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

API <u>47</u> <u>095</u> <u>02796</u>	County Tyler	13 - 5	District McElroy	
Quad Shirley 7 1/2"	Pad Name Gorby		Field/Pool Name	
Farm name James Ira & Paulette M	. Gorby		_ Well Number _4	
Operator (as registered with the OOG)	24610	X.		
Address 429 Simonton Road	City_Eller	nboro	State WV	Zip 26346
	Attach an as-drilled forthing 4368675.24 orthing 4368764.73		sting 517419.42	
	orthing 4369883.30	East	ting 517400.76 ting 516766.33	
Elevation (ft) 1,279' GL		New Existing		□Interim ■Final □ Deep ■ Shallow
Type of Operation □ Convert □ De	epen 🖪 Drill 🖂	Plug Back □ Redri	illing Rework	■ Stimulate
Well Type □ Brine Disposal □ CBM	■ Gas ■ Oil □ Seco	ondary Recovery	olution Mining Sto	orage Other
Drilled with □ Cable ■ Rotary Drilling Media Surface hole ■ Air Production hole □ Air ■ Mud □ I Mud Type(s) and Additive(s) Synthetic Based Mud (SOBM), Ka	Fresh Water Brine		hole ■ Air □ Mud	
Anco Mul OW Claytone 3, Lime, 0				Wal 7/2, 7 moo Wal Woo
Date permit issued 7-21-2022 Date completion activities began	Date drilling comme	0.00.000	Date drilling c	eased 11-23-2022 1-2-2023
Verbal plugging (Y/N) N Da	ate permission granted		Granted by	n/a
Please note: Operator is required to sub-	mit a plugging applicat	ion within 5 days of vo	erbal permission to pl	ug
Freshwater depth(s) ft	215'	Open mine(s) (Y/N) do	epths	N
Salt water depth(s) ftn	10	Void(s) encountered (•	N
Coal depth(s) ftn/a		Cavern(s) encountered		N
s coal being mined in area (V/N)	N	(-) -modulitorou	(1/14) deptils	ra-intg-, al

Rev. 8/23/13									<i>3</i>	
API 47- 095	_ 02796	Farm na	_{me} James Ira	& Paulet	te M. Go	orby Wel	l number_Go	rby 4		
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		nent circulate (Y/N) ide details below*	
Conductor	24"	18.625"	30'	New		n/a	n/a	1100	Grouted	
Surface	17.5"	13.375"	381'	New		# J-55	42		Yes	
Coal		101010								
Intermediate 1	11"	8.625"	2,511'	New	24#	# J-55	2,468'-287'		Yes	
Intermediate 2										
Intermediate 3										
Production	7.875"	5.5"	11,482'	New	20#	P-110	n/a		Yes	
Tubing	L									
Packer type and de	epth set	n/a			_					
CEMENT	Class/Type		Slurry	,	Yield	Volume	Cem	ent	woc	
DATA Conductor	of Cement Class A	of Sacks	s wt (pp)		t ³ /sks) n/a	(ft ³) n/a	Top (I		(hrs) 8 hours	
Surface	Class A	310	15.6		1.19	317	СТ		8 hours	
Coal	Oldoo A	- 0.0	10.0		1.10	0.7			0 1100.0	
Intermediate 1	Class A	729	15.6		1.19	870	СТ	s	8 hours	
Intermediate 2										
Intermediate 3	-									
Production	Class A	1737	14.5		1.19	2,111	30	0'	8 hours	
Tubing										
Drillers TD (ft		Marcellus		Loggers T Plug back				Office of	CEIVED Cill and Gas	
Plug back pro	•			1 lag back	10 (11)			MAY	2 4 2023	
Kick off depth								MM Di	epartment of nental Protection	
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivity	■ deviat	ed/directi a ray		nduction temperature	□soni	ic	
Well cored	Yes 🖪 No	Convention	nal Sidev	vall	W	ere cutting	s collected	■ Yes	□ No	
5.5" vertical centralizers e 8.625" int. casing bow	very 500/ horizontail and v spring centralizers ra	LIZER PLACEME curve centralizers every other joi in every 400' ran on 2nd joint and 2nd to	nt or one every 84'	R EACH CA	ASING S	TRING _				
WAS WELL O	COMPLETED	AS SHOT HOLE	□ Yes ■	No Di	ETAILS					
WAS WELL O	COMPLETED	OPEN HOLE?	□ Yes	DET.	AILS _					
WERE TRAC	ERS USED 1	Yes No	TYPE OF TR	RACER(S) I	USED					

API 47-095 _ 02796

Farm name James Ira & Paulette M. Gorby Well number Gorby 4

PERFORATION RECORD

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
1	12-27-22	11447	11280	72	MARCELLUS
2	12-28-22	11240	11082	72	MARCELLUS
3	12-28-22	11038	10874	72	MARCELLUS
4	12-28-22	10826	10668	72	MARCELLUS
5	12-28-22	10608	10454	72	MARCELLUS
6	12-29-22	10402	10241	72	MARCELLUS
7	12-29-22	10200	10030	72	MARCELLUS
8	12-29-22	9983	9816	72	MARCELLUS
9	12-30-22	9778	9612	72	MARCELLUS
10	12-30-22	9550	9380	72	MARCELLUS
11	12-30-22	9326	9180	72	MARCELLUS
12	12-31-22	9118	8970	72	MARCELLUS
13	12-31-22	8914	8738	72	MARCELLUS
14	12-31-22	8662	8480	72	MARCELLUS
15	1-1-23	8426	8262	72	MARCELLUS
16	1-1-23	8228	8052	72	MARCELLUS

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

MAY 2 4 2023

Complete a separate record for each stimulation stage.

WV Department of Environmental Protection

Stage	Stimulations	Ave Pump	Ave Treatment	Max Breakdown		Amount of	Amount of	Amount of
No.	Date	Rate (BPM)	Pressure (PSI)	Pressure (PSI)	ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other (units)
1	12-27-2	70.1	6455	6416	4829	260551	8392	N/A
2	12-28-2	70.2	6279	6032	4837	254258	8292	N/A
3	12-28-2	70.1	6162	6845	4878	261096	8472	N/A
4	12-28-2	70.2	6266	6811	4988	262720	8402	N/A
5	12-29-2	70.2	6298	6555	5284	260567	8334	N/A
6	12-29-2	70.1	6232	6179	4852	263657	8545	N/A
7	12-29-2	70.3	6199	6490	4888	261054	8303	N/A
8	12-29-2	70.4	6158	6180	5069	259961	8238	N/A
9	12-30-2	69.9	6055	5482	4943	263339	8405	N/A
10	12-30-2	69.9	6053	6049	4948	261135	8263	N/A
11	12-31-0	70.3	6156	6299	5105	261418	8243	N/A
12	12-31-2	69.9	6080	6218	4903	262473	8307	N/A
13	12-31-2	69.7	5970	5810	4857	262763	8247	N/A
14	1-1-23	70.3	6172	6512	5105	252196	8049	N/A
15	1-1-23	70.3	6141	6197	4846	262681	8179	N/A
16	1-1-23	69.8	6029	6631	4891	261652	8244	N/A

Please insert additional pages as applicable.

03/15/2024

Farm name_James Ira & Paulette M. Gorby_Well number_Gorby 4 API 47-095 _ 02796

PERFORATION RECORD

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
17	1-1-23	7998	7824	72	MARCELLUS
18	1-1-23	7778	7618	72	MARCELLUS
19	1-2-23	7562	7390	72	MARCELLUS

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	1-1-23	70.3	6067	6197	5202	260837	8137	N/A
18	1-2-23	70.3	6015	6756	5153	261178	8085	N/A
19	1-2-23	69.9	6006	6346	4930	261107	8144	N/A
20								N/A
21								N/A
22								N/A
23						RECEIVED	as	N/A
24						ffice U	2	N/A
25						MAY 2 4 20	63	N/A
26							u of	N/A
27						WV Departmental Pr	otection	N/A
28						Environmenta		N/A
29		7						N/A
30								N/A
31								N/A
								N/A

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13

Nev. 6/23/13	02796	-	_{name_} James Ir	ra & Pau	lette	M Gorby	/ xx/11	. 4	Gorby	Δ
API 47- 095	_ 02790	Farm I	name dames n	<u> </u>		W. COID	well nu	mber	COIDY	7
PRODUCING	FORMATION(S	<u>S)</u>	<u>DEPTHS</u>							
Marcellus Shale	(landing point)		6,920'	_ TVD	7,7	56'	MD			
Marcellus Shale	(bottom hole)		6,879'		11,	503'				
Please insert ad	lditional pages a	s applicable.				8				
GAS TEST	□ Build up □	Drawdown	■ Open Flow		OIL	TEST	Flow 🗆 F	Pump		
SHUT-IN PRE	SSURE Surf	ace 2,508	_psi Botto	m Hole 2,	,508	psi	DURATI	ON OF	TEST 24	hrs
OPEN FLOW	Gas 4370.3 mcf	Oil pd 48 l	NGL opd 0	bpd	Wa 288	ater bpd	GAS ME □ Estima			□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH IN MD			ROCK TYPE LUID (FRESH			NTITYAND L, GAS, H₂S, ETC)
SEE ATTACHED	0		0					SEE AT	TACHED	
									REC	CEIVED
										Oil and Gas
									MAY	2 4 2023
					-					partment of
						***************************************			Environme	ental Protection
Please insert ad	lditional pages a	s applicable.								
	ctor Falcon Drill									
Address 102 Bro	oadway Street, Sui	te 300	City	Carnegie			State _F	PA	Zip 1510	6
Logging Comp	any Stratagraph	NE Inc								
Address 116 Ell	sworth Ave.		City	Marietta			State C	ЭH	Zip 4575	0
0 0	Amorican	Comonting	•							
Address 1213 S	npany American tonecreek Road	Cementing	City	New Phili	delnhi:	а	State (DН	Zip 4466	3
		-	City			75	State _		_ Z.ip	
Stimulating Co.			<u> </u>	Colcon				Mhorto	TOD 6	155
	00-407-8 Ave. Sou ditional pages a		City	Calgary			State _F	Aiberta	Zip T2P 1	IE0
		applicable.	D 12 3000							
Completed by			filed by E. Ad		_		(740) 885-			
Signature	Indrew 1	Veill	Title <u>Dr</u>	rilling & Con	npletic	ons Manager	Da	ate _5/3/	2023	

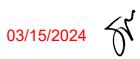
WR-35 FORMATION DATA

		WR-35 FO	RMATION D	ATA
PAD-WELL	Gorby 4			
ELEVATION	1279			
PERMIT	47- 95-02796			
	TOP TVD	BOTTOM TVD		
Carroll Sand	387	410		
Carron Sand	307	410		
Murphy Sand	493	505		
1st Cow Run Sand	601	646		
Little Dunkard Sand	770	814		
Dunkard Sand	825	862		
	525	002		
sandstone	955	971		
2nd Cow Run Sand	1016	1039		
Gas Sand	1417	1430		
1st Salt	1475	1513		
12f 2dif	14/3	1313		
2nd Salt	1647	1702		
3rd Salt	1886	1910		
Maxon	2120	2126		_
Die Lime	2472	2225		
Big Lime	2172	2235		
Big Injun	2248	2435		
Berea	2793	2798		
•				
Gordon	3024	3046		
Fifth	2227	2246		
rita	3237	3246		
Warren	3695	3753		
		2.30		
Riley	4902	4947		
Benson	5248	5255	Show gas	
Alexander	5570	5635		
regnativa	3370	3033		
Hamilton	5848	6201		
Upper Marcellus (Geneseo)	6819	6849		
Demonii (Tedler)	-			
Purcell (Tully Lm)	6849	6853		
Marcellus	6894		Show gas	
	0054		onon Bas	
Cherry Valley	6921			

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/27/2022
Job End Date:	1/2/2023
State:	West Virginia
County:	Tyler
API Number:	47-095-02796-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	Gorby 4
Latitude:	39.46748000
Longitude:	-80.79749500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,894
Total Base Water Volume (gal):	6,739,583
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 Environ	7732-18-5	100.00000	91.60715	
USB-123	cws	Microbiocide	of Oil and A 2 4				
			d Gas 2023 Jeni of Protection	Listed Below			

DynaRate™ 6459	cws	Friction Reducer					
				Listed Below			
DynaScale™ 3511	CWS	Scale Inhibitor					
				Listed Below			
CalGuard™ 9100	cws	Corrosion Inhibitor					
				Listed Below			and the state of t
Sand (Proppant)	cws	Propping Agent					
				Listed Below			
Hydrochloric Acid	cws	Clean Perforations					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					
THE PERSON NAMED OF THE PE				Listed Below			A CONTRACTOR OF THE PROPERTY O
tems above are Tra	de Names with the	exception of Base Wa	ater . Items below are the indiv	vidual ingredients.			
			Crystalline silica (Quartz)	14808-60-7	100.00000	8.06735	
			Hydrochloric acid	7647-01-0	37.00000	0.21042	
			Calcite	471-34-1	1.00000	0.04349	
	E Off		Illite	12173-60-3	1.00000	0.03718	
	NITO OF STATE	5	Biotite	1302-27-8	0.10000	0.00807	
	2 Department	1	Apatite	64476-38-6	0.10000	0.00807	
	4 20 4 20 arime		Goethite	1310-14-1	0.10000	0.00807	
		7	Ilmenite	98072-94-7	0.10000	0.00372	
À	tion		Glutaraldehyde	111-30-8	14.00000	0.00337	

	Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00072	
	Alkyl dimethyl benzyl ammonium chloride	68424-85-1	3.00000	0.00072	
	Ethanol	64-17-5	3.00000	0.00072	
	Ethylene Glycol	107-21-1	40.00000	0.00029	
	Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00014	
	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	0.00007	
	Ethoxylated Alcohols	68131-39-5	10.00000	0.00007	
	Tar bases, quinolone derivs, benzyl chloride-quatenized	72480-70-7	10.00000	0.00007	
	Cinnamaldehyde	104-55-2	10.00000	0.00007	
	Isopropyl alcohol	67-63-0	5.00000	0.00004	
	Proprietary Polymer 1	Proprietary			Proprietary CAS & Additive Concentration
	Inorganic Salt	Proprietary			Proprietary CAS & Additive Concentration
	Inorganic Acid Salt	Proprietary			Proprietary CAS & Additive Concentration
	Organic Acid Ether	Proprietary			Proprietary CAS & Additive Concentration

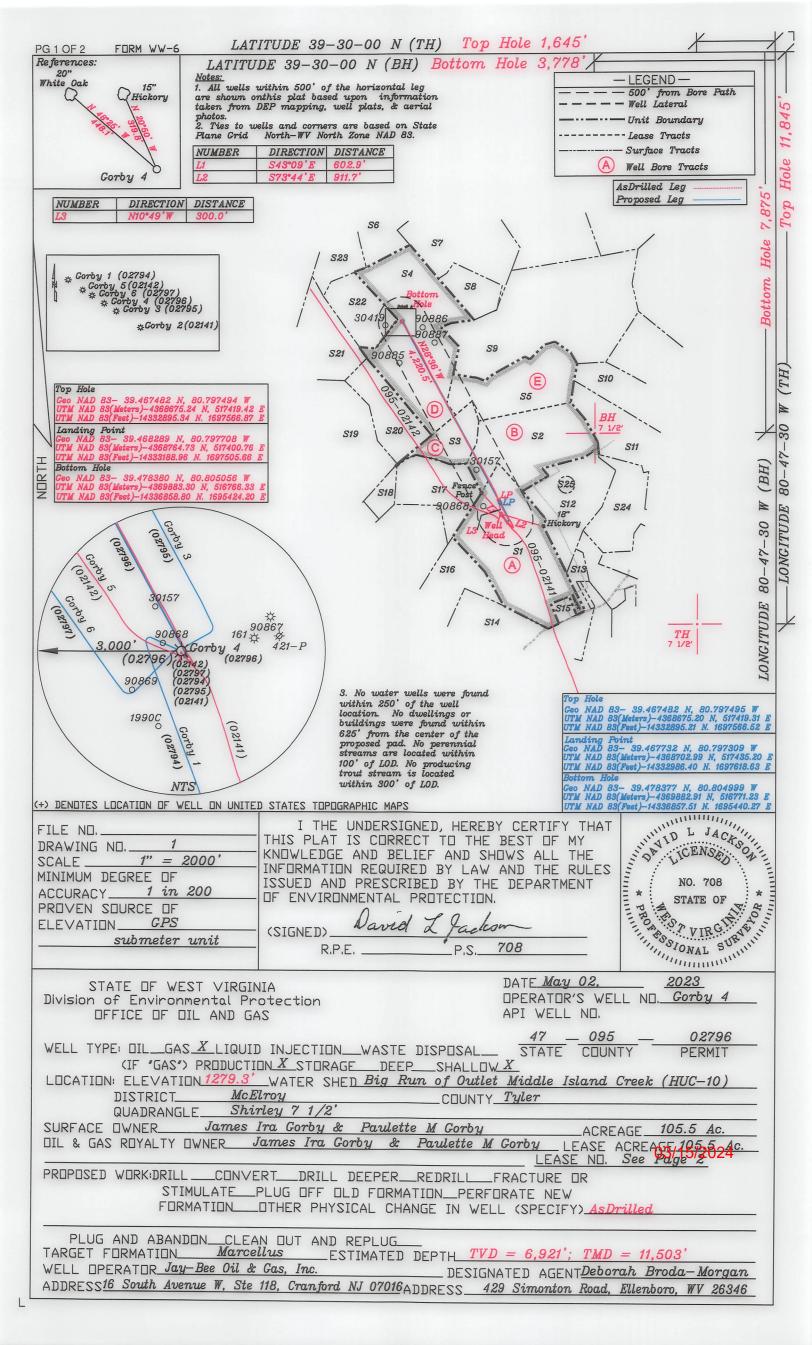
^{*} Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

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)



WV Department of MV Departmental Protection Environmental Protection

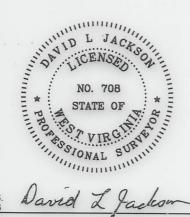
^{**} If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line



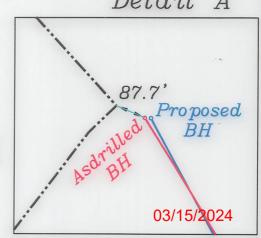
Tags Number		Tax Map -Parcel	Surface Owner	Acres
Α	S1	05-06-44	JAMES IRA & PAULETTE M GORBY	
В	S2	05-06-01	TRACI LYNN BROWN ET AL	
С	S3	02-28-40	WSD PROPERTIES LLC	
D	S4	02-22-29 & 30	WSD PROPERTIES LLC	
Е	S5	05-02-28	JAY BEE OIL & GAS INC	
	S6	02-22-26	JOHN W SOLE (LIFE)	28
	S7	02-22-27	C W WEEKLEY HRS; JAMES A WEEKLEY HRS; JEAN ANN GUMP & GAIL F HEADLEY	58.5
	S8	02-22-28	WSD PROPERTIES LLC	20
	S9	05-02-15	LEO W WIKER & JOHN S. WIKER & WILLIAM J. WIKER	155.27
	S10	05-02-29	PHILLIP TODD NICHOLS	34.341
	S11	05-06-03	REBECCA DIANE BAKER	47.25
	S12	05-06-02	RANDALL J BRODA TRUSTEE RANDALL J BRODA FAMILY TR II	54.29
	S13	05-06-46	JAMES IRA & PAULETTE M GORBY	18.74
	S14	05-05-18	HADLEY JIMMIE L & RHEA K IRREVOCABLE TRUST	87.1
	S15	05-06-45	JAMES I & PAULETTE M GORBY	4
	S16	05-05-19	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	52
	S17	05-05-21	LARRY SHAWN CAINE	41.62
	S18	02-28-41	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	10.66
	S19	02-28-38	BOYD W WEEKLEY	113.89
	S20	02-28-39	WSD PROPERTIES LLC	35
	S21	02-22-32	RICHARD GRODSKY & DAVID LANGWORTHY & ROBERT BROOKS	53
	S22	02-22-31	RICHARD GRODSKY & DAVID LONGWORTHY & ROBERT BROOKS	36
	S23	02-22-25	PAUL RICHARD BAKER	39.98
	S24	05-06-08	JASON M FILLMORE	44.184
	S25	05-06-2.1	TRACI LYNN BROWN ET AL	2.21

Tracts	<u>District</u> Tax Map/Parcel	JB Tract #	Lessor, Grantor, etc.	Deed Book/Page	Acres
A	5-6-44	T3129T2	Donna A. Alexander, et al	400/418	105.50
В	5-6-1	RPT5	Traci Lynne Brown, et al	393/359	66.00
C	2-28-40	T5006	David E. Bowyer, et al	399/349	20.42
D	2-22-29&30	T3121	Sue Ann Putich, et al	375/820	116.00
Е	5-2-28	(RPT5 &) RPT7	Darla Dennis, et al	392/245	73.00

Detail A



AsDrilled Leg Proposed Leg





Jay Bee Oil & Gas DRILLING into the future

47-095-02796 API #: Gorby 4 WELL #: __ DISTRICT: McELROY COUNTY: TYLER STATE: __

WELL PLAT PAGE 2 OF 2

DATE: 05/02/2023

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 epotesta@jaybeeoil.com.

Sincerely,

Emily Potesta

Attached Addendum

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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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