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>02794</u> County	Tyler	District McElroy	s
Quad Shirley 7 1/2" Pad Nar	me Gorby	Field/Pool Name	
		Well Number 1	
Operator (as registered with the OOG) 24610			
	City Ellenboro	State WV	Zip 26346
Top holeNorthing 436Landing Point of CurveNorthing 436Bottom HoleNorthing 4361 2701 270	8582.26	Easting 517407.72 Easting 517249.61 Easting 517908.60	□Interim ■ Final
Permit Type Deviated Horizontal	Horizontal 6A 🗆 Ver	ical Depth Type	🗆 Deep 📕 Shallow
Type of Operation Convert Deepen	Drill 🗆 Plug Back 🗆	Redrilling	Stimulate
Well Type 🗆 Brine Disposal 🗆 CBM 🛢 Gas 🛢 G	Dil 🗆 Secondary Recovery	□ Solution Mining □ Sto	orage 🗆 Other
Type of Completion \Box Single I Multiple Flu Drilled with \Box Cable I Rotary Drilling Media Surface hole I Air \Box Mud \Box Production hole \Box Air I Mud \Box Fresh Water	Fresh Water Interme	Gas ■ NGL ■ Oil diate hole ■ Air □ Mud	Other Fresh Water Brine
Mud Type(s) and Additive(s) Synthetic Based Mud (SOBM), K-49 (Base	Oil), Barite, Anco Mul		Mul XL, Anco Mul Mod
Anco Mul OW Claytone 3, Lime, Calcium Cl	nloride Powder, Phalt S	, Mica, Cal-Carb	2
Date permit issued 7-21-2022 Date dril Date completion activities began 1-3-202		2-22 Date drilling c	
		on activities ceased1	n/a
	on granted n/a	Granted by	11/a
Please note: Operator is required to submit a pluggi	ng application within 5 day	rs of verbal permission to pl	ug
Freshwater depth(s) ft 215'	Open mine(s) (Y	//N) depths	Ν
Salt water depth(s) ft n/a		ered (Y/N) depths	Ν
Coal depth(s) ft n/a		ntered (Y/N) depths	Ν
Is coal being mined in area (Y/N)	1		Reviewed by:



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API 47-095 02794

Farm name_James Ira & Paulette M. Gorby_Well number_Gorby 1

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	20"	18.625"	30'	New	n/a	n/a	Grouted
Surface	17.5"	13.375"	376'	New	48# J-55	42	Yes
Coal							
Intermediate 1	11"	8.625"	2,509'	New	24# J-55	287'-2466'	Yes
Intermediate 2							
Intermediate 3							
Production	7.875"	5.5"	13,187'	New	20# P-110	n/a	Yes
Tubing							
Packer type and d	epth set	n/a			•	•	•

Comment Details Surface CTS with 20% OH excess / Intermediate 1 CTS with 30% OH excess / Production 300' from surface with 15 % OH excess

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	317	CTS	8 hours
Coal							
Intermediate 1	Class A	749	15.6	1.19	892	CTS	8 hours
Intermediate 2							
Intermediate 3							
Production	Class A	2,000	14.5	1.19	2,375	300'	8 hours
Tubing							
Drillers TD (ft Deepest forma Plug back pro	tion penetrated Marc	ellus		gers TD (ft) <u>13,</u> g back to (ft) <u>n/a</u>		Office	RECEIVED of Oil and Gas
Kick off depth Check all wire		-	•	deviated/directi gamma ray			epartment of ental Protection c
Well cored	Yes 🖪 No	Conventional	Sidewall	W	ere cuttings co	llected ■ Yes	No No
	HE CENTRALIZE			CH CASING S	TRING		
	wery 500% horizontail and curve cer v spring centralizers ran every		every 84'				
	ng centralizing basket ran on 2		t				
WAS WELL C	COMPLETED AS S	HOT HOLE	Yes 🛯 No	DETAILS			
WAS WELL C	COMPLETED OPE	N HOLE? DY	es 🖪 No	DETAILS			
WERE TRAC	ERS USED 🗆 Yes	s 🖩 No TY	PE OF TRACE	ER(S) USED			

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API 47-095 _ 02794

Farm name_James Ira & Paulette M. Gorby Well number_Gorby 1

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
1	1-3-23	13150	13020	72	MARCELLUS
2	1-3-23	12945	12774	72	MARCELLUS
3	1-3-23	12719	12566	72	MARCELLUS
4	1-3-23	12520	12354	72	MARCELLUS
5	1-4-23	12295	12114	72	MARCELLUS
6	1-4-23	12068	11910	72	MARCELLUS
7	1-5-23	11858	11682	72	MARCELLUS
8	1-5-23	11638	11470	72	MARCELLUS
9	1-5-23	11420	11258	72	MARCELLUS
10	1-5-23	11208	11046	72	MARCELLUS
11	1-6-23	11000	10830	72	MARCELLUS
12	1-6-23	10805	10552	72	MARCELLUS
13	1-6-23	10502	10342	72	MARCELLUS
14	1-7-23	10294	10120	72	MARCELLUS
15	1-7-23	10041	9860	72	MARCELLUS
16	1-7-23	9787	9630	72	MARCELLUS

PERFORATION RECORD

Please insert additional pages as applicable.

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Complete a separate record for each stimulation stage.

Compl	ete a separate		W	Department of				
Stage	Stimulations	Ave Pump	Ave Treatment	Max Breakdown		Amount of	Amount of	nmental Routestion
No.	Date	Rate (BPM)	Pressure (PSI)	Pressure (PSI)	ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other (units)
1	1-3-23	70.3	7275	6471	4246	237707	8524	N/A
2	1-3-23	70.3	6640	7136	4529	257945	8592	N/A
3	1-3-23	70.1	6456	6500	5096	260726	8598	N/A
4	1-4-23	70	6387	6030	4892	259982	8348	N/A
5	1-4-23	70	6324	6604	4876	261269	8366	N/A
6	1-4-23	70.1	6404	6089	5066	259982	8296	N/A
7	1-5-23	70	6451	6120	4641	260873	8356	N/A
8	1-5-23	70	6446	6104	4884	262366	8366	N/A
9	1-5-23	69.9	6256	5909	4937	259935	8277	N/A
10	1-6-23	70	6410	5983	4368	253605	8201	N/A
11	1-6-23	69.9	6341	6067	4024	260083	8342	N/A
12	1-6-23	70	6267	5661	4694	260528	8259	N/A
13	1-6-23	69.9	6165	6294	4456	260741	8222	N/A
14	1-7-23	70	6161	5852	4739	261196	8314	N/A
15	1-7-23	70.2	6393	6937	4982	260668	8274	N/A
16	1-7-23	70	6349	7332	4845	260533	8208	N/A

STIMULATION INFORMATION PER STAGE

Please insert additional pages as applicable.

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Farm name_James Ira & Paulette M. Gorby __Well number_Gorby 1

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	1-8-23	9587	9426	72	MARCELLUS
18	1-8-23	9376	9194	72	MARCELLUS
19	1-8-23	9152	8946	72	MARCELLUS
20	1-8-23	8891	8726	72	MARCELLUS
21	1-9-23	8685	8514	72	MARCELLUS
22	1-9-23	8456	8276	72	MARCELLUS
23	1-9-23	8217	8031	72	MARCELLUS
24	1-10-23	7982	7801	72	MARCELLUS
25	1-10-23	7732	7574	72	MARCELLUS
26	1-10-23	7534	7306	72	MARCELLUS
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					Office of Oil and Gas

PERFORATION RECORD

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

WV Department of Environmental Protection

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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	1-8-23	70.1	8277	5574	5045	260932	8277	N/A
18	1-8-23	69.8	8276	6177	5059	260693	8276	N/A
19	1-8-23	69.8	6401	7027	5276	260270	8155	N/A
20	1-9-23	69.7	6219	5830	4772	260929	8211	N/A
21	1-9-23	69.9	6235	6603	4754	261083	8256	N/A
22	1-9-23	69.9	6101	6165	5099	261148	8165	N/A
23	1-10-23	69.8	6109	6032	4955	261129	8180	N/A
24	1-10-23	69.9	5940	6078	4861	280572	8177	N/A
25	1-10-23	69.9	6023	6417	5081	260647	8216	N/A
26	1-10-23	70	5881	6197	4964	261413	8120	N/A

Please insert additional pages as applicable.



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Rev. 8/23/13

API 47- 095	_ 02794	Farm r	_{name} James Ir	ra & Pau	lette M. Go	rby Well numbe	r 1 Gorby 1			
PRODUCING	FORMATION(S	<u>5)</u>	DEPTHS							
Marcellus Shale	(landing point)	(6,916'	TVD	7,386'	MD				
Marcellus Shale	(bottom hole)		6,958'		13,237'					
Please insert ad	ditional pages as	s applicable.								
GAS TEST	GAS TEST Den Build up Drawdown Open Flow OIL TEST Flow Pump									
SHUT-IN PRE	SSURE Surfa	ace 2,641	_psi Botto	m Hole 2,	641 psi	DURATION	OF TEST 24 hrs			
OPEN FLOW Gas Oil NGL Water GAS MEASURED BY 6072.2 mcfpd 48 bpd 0 bpd 288 bpd □ Estimated I Orifice □ Pilot										
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH IN MD	FT DESCRI) RECORD QUANTITY AND TER, BRINE, OIL, GAS, H₂S, ETC)			
SEE ATTACHED	0		0			SEE	ATTACHED			
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							MAY 2 4 2023			
							WV Department of			
							Environmental Protection			
Please insert ad	ditional pages a	s applicable.								
	ctor Falcon Drilli									
Address 102 Bro	oadway Street, Suit	e 300	City	Carnegie		State PA	Zip15106			
Logging Comp Address 116 Ell	any Stratagraph sworth Ave.	NE Inc	City	Marietta		State OH	Zip45750			
Cementing Con	npany American	Cementing								
Address 1213 S	tonecreek Road		City	New Philic	delphia	State OH	Zip_ 44663			
Stimulating Con	mpany Cal-Fra	с								
	00-407-8 Ave. Sout		City	Calgary		State Alber	taZipT2P 1E5			
Please insert ad	ditional pages as	s applicable.								
Completed by		fil		Potesto		one (740) 885-963	5			
Signature	ndrew N	eill	Title Dr	rilling & Con	npletions Manag	ger Date	4/20/2023			

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

WR-35 FORMATION DATA

	-			
PAD-WELL	Gorby 1			
ELEVATION	1279			
PERMIT	47-095-02794			
	TOP TVD	BOTTOM TVD		
Carroll Sand	370	390		
Murphy Sand	490	499		
• • • • • • • • • • • • • • • • • • • •				
1st Cow Run Sand	597	635		
TSE COW RUN Sanu	39/	055		
Little Dunkard Sand	733	750		
Dunkard Sand	832	849		
	0.52	345	+	
			·	<u> </u>
sandstone	947	961		
2nd Cow Run Sand	1004	1042		1
	†			1
Can Sand				
Gas Sand	1411	1426		
1st Salt	1469	1498		
2nd Salt	1615	1705		
Znd Sait	1012	1/05		
3rd Salt	1877	1930		
Maxon	2112	2120		
IVIGAUII	2112	2120		-
Big Lime	2163	2225		
Big Injun	2240	2423		
- 0 - 7				
	0704	0707		
Berea	2784	2787		
Gordon	3017	3032		
				1
Fifth	3227	3235		
	5227	3235		
Warren	3693	3743		
			1	
Riley	4883	4917		
Panaan				<u> </u>
Benson	5240	5242		
Alexander	5573	5623		
Hamilton	5866	6507		
	5000	0.07		+····
Upper Marcellus (Geneseo)	6810	6840		
Purcell (Tully Lm)	6840	6844		
	1			
Marcellus	6000		c1	
Marcellus	6889		Show gas	
Cherry Valley				
Onondaga		· · · · · · · · · · · · · · · · · · ·		
znonuaga	L			l

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Hydraulic Fracturing Fluid Product Component Information Disclosure

1/3/2023	Job Start Date:
1/11/2023	Job End Date:
West Virginia	State:
Tyler	County:
47-095-02794-00-00	API Number:
Jay-Bee Oil & Gas, Inc.	Operator Name:
Gorby 1	Well Name and Number:
39.46754770	Latitude:
-80.79762970	Longitude:
NAD83	Datum:
NO	Federal Well:
NO	Indian Well:
6,934	True Vertical Depth:
9,279,940	Total Base Water Volume (gal):
0	Total Base Non Water Volume:







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					
			Wate WAY	7732-18-5	100.00000	91.68853	
DynaScale™ 3511	CWS	Scale Inhibitor	EIVED Oil and 2 4 2 9 Partme ental Pr				
			Gas ()23 Int of otection	Listed Below			

Hydrochloric Acid	cws	Clean Perforations					
				Listed Below			
DynaRate™ 6459	CWS	Friction Reducer					
				Listed Below			
USB-123	CWS	Microbiocide					
				Listed Below			
CalGuard™ 9100	cws	Corrosion Inhibitor					
				Listed Below			
Sand (Proppant)	CWS	Propping Agent					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					
				Listed Below			
Items above are Tra	ide Names with the	exception of Base Wa	ater . Items below are the indiv	/idual ingredients.			
			Crystalline silica (Quartz)	14808-60-7	100.00000	7.98824	
			Hydrochloric acid	7647-01-0	37.00000	0.20918	
	6.4.6.29.6.9	S. In Market S. M.	Calcite	471-34-1	1.00000	0.04292	
	Ē	Off	Illite	12173-60-3	1.00000	0.03696	
	W	RE	Apatite	64476-38-6	0.10000	0.00799	
	Der	2 OII	Biotite	1302-27-8	0.10000	0.00799	
	ntal	ED and 4 2	Goethite	1310-14-1	0.10000	0.00799	
	v Depariment c onmental Prote	Gas 023	Ilmenite	98072-94-7	0.10000	0.00370	
	ction		Glutaraldehyde	111-30-8	14.00000	0.00339	

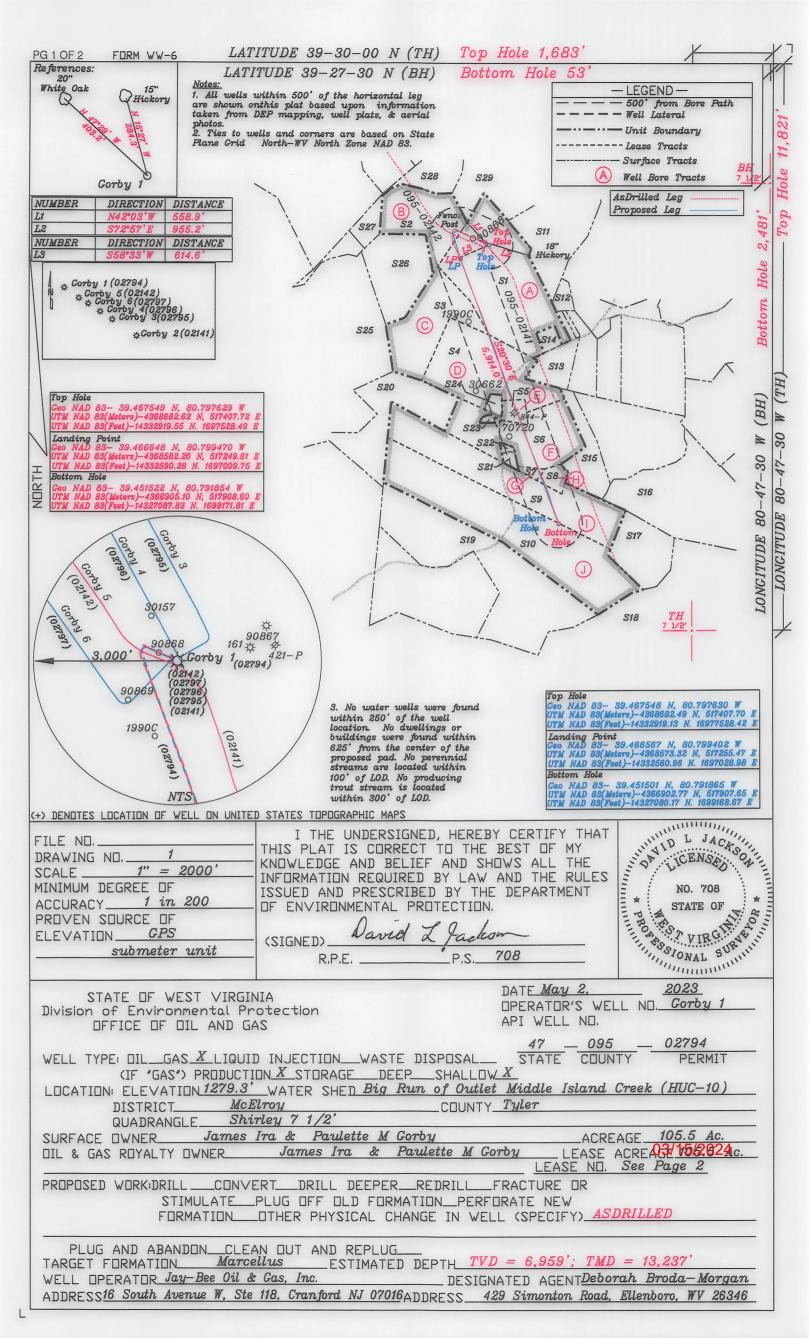
	Alkyl dimethyl benzyl ammonium chloride	68424-85-1	3.00000	0.00073	
	Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00073	
	Ethanol	64-17-5	3.00000	0.00073	
	Ethylene Glycol	107-21-1	40.00000	0.00028	
	Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00014	
	Distillates (petroleum), hydrotreated light	64742-47-8	3.00000	0.00010	
	Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00010	
	Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00007	
	Ethoxylated Alcohols	68131-39-5	10.00000	0.00007	
	Formic acid	64-18-6	10.00000	0.00007	
	Cinnamaldehyde	104-55-2	10.00000	0.00007	
	Isopropyl alcohol	67-63-0	5.00000	0.00003	
	Inorganic Acid Salt	Proprietary			Proprietary CAS & Additive Concentration
	Organic Acid Ether	Proprietary			Proprietary CAS & Additive Concentration
	Proprietary Polymer 1	Proprietary			Proprietary CAS & Additive Concentration
	Inorganic 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)

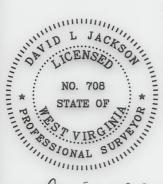
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Tags	Number	Tax Map -Parcel	Surface Owner	Acres
А	\$1	05-06-44	JAMES IRA & PAULETTE M GORBY	105.5
В	S2	05-05-21	LARRY SHAWN CAINE	41.62
С	S3	05-05-19	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	52
D	S4	05-05-18	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	87.1
E	S5	p/o 05-05-18 & p/o 05-06-42	DANIEL L HADLEY	5.52
F	S6	05-06-42	JIMMIE L & RHEA K IRREVOCABLE TRUST	29.551
G	S7	05-06-42.3	RICHARD C WARNER	2.02
Н	S8	05-06-42.5	RICHARD C WARNER	5.38
I	S9	05-06-40	ANTHONY ANDREW & AMY JO HAUGHT	93
J	S10	05-06-41	DONALD J & JUDITH A LISBY	115
	S11	05-06-02	RANDALL J BRODA TRUSTEE RANDALL J BRODA FAMILY TR II	54.29
	S12	05-06-47	JAMES IRA & PAULETTE M GORBY	16.73
	S13	05-06-46	JAMES IRA & Y PAULETTE M GORBY	18.74
	S14	05-06-45	JAMES I & PAULETTE M GORBY	4
	S15	05-06-39	COASTAL FOREST RESOURCES CO d/b/a COASTAL TIMBERLANDS CO	23
	S16	05-06-37	F M WHITE HRS & ELIJAH SPENCER ET AL & SYLVESTER WHITE HRS & LINDA LOU HOOVER	108
	S17	05-11-02	KATHY ANN ET AL SEAGO	32.25
	S18	05-11-03	COASTAL FOREST RESOURCES CO	119
	S19	05-11-49	JUDY NICHOLS (LIFE ESTATE) & MARK L NICHOLS & MITCHELL B NICHOLS	133.71
	S20	05-05-17	BRIAN K & KATHRYN A HAYDEN	61.73
	S21	05-06-42.2	RICHARD C WARNER	1.925
	S22	05-06-42.4	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	1.055
	S23	05-06-43	JAMES D & MARSHA L DOTSON	1.2
	S24	05-06-54	MICHELLE DENISE HADLEY	2.899
	S25	05-05-16	LAURA L GARGASZ	90.13
	S26	05-05-20	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	49.88
	S27	02-28-41	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	10.66
	S28	02-28-40	WSD PROPERTIES LLC	20.42
	S29	05-06-01	TRACI LYNN BROWN ET AL	66

Tracts	<u>District</u> <u>Tax Map/Parcel</u>	JBTract #	Lessor, Grantor, etc.	Deed Book/Page	Acres
A	5-6-44	T3129T2	Donna A. Alexander, et al	400/418	105.50
В	5-5-21	T3125	Peggy Barnes, et al	446/499	41.62
C	5-5-19	T3127C	Larry Shawn Caine, et al	373/54	52.00
D	5-5-18	T3127B	Larry Shawn Caine, et al	373/54	87.10
Е	p/o 05-05-18 & p/o 05-06-42	(p/o T3127B &) p/o FOUT T34	Susan Jean Ash, et al	461/143	5.52
F	5-6-42	FOUT T34	Susan Jean Ash, et al	461/143	29.55
G	5-6-42.3	FOUT T34	Susan Jean Ash, et al	461/143	2.02
H	5-6-42.5	FOUT T34	Susan Jean Ash, et al	461/143	5.38
I	5-6-40	T1-03	Donna A. Alexander, et al	392/332	93.00
J	5-6-41	T1-03	Donna A. Alexander, et al	392/332	115.00



David I Jackson P.S. 708

C.C.

4		03/15/2024
Jay Bee Oil & Gas DRILLING into the future	API #: 47-095-02794 WELL #: Gorby 1 DISTRICT: MCELROY COUNTY: TYLER STATE: WV	WELL PLAT PAGE 2 OF 2 DATE: 05/02/2023

form ww6

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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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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