Gas Company, LLC	Corp. 13/230	
Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP	Misc. 105/908	
Equitrans, LP		EQT Production Company	OG 131A/81	

25 ac

Kenneth M. Wayman, et al.			WV Code 22-6-8"	
<u>125457</u>	F. M. Tuttle and Mary E. Tuttle, his wife, et al	55 ac	Equitable Gas Company	OG 52A/437
	Equitable Gas Company		Columbia Gas Transmission Corporation	OG 64A/442
	Columbia Gas Transmission Corporation		Columbia Natural Resources, Inc.	OG 72A/368
	Columbia Natural Resources, Inc.		Columbia Natural Resources, LLC	Corp. 12/622
	Columbia Natural Resources, LLC		Chesapeake Appalachia, L.L.C.	DB 402/446
	Chesapeake Appalachia, L.L.C.		Statoilhydro USA Onshore Properties Inc.	OG 97A/578
	Statoilhydro USA Onshore Properties Inc.		Statoil USA Onshore Properties, Inc.	WV SOS
	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	OG 157A/540
	Statoil USA Onshore Properties, Inc.		SWN Exchange Titleholder, LLC	OG 158A/801
	SWN Exchange Titleholder, LLC		SWN Production Company, LLC	Corp. 13/296
	SWN Production Company, LLC		Antero Exchange Properties LLC	OG 177A/533
	Statoil USA Onshore Properties, Inc.		Antero Exchange Properties LLC	OG 177A/738
	Antero Exchange Properties LLC		Antero Resources Corporation	Corp. 13/311
	Antero Resources Corporation		EQT Production Company	OG 231A/59

17 ac

Ervin Willey and Thelmas Willey, et al.

125461

Dorothy Williams, widow, et al Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation

	WV Code 22-6-8"	
Equitable Gas Company		OG 53A/108
Columbia Gas Transmission Corporation		OG 64A/442
Columbia Natural Resources, Inc.		OG 72A/368
Columbia Natural Resources, LLC		Corp. 12/622
Chesapeake Appalachia, L.L.C.		DB 402/446
Statoilhydro USA Onshore Properties Inc.		OG 97A/578
Statoil USA Onshore Properties, Inc.		WV SOS
SWN Production Company, LLC		OG 157A/540
SWN Exchange Titleholder, LLC		OG 158A/801
SWN Production Company, LLC		Corp. 13/296
Antero Exchange Properties LLC		OG 177A/533
Antero Exchange Properties LLC		OG 177A/738
Antero Resources Corporation		Corp. 13/311
EQT Production Company		OG 269A/533

"at least 1/8th per

"at least 1/8th per

AMP Fund III, L.P., et al.			WV Co	WV Code 22-6-8"	
<u>117665</u>	Sarah J. Kiger and E. C. Kiger, her husband	150 ac	Pittsburgh & West Virginia Gas Company	OG 13A/285	
	Pittsburgh & West Virginia Gas Company		Equitable Gas Company	DB 187/321	
	Equitable Gas Company		Columbia Gas Transmission Corporation	OG 64A/442	
	Columbia Gas Transmission Corporation		Columbia Natural Resources, Inc.	OG 72A/368	
	Columbia Natural Resources, Inc.		Columbia Natural Resources, LLC	Corp. 12/622	
	Columbia Natural Resources, LLC		Chesapeake Appalachia, L.L.C.	DB 402/446	
	Chesapeake Appalachia, L.L.C.		Statoilhydro USA Onshore Properties Inc.	OG 97A/578	
	Statoilhydro USA Onshore Properties Inc.		Statoil USA Onshore Properties, Inc.	WV SOS	
	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	OG 157A/540	
	Statoil USA Onshore Properties, Inc.		SWN Exchange Titleholder, LLC	OG 158A/801	
	SWN Exchange Titleholder, LLC		SWN Production Company, LLC	Corp. 13/296	
	SWN Production Company, LLC	,	Antero Exchange Properties LLC	OG 177A/533	
	Statoil USA Onshore Properties, Inc.		Antero Exchange Properties LLC	OG 177A/738	
	Antero Exchange Properties LLC		Antero Resources Corporation	Corp. 13/311	
	Antero Resources Corporation		EQT Production Company	OG 227A/932	

Dara J. Cottrell, et al.

125464

Dorothy Williams, widow, et al Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation

WV Code 22-6-8* 19 ac Equitable Gas Company OG 53A/364 Columbia Gas Transmission Corporation OG 64A/442 Columbia Natural Resources, Inc. OG 72A/368 Columbia Natural Resources, LLC Corp. 12/622 Chesapeake Appalachia, L.L.C. DB 402/446 Statoilhydro USA Onshore Properties Inc. OG 97A/578 Statoil USA Onshore Properties, Inc. WV SOS SWN Production Company, LLC OG 157A/540 SWN Exchange Titleholder, LLC OG 158A/801 SWN Production Company, LLC Corp. 13/296 Antero Exchange Properties LLC OG 177A/533 Antero Exchange Properties LLC OG 177A/738 Corp. 13/311 Antero Resources Corporation EQT Production Company OG 231A/59

"at least 1/8th per

"at least 1/8th per

<u>870674</u>	Anna M. Wolford and David A. Wolford, et al. Carol Sue Kennedy and Donald F. Kennedy, wife and husband Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	8.73 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	*at least 1/8th per WV Code 22-6-8*	OG 77A/391 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707
<u>994555</u>	<u>Sherman Hill, et al.</u> Sherman H. Hill and Marlas L. Hill, husband and wife	40.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 145A/275
<u>125400</u>	Robert Barry Myers, Jr., et al. Ingrim Myers Jr. and Rosatie Myers, his wife, et al Equitable Gas Company Equitrans, Inc. EQT Capital Corporation Equitable Resources, Inc. Equitable Gas Company, LLC and EQT Corporation Equitrans, LP	119 ac	Equitable Gas Company Equitrans, Inc. EQT Capital Corporation Equitable Resources, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 52A/284 OG 71A/453 Corp. 13/213 Corp. 13/213 Corp. 13/230 Misc. 105/908 OG 131A/81
<u>870111</u>	<u>Three Rivers Royalty II, LLC, et al.</u> Harry W. Taylor and Myrtle Taylor, his wife M. P. Wells W. D. Brookover, Jr., (lawful successor-in-interest to W. D. Brookover) Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	234 ac	M. P. Wells W. D. Brookover Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 42A/213 OG 42A/216 OG 77A/638 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707

at least 1/8th per WV Code 22-6-8

Shiben Estates, Inc., et al.

<u>125489</u>	Esther Peters, et al Equitable Gas Company Equitrans, Inc. EQT Capital Corporation Equitable Resources, Inc. Equitable Gas Company, LLC and EQT Corporation Equitrans, LP	46 ac	Equitable Gas Company Equitrans, Inc. EQT Capital Corporation Equitable Resources, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company		OG 53A/395 OG 71A/453 Corp. 13/213 Corp. 13/213 Corp. 13/230 Misc. 105/908 OG 131A/81
<u>173393001</u>	<u>Shiben Estates, Inc., et al.</u> Shiben Estates, Inc.	35 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 268A/472
<u>870098</u>	David L. Hostutler, et al. Pershing R. Taylor, widower, et al Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	197 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 77A/86 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707

Ch# 0000590920

EGI

EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317

January 21, 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 BIG464 5H Well Permit Number 47-103-03433 Grant 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
- Check in the amount of \$2,500 for the expedited 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

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 <u>jzavatchan@eqt.com</u> 724-746-9073





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

Modification Horizontal H6A Well Work Permit (API: 47-103-03431, 03432, 03433, 03434, 03435, 03436, 03437)

1 message

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

Thu, Feb 3, 2022 at 12:00 PM To: John <JZavatchan@eqt.com>, Todd <tklaner@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Olivia Pishioneri

copishioneri@eqt.com>, Erin Spine

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-103-03431 - BIG 464 1H 47-103-03432 - BIG 464 3H 47-103-03433 - BIG 464 5H 47-103-03434 - BIG 464 7H 47-103-03435 - BIG 464 9H 47-103-03436 - BIG 464 11H 47-103-03437 - BIG 464 113H

If you have any questions, then please contact us here at the Office of Oil and Gas.

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

7 attachments

- 47-103-03434 mod.pdf 7-1369K
- 47-103-03433 mod.pdf 7-1512K
- 47-103-03435 mod.pdf 7-1538K
- 47-103-03431 mod.pdf 7-1655K
- 47-103-03436 mod.pdf 7-1664K
- 47-103-03437 Copy.pdf 7-1556K
- 47-103-03432 mod.pdf 7-1664K

