03/15

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State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API <u>47</u> 095 0	County	Tyler	District McElroy	
Quad Shirley 7 1/2"		me Gorby		
Farm name James Ira & F			Well Number 3	
Operator (as registered with				
Address 429 Simonton F		City Ellenboro	State WV	Zip 26346
As Drilled location NAD Top			e view, and deviation survey Easting 517423.33	
Landing Point of C	0		Easting 517556.57	
Bottom	Hole Northing 437	0341.64	Easting 516800.90	
Elevation (ft) 1,279'	GL Type	of Well ∎New □ E	xisting Type of Report	□Interim ■ Final
Permit Type Deviated	d 🗆 Horizontal 🛛	Horizontal 6A	Vertical Depth Type	🗆 Deep 📑 Shallow
Type of Operation □ Conv	ert 🗆 Deepen 📕 I	Drill 🛛 🗆 Plug Back	Redrilling Rework	Stimulate
Well Type 🗆 Brine Dispos	al 🗆 CBM 🛢 Gas 🛢 🤇	Oil □ Secondary Reco	very	orage 🗆 Other
Type of Completion □ Sin	-	uids Produced 🛽 🗏 Brine	e 🛾 🖉 Gas 📲 NGL 🖷 Oil	Other
Drilled with \Box Cable	Rotary			
Drilling Media Surface ho	le ∎Air □Mud □	Fresh Water Inte	ermediate hole 🛯 Air 🗆 Mud	□ Fresh Water □ Brine
Production hole	Mud 🗆 Fresh Water	□ Brine		
Mud Type(s) and Additive(Synthetic Based Mud (Oil), Barite, Anco M	/lul P, Anco Mul OW, Anco	Mul XI., Anco Mul Mod
Anco Mul OW Claytone				
Date permit issued7-2	1-2022 Date dril	ling commenced 8	-30-2022 Date drilling of	ceased 12-7-2022
Date completion activities b		Bate comp	letion activities ceased1	2-27-2022
Verbal plugging (Y/N)	N Date permission	on granted n	/a Granted by	n/a
Please note: Operator is req	uired to submit a pluggi	ng application within 5	days of verbal permission to p	lug
Freshwater depth(s) ft	215'	Open mine(s) (Y/N) depths	Ν
Salt water depth(s) ft	n/a		ountered (Y/N) depths	Ν
Coal depth(s) ft	n/a	Cavern(s) e	ncountered (Y/N) depths	
Is coal being mined in area (Y/N) î	<u>N</u>	APPROVEL	Reviewed by:

WR-35

API 47- 095 _ 02795 _____ Farm name_ James Ira & Paulette M. Gorby Well number_ Gorby 3

CASING	Hole	Casing		New or	Grade	Basket	Did cement circulate (Y/N)
STRINGS	Size	Size	Depth	Used	wt/ft	Depth(s)	* Provide details below*
Conductor	24"	18.625"	30'	New	n/a	n/a	Grouted
Surface	17.5"	13.375"	378'	New	48# J-55	42	Yes
Coal							
Intermediate 1	11"	8.625"	2,498'	New	24# J-55	2,455'-250'	Yes
Intermediate 2							
Intermediate 3							
Production	7.875"	5.5"	12,389'	New	20# P-110	n/a	Yes
Tubing							
Packer type and d	epth set	n/a	•		•		

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume $(ft^{\frac{3}{2}})$	Cement Top (MD)	WOC (hrs)		
Conductor	Class A	n/a	n/a	n/a	n/a	CTS	8 hours		
Surface	Class A	310	15.6	1.19	365	CTS	8 hours		
Coal									
Intermediate 1	Class A	729	15.6	1.19	870	CTS	8 hours		
Intermediate 2									
Intermediate 3									
Production	Class A	1,871	14.5	1.19	2,223	300'	8 hours		
Tubing									
Drillers TD (ft Deepest forma Plug back pro	tion penetrated Man	cellus		gers TD (ft) <u>12</u> , g back to (ft) <u>n/a</u>					
Kick off depth	(ft) <u>6,447'</u>								
Check all wire	line logs run	-		deviated/directi gamma ray		ction perature □sonic			
Well cored	Yes 📕 No	Conventional	Sidewall	W	ere cuttings col	lected Yes	No		
5.5" vertical centralizers e	HE CENTRALIZE	tralizers every other joint or one e	JSED FOR EA	CH CASING S	TRING				
	spring centralizers ran every g centralizing basket ran on 2								
	g constanting second real OII 2								
WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS RECEIVED Office of Oil and Gas									
WAS WELL C	COMPLETED OPE	N HOLE? 🗆 Ye	es 🛚 No	DETAILS		MAY 2 4 2023			
WERE TRACI	ERS USED 🗆 Yes	s 🖩 No TY	PE OF TRACE	R(S) USED	\ Env	VV Department of ironmental Protection	15/2024		

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API 47-095 _ 02797

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
1	12-17-22	12311	12198	72	MARCELLUS
2	12-17-22	12160	11996	72	MARCELLUS
3	12-17-22	11944	11786	72	MARCELLUS
4	12-18-22	11722	11568	72	MARCELLUS
5	12-18-22	11520	11358	72	MARCELLUS
6	12-18-22	11294	11136	72	MARCELLUS
7	12-19-22	11083	10898	72	MARCELLUS
8	12-19-22	10842	10764	72	MARCELLUS
9	12-20-22	10600	10430	72	MARCELLUS
10	12-20-22	10384	10222	72	MARCELLUS
11	12-20-22	10166	10004	72	MARCELLUS
12	12-21-22	9944	9788	72	MARCELLUS
13	12-21-22	9737	9574	72	MARCELLUS
14	12-21-22	9522	9365	72	MARCELLUS
15	12-22-22	9298	9102	72	MARCELLUS
16	12-22-22	9052	8884	72	MARCELLUS

PERFORATION RECORD

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Comp	lete a separate	e record for eac	ch stimulation stage.		WV Department of			
Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Environmenta Amount of Water (bbls)	Protection Amount of Nitrogen/other (units)
1	12-17-2 1	69.9	6617	6910	4673	265633	9064	N/A
2	12-17-2-	69.8	6365	6436	4749	261944	8439	N/A
3	12-17-21	69.9	6299	6221	4446	261482	8588	N/A
4	12-18-2	69.8	6286	5896	4856	260926	8594	N/A
5	12-18-2	70.4	6248	5733	4940	261942	8591	N/A
6	12-19-2	69.9	6196	5708	4940	259933	8543	N/A
7	12-19-2	70	6327	6646	4757	261487	8534	N/A
8	12-19-2	69.9	6183	5786	4973	261029	8494	N/A
9	12-20-2	70	6157	7223	4761	262009	8498	N/A
10	12-20-27	69.9	6143	6279	4897	261222	8536	N/A
11	12-21-2	69.9	6123	6970	4854	260968	8504	N/A
12	12-21-2	70	6081	6664	4919	261171	8127	N/A
13	12-21-2	69.9	6039	6536	4976	260844	8402	N/A
14	12-22-2	69.9	6031	6186	5006	261215	8225	N/A
15	12-22-2	70.1	5963	6442	4982	260174	8170	N/A
16	12-22-2	70.1	6067	6442	5072	233058	8203	N/A

Please insert additional pages as applicable.

03/15/202

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API 47-095 _ 02797

			PERFORATI	ON RECORD	
Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	12-22-22	8792	8626	72	MARCELLUS
18	12-23-22	8578	8410	72	MARCELLUS
19	12-23-22	8360	8195	72	MARCELLUS
20	12-26-22	8154	7990	72	MARCELLUS
21	12-27-22	7947	7768	72	MARCELLUS
22	12-27-22	7718	7560	72	MARCELLUS

Farm name

James Ira & Paulette M. Gorby Well number_Gorby 3

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
17	12-22-2		6019	6390	4887	261572	8949	N/A
18	12-23-27	70.1	5892	5835	4855	260602	8267	N/A
19	12-23-2	70.2	5943	6339	4829	261923	8210	N/A
20	12-27-2	70.2	6041	6672	5153	259942	8167	N/A
21	12-27-2	70.1	6006	6361	5057	259965	8179	N/A
22	12-27-2	70.1	5955	6070	4931	260774	8110	N/A
						RECEIVE		
						Office of Oil a	nd Gas	
						MAY 24	2023	

Please insert additional pages as applicable.

WV Department of Environmental Protection

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API 47- 095	_ 02795		Farm	name James	Ira & Pau	lette	M. Gorby	Well 1	number <u>3</u>	Gorby 3
PRODUCING			<u>5)</u>	<u>DEPTHS</u> 6,911'	TVD	7,3	62'	MD		
Marcellus Shale	(bottom ho	ole)		6,872		12,	436'			
Please insert ad	ditional pa	iges as	applicable.							
GAS TEST	🗆 Build up	p 🗆	Drawdown	Open Flow		OII	L TEST	Flow [D Pump	
SHUT-IN PRE	SSURE	Surfa	ace 2,633	psi Bott	om Hole_2	,633	psi	DURA	FION OF	TEST 24 hrs
OPEN FLOW	Gas 5150.7	mcfp	Oil od 48	NGL bpd 0	bpd				/IEASUR mated	ED BY Orifice □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN NAME T	N FT	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTC DEPTH II MD					ECORD QUANTITYAND R, BRINE, OIL, GAS, H₂S, ETC)
SEE ATTACHED	0			0					SEE AT	TACHED
										RECEIVED
										e of Oil and Gas
									M/	Y 2 4 2023
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Drilling Contra Address 102 Bro				City	Carnegie			State	PA	Zip 15106
Lagaina Camp	Strata	aranh I	NE Inc							
Logging Compared Address 116 Ells		graph		City	Marietta			State	ОН	Zip 45750
Cementing Con Address 1213 St			Cementing	City	New Phil	delph	a	State	ОН	Zip 44663
				City		deiph		State		
Stimulating Con Address Suite 50					Calgory			G	Alborto	7. T2D 1E5
Please insert ad				City	Calgary			State	Aibend	_Zip_ T2P 1E5
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Signature _	nareu	V N	ull				ons Manager		Date 5/3	C
Submittal of Hy	draulic Fra	acturii	ng Chemical	Disclosure Info	ormation	At	tach copy o	f FRACF	FOCUS F	Registry 03/15/2024

WR-35 FORMATION DATA

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Riley 4890 4918					
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Alexander 5520 5584					
Alexander 5520 5584	Benson	5243	5253	Show gas	
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Cherry Valley 6921					
	Cherry Valley	6921			
Onondaga	Onondaga				

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WV Department of Environmental Protection

03/15/2024

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/17/2022
Job End Date:	12/27/2022
State:	West Virginia
County:	Tyler
API Number:	47-095-02795-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	Gorby 3
Latitude:	39.46746200
Longitude:	-80.79745000
Datum:	
Federal Well:	REC NO
Indian Well:	NAD83 NAD83 Office of Oil and Gas MAY 2 4 2023 WV Department of NV Department of
True Vertical Depth:	ED 6,891 nd Gas 7,067,031 Protect
Total Base Water Volume (gal):	NAD83 NAD83 NO Office of Oil and Gas MAY 2 4 2023 WV Department of Environmental Protection
Total Base Non Water Volume:	0







Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Supplied by Operator	Base Fluid					
			Water	7732-18-5	100.00000	91.75159	
Hydrochloric Acid		Clean Perforations					
				Listed Below			

DynaScale™ 3511	CWS	Scale Inhibitor					
				Listed Below			
CalGuard™ 9100	cws	Corrosion Inhibitor					
-				Listed Below			
Sand (Proppant)	cws	Propping Agent					
				Listed Below			
USB-123	cws	Microbiocide					
				Listed Below			
DynaRate™ 6459	CWS	Friction Reducer					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					
				Listed Below			
Items above are Tra	ide Names with the	e exception of Base Wa	ater . Items below are the indiv	vidual ingredients.			
		A Contraction of the	Crystalline silica (Quartz)	The second s	100.00000	7.92992	
			Hydrochloric acid	7647-01-0	37.00000	0.20515	
₩	_ 0		Calcite	471-34-1	1.00000	0.04283	
2 4	RI ffice		Illite	12173-60-3	1.00000	0.03647	
Dapad mental	RECEN Office of OII		Biotite	1302-27-8	0.10000	0.00793	
men Prot	NED Nand		Apatite	64476-38-6	0.10000	0.00793	
e ori Pectro	Gas		Goethite	1310-14-1	0.10000	0.00793	
			Ilmenite	98072-94-7	0.10000	0.00365	
			Glutaraldehyde	111-30-8	14.00000	0.00336	

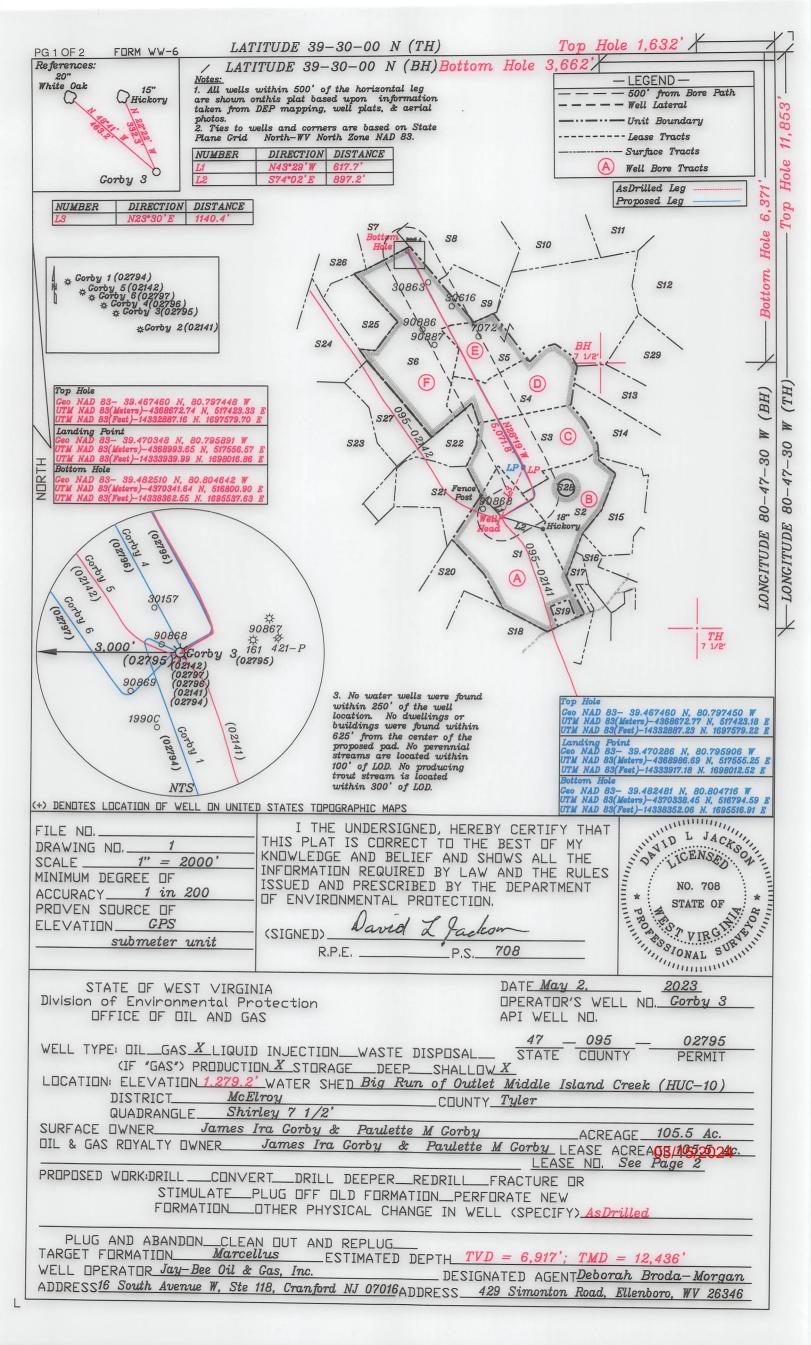
Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00072	
Ethanol	64-17-5	3.00000	0.00072	
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	3.00000	0.00072	
Ethylene Glycol	107-21-1	40.00000	0.00034	
Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00017	
Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00010	
Distillates (petroleum), hydrotreated light	64742-47-8	3.00000	0.00010	
Formic acid	64-18-6	10.00000	0.00008	
Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00008	
Cinnamaldehyde	104-55-2	10.00000	0.00008	
Ethoxylated Alcohols	68131-39-5	10.00000	0.00008	
Isopropyl alcohol	67-63-0	5.00000	0.00004	
Organic Acid Ether	Proprietary			Proprietary CAS & Additive Concentration
Proprietary Polymer 1	Proprietary			Proprietary CAS & Additive Concentration
Inorganic Salt	Proprietary			Proprietary CAS & Additive Concentration
Inorganic Acid Salt	Proprietary			Proprietary CAS & Additive Concentration

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water ** Information is based on the maximum potential for concentration and thus the total may be over 100% *** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

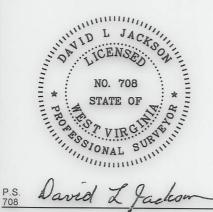
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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Tags	Number	Tax Map -Parce	el	Surface Owner				
A	S1	05-06-44		JAMES IRA & PAULETTE M GORBY				
В	S2	05-06-02	RANDALL J	RANDALL J BRODA TRUSTEE RANDALL J BRODA FAMILY TR II				
С	S3	05-06-01		TRACI LYNN BROWN ET AL				
D	S4	05-02-28		JAY BEE OIL & GAS INC				
E	S5	05-02-15		LEO W WIKER & JOHN S. WIKER, III & WILLIAM J. WIKER				
F	S6	02-22-29 & 30		WSD PROPERTIES LLC				
	\$7 \$7	02-22-26		JOHN W SOLE (LIFE)				
	S8	02-22-27	C W WEEKLE	C W WEEKLEY HRS; JAMES A WEEKLEY HRS; JEAN ANN GUMP & GAIL F HEADLEY				
	S9	02-22-28		WSD PROPERTIES LLC				
	S10	05-02-01		JACK HAIR & JEFFREY K HAIR				
	S11	05-02-02		JACK ALTON HAIR & JEFFREY HAIR				
	S12	05-02-17		JACK A HAIR & JEFFREY K HAIR				
	S13	05-02-29	PHILLIP TODD NICHOLS			85 34.34		
	S14	05-06-03		REBECCA DIANE BAKER				
	S15	05-06-08		JASON M FILLMORE				
	S16	05-06-49	FM	F M MCINTYRE EST & ESTELLA MCINTYRE ET AL				
	S17	05-06-46		JAMES IRA & PAULETTE M GORBY				
	S18	05-05-18	JIMN	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST				
S19 S20 S21 S22 S23 S24 S25	S19	05-06-45		JAMES I & PAULETTE M GORBY				
	S20	05-05-19	JIMN	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST				
	S21	05-05-21		LARRY SHAWN CAINE				
	S22	02-28-40		WSD PROPERTIES LLC				
	S23	02-28-38		BOYD W WEEKLEY				
	S24	02-22-32	RICHARD GR	RICHARD GRODSKY & DAVID LANGWORTHY & ROBERT BROOKS				
	S25	02-22-31		RICHARD GRODSKY & DAVID LANGWORTHY & ROBERT BROOKS				
	S26	02-22-25		PAUL RICHARD BAKER				
	S27	02-28-39		WSD PROPERTIES LLC				
	S28	05-06-2.1		TRACI LYNN BROWN ET AL				
	S29	05-2-29.1		MORSE BRANDT FAMILY TRUST				
	T	District			Deed	34.34		
Tracts Tax Map/Parcel			JBTract #	Lessor, Grantor, etc.	Book/Page	Acres		
		5-6-44	T3129T2	Donna A. Alexander, et al 400/418		105.50		
B		5-6-2	RPT4			54.29		
C		5-6-1	RPT5			66.00 73.00		
		-2-28 (RPT5 &) RP		Darla Dennis, et al 392/245				
		5-2-15 2-29 & 30		RPT7Darla Dennis, et al392/245T3121Sue Ann Putich375/820		155.27 116.00		



123' to Detail A Property Line Asdrilled Proposed. BH 03/15/2024

AsDrilled Leg Proposed Leg

47-095-02795 API #: WELL PLAT Jay Bee Oil & Gas Gorby 3 WELL #: ___ PAGE 2 OF 2 DRILLING DISTRICT: MCELROY DATE: 05/02/2023 into the future COUNTY: TYLER STATE: WV

JAY-BEE COMPANIES



JAY-BEE OIL & GAS, INC. P.O. BOX 380 BRIGDEPORT, WV 26330 (304)-933-3878

May 9, 2023

WV DEP Attn: Wade Stansberry 601 57th St SE Charleston, WV 25304

Mr. Stansberry,

Enclosed you will find the Completion Reports for the following Jay-Bee Oil & Gas, Inc wells: Gorby 1, Gorby 3, Gorby 4, Gorby 6. These wells are located in Tyler County, WV. I believe all information is included, and each set of documents is held together with binder clip.

If there are any corrections needed, further information required, or any questions, please don't hesitate to contact me by phone or email. My cell is 304-203-0665, and email is <u>epotesta@jaybeeoil.com</u>.

Sincerely,

Engloth

Emily Potesta

Attached Addendum

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WV Department of Environmental Protection

03/15/2024

ADDENDUM

Please note this addendum is for all enclosed Gorby Well Completion Reports:

It will be found during the review of casing and tubing from each permit to completion report that there are discrepancies. During the permitting process, the casing and tubing specifications were submitted as what Jay-Bee Oil & Gas, Inc. currently submits for permit to Utica. These wells were to be permitted for and drilled as Marcellus only. This mistake was not realized until after permits had been approved and drilling had commenced. After speaking with DEP Inspector McCoy at that time, he had advised to continue as we were, and make sure to notify during the completion report process of what had occurred. We were not required or requested to submit a permit modification at that time. If there are any further questions, Inspector McCoy advised he could be contacted at 681-344-3265.

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