

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

API 47-095-02797 County Tyler District McElroy  
Quad Shirley 7 1/2" Pad Name Gorby Field/Pool Name \_\_\_\_\_  
Farm name James Ira & Paulette M. Gorby Well Number 6  
Operator (as registered with the OOG) 24610  
Address 429 Simonton Road City Ellenboro State WV Zip 26346

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4368677.77 Easting 517415.38  
Landing Point of Curve Northing 4368515.35 Easting 516989.61  
Bottom Hole Northing 4369732.20 Easting 516081.86

Elevation (ft) 1,279' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
Synthetic Based Mud (SOBM), K-49 (Base Oil), Barite, Anco Mul P, Anco Mul OW, Anco Mul XL, Anco Mul Mod  
Anco Mul OW Claytone 3, Lime, Calcium Chloride Powder, Phalt S, Mica, Cal-Carb

Date permit issued 7-21-2022 Date drilling commenced 8-24-2022 Date drilling ceased 11-8-2022  
Date completion activities began 1-9-2023 Date completion activities ceased 1-18-2023  
Verbal plugging (Y/N) N Date permission granted n/a Granted by n/a

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 215' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft n/a Void(s) encountered (Y/N) depths N  
Coal depth(s) ft n/a Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: Joe McElroy  
**APPROVED**  
03/15/2024  
Q-2023

API 47- 095 - 02797 Farm name James Ira & Paulette M. Gorby Well number 6

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	24"	18.625"	30'	New	n/a	n/a	Grouted
Surface	17.5"	13.375"	341'	New	48# J-55	42	Yes
Coal							
Intermediate 1	11"	8.625"	2,469'	New	24# J-55	2,427'-247'	Yes
Intermediate 2							
Intermediate 3							
Production	7.875"	5.5"	12,470'	New	20# P-110	n/a	Yes
Tubing							
Packer type and depth 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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	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	724	15.6	1.19	859	CTS	8 hours
Intermediate 2							
Intermediate 3							
Production	Class A	1,883	14.5	1.19	2,234	300'	8 hours
Tubing							

Drillers TD (ft) 12,484' Loggers TD (ft) 12,484' RECEIVED  
 Deepest formation penetrated Marcellus Plug back to (ft) n/a Office of Oil and Gas  
 Plug back procedure n/a MAY 24 2023

Kick off depth (ft) 6,516' WV Department of Environmental Protection

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic


Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_  
5.5" vertical centralizers every 500' horizontal and curve centralizers every other joint or one every 84'  
8.625" int. casing bow spring centralizers ran every 400'  
13.375" surface casing centralizing basket ran on 2nd joint and 2nd to last joint

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

03/15/2024 

API 47- 095 - 02797 Farm name James Ira & Paulette M. Gorby Well number Gorby 6

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	1-9-23	12433	12289	72	MARCELLUS
2	1-11-23	12242	12080	72	MARCELLUS
3	1-11-23	12034	11866	72	MARCELLUS
4	1-11-23	11799	11634	72	MARCELLUS
5	1-12-23	11584	11424	72	MARCELLUS
6	1-13-23	11358	11182	72	MARCELLUS
7	1-13-23	11134	10950	72	MARCELLUS
8	1-13-23	10900	10732	72	MARCELLUS
9	1-14-23	10686	10494	72	MARCELLUS
10	1-14-23	10454	10286	72	MARCELLUS
11	1-14-23	10236	10086	72	MARCELLUS
12	1-15-23	10030	9860	72	MARCELLUS
13	1-15-23	9758	9600	72	MARCELLUS
14	1-15-23	9544	9386	72	MARCELLUS
15	1-15-23	9335	9168	72	MARCELLUS
16	1-16-23	9110	8952	72	MARCELLUS

Please insert additional pages as applicable.

RECEIVED  
Office of Oil and Gas

STIMULATION INFORMATION PER STAGE

MAY 24 2023

Complete a separate record for each stimulation stage.

WV Department of  
Environmental Protection

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)
1	1-9-23	70.2	6629	5762	4727	242436	8171	N/A
2	1-11-23	69.8	6455	6445	4916	260482	8433	N/A
3	1-11-23	69.7	6322	6460	4961	261129	8319	N/A
4	1-11-23	69.7	6404	6380	4946	261443	8262	N/A
5	1-12-23	69.8	6418	6305	4960	260934	8093	N/A
6	1-13-23	70	6310	6624	4884	261051	8311	N/A
7	1-13-23	69.9	6276	6251	4694	260032	7858	N/A
8	1-14-23	69.9	6210	5989	4892	259565	7967	N/A
9	1-14-23	69.9	6189	6748	4888	260572	8270	N/A
10	1-14-23	69.8	6278	5929	4847	260258	8080	N/A
11	1-15-23	69.8	6281	5972	5045	259952	7953	N/A
12	1-15-23	69.9	6129	6476	5024	261226	8259	N/A
13	1-15-23	69.9	6186	6276	5033	261113	8114	N/A
14	1-15-23	69.8	6199	6497	4847	260435	7888	N/A
15	1-16-23	69.8	6125	6230	4487	261392	8076	N/A
16	1-16-23	69.5	6084	6068	4576	262349	8081	N/A

Please insert additional pages as applicable.

03/15/2024 







**WR-35 FORMATION DATA**

<b>PAD-WELL</b>	<b>Gorby 6</b>		
<b>ELEVATION</b>	<b>1279</b>		
<b>PERMIT</b>	<b>47- 95-02797</b>		
	<b>TOP TVD</b>	<b>BOTTOM TVD</b>	
<b>Carroll Sand</b>	415	451	
<b>Murphy Sand</b>	495	506	
<b>1st Cow Run Sand</b>	607	645	
<b>Little Dunkard Sand</b>	768	814	
<b>Dunkard Sand</b>	835	862	
<b>sandstone</b>	957	969	
<b>2nd Cow Run Sand</b>	1016	1043	
<b>Gas Sand</b>	1426	1444	
<b>1st Salt</b>	1489	1517	
<b>2nd Salt</b>	1640	1691	
<b>3rd Salt</b>	1807	1857	
<b>Maxon</b>	2135	2157	
<b>Big Lime</b>	2172	2229	
<b>Big Injun</b>	2248	2435	
<b>Berea</b>	2794	2798	
<b>Gordon</b>	3025	3045	
<b>Fifth</b>	3237	3244	
<b>Warren</b>	3707	3750	
<b>Riley</b>	4674	4695	
<b>Benson</b>	5341	5345	
<b>Alexander</b>	5582	5634	
<b>Hamilton</b>	5850	6208	
<b>Upper Marcellus (Geneseo)</b>	6820	6849	
<b>Purcell (Tully Lm)</b>	6849	6854	
<b>Marcellus</b>	6898	Show gas	
<b>Cherry Valley</b>	6913		

RECEIVED  
Office of Oil and Gas

MAY 24 2023

WV Department of  
Environmental Protection

03/15/2024



# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/11/2023
Job End Date:	1/18/2023
State:	West Virginia
County:	Tyler
API Number:	47-095-02797-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	Gorby 6
Latitude:	39.46750300
Longitude:	-80.79754000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,886
Total Base Water Volume (gal):	8,040,945
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	91.50591	
Hydrochloric Acid	CWS	Clean Perforations	Water				
				Listed Below			

RECEIVED  
 Office of Oil and Gas  
 WV Department of  
 Environmental Protection  
 MAY 24 2023





Sand (Proppant)	CWS	Propping Agent					
				Listed Below			
USB-123	CWS	Microbiocide					
				Listed Below			
CalGuard™ 9100	CWS	Corrosion Inhibitor					
				Listed Below			
DynaRate™ 6459	CWS	Friction Reducer					
				Listed Below			
DynaScale™ 3511	CWS	Scale Inhibitor					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Crystalline silica (Quartz)	14808-60-7	100.00000	8.16566	
			Hydrochloric acid	7647-01-0	37.00000	0.21203	
			Calcite	471-34-1	1.00000	0.04380	
			Illite	12173-60-3	1.00000	0.03785	
			Goethite	1310-14-1	0.10000	0.00817	
			Apatite	64476-38-6	0.10000	0.00817	
			Biotite	1302-27-8	0.10000	0.00817	
			Ilmenite	98072-94-7	0.10000	0.00379	
			Glutaraldehyde	111-30-8	14.00000	0.00338	

RECEIVED  
 Office of Oil and Gas  
 MAY 24 2023  
 WV Department of  
 Environmental Protection



			Ethanol	64-17-5	3.00000	0.00072	
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00072	
			Alkyl dimethyl benzyl ammonium chloride	68424-85-1	3.00000	0.00072	
			Ethylene Glycol	107-21-1	40.00000	0.00027	
			Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00013	
			Distillates (petroleum), hydrotreated light	64742-47-8	3.00000	0.00010	
			Ammonium chloride ((NH <sub>4</sub> )Cl)	12125-02-9	5.00000	0.00010	
			Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00007	
			Formic acid	64-18-6	10.00000	0.00007	
			Cinnamaldehyde	104-55-2	10.00000	0.00007	
			Ethoxylated Alcohols	68131-39-5	10.00000	0.00007	
			Isopropyl alcohol	67-63-0	5.00000	0.00003	
			Inorganic Salt	Proprietary			Proprietary CAS & Additive Concentration
			Inorganic Acid Salt	Proprietary			Proprietary CAS & Additive Concentration
			Proprietary Polymer 1	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

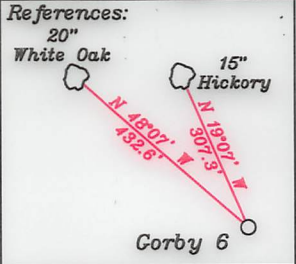
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

\*\*\* 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)

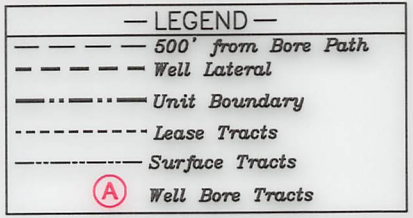
RECEIVED  
Office of Oil and Gas  
MAY 24 2023  
WV Department of  
Environmental Protection



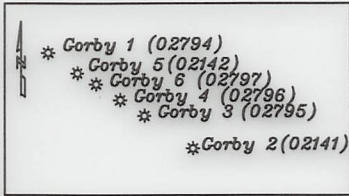
LATITUDE 39-30-00 N (BH)

Notes:  
1. All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.  
2. Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

NUMBER	DIRECTION	DISTANCE
L1	N42°47'W	587.7'
L2	S73°28'E	926.7'



NUMBER	DIRECTION	DISTANCE
L3	S70°05'W	1,495.6'

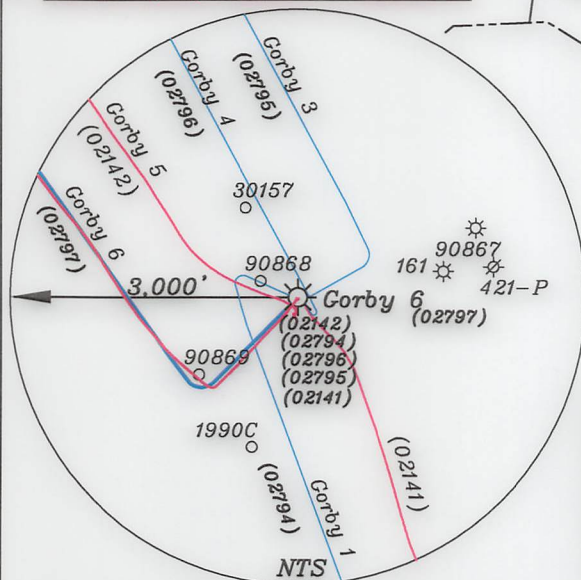


**Top Hole**  
Geo NAD 83- 39.467505 N, 80.797540 W  
UTM NAD 83(Meters)-4368677.77 N, 517415.38 E  
UTM NAD 83(Feet)-14332903.65 N, 1697553.62 E

**Landing Point**  
Geo NAD 83- 39.466050 N, 80.802494 W  
UTM NAD 83(Meters)-4368515.35 N, 516989.61 E  
UTM NAD 83(Feet)-14332370.77 N, 1696156.77 E

**Bottom Hole**  
Geo NAD 83- 39.477032 N, 80.813018 W  
UTM NAD 83(Meters)-4369732.20 N, 516081.86 E  
UTM NAD 83(Feet)-14336363.04 N, 1693178.56 E

NORTH



3. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the proposed pad. No perennial streams are located within 100' of LOD. No producing trout stream is located within 300' of LOD.

**Top Hole**  
Geo NAD 83- 39.467504 N, 80.797540 W  
UTM NAD 83(Meters)-4368677.63 N, 517415.44 E  
UTM NAD 83(Feet)-14332903.18 N, 1697553.82 E

**Landing Point**  
Geo NAD 83- 39.465958 N, 80.802481 W  
UTM NAD 83(Meters)-4368505.17 N, 516990.74 E  
UTM NAD 83(Feet)-14332337.38 N, 1696160.46 E

**Bottom Hole**  
Geo NAD 83- 39.477076 N, 80.812957 W  
UTM NAD 83(Meters)-4369737.14 N, 516087.08 E  
UTM NAD 83(Feet)-14336379.26 N, 1693195.70 E

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. 1  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION GPS  
submeter unit

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) David L Jackson  
R.P.E. \_\_\_\_\_ P.S. 708



STATE OF WEST VIRGINIA  
Division of Environmental Protection  
OFFICE OF OIL AND GAS

DATE May 02, 2023  
OPERATOR'S WELL NO. Corby 6  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL \_\_\_\_\_ STATE COUNTY PERMIT  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 1,279.4' WATER SHED Big Run of Outlet Middle Island Creek (HUC-10)  
DISTRICT McElroy COUNTY Tyler  
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER James Ira & Paulette M Gorby ACREAGE 105.5 Ac.  
OIL & GAS ROYALTY OWNER James Ira & Paulette M Gorby LEASE ACREAGE 105.5 Ac.  
LEASE NO. See Page 2

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 6,909'; TMD = 12,484'  
WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Deborah Broda-Morgan  
ADDRESS 16 South Avenue W, Ste 118, Cranford NJ 07016 ADDRESS 429 Simonton Road, Ellenboro, WV 26346

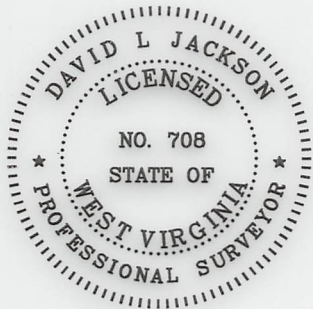
LONGITUDE 80-47-30 W (BH) LONGITUDE 80-47-30 W (TH) LONGITUDE 80-47-30 W (TH) LONGITUDE 80-47-30 W (TH)

03/15/2024



Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-06-44	JAMES IRA & PAULETTE M GORBY	105.5
B	S2	05-05-19	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	52
C	S3	05-05-20	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	49.88
D	S4	05-05-21	LARRY SHAWN CAINE	41.62
E	S5	02-28-41	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	10.66
F	S6	02-28-38	BOYD W WEEKLEY	113.89
G	S7	02-22-32	RICHARD GRODSKY & DAVID LANGWORTHY & ROBERT BROOKS	53
	S8	05-05-18	JIMMIE L & RHEA K HADLEY IRREVOCABLE TRUST	87.1
	S9	05-05-17	BRIAN K & KATHRYN A HAYDEN	61.73
	S10	05-05-16	LAURA L GARGASZ	90.13
	S11	02-28-37	JULIA A SMITH	15
	S12	02-28-36	JIM & SANDRA F YOUNG	46.5
	S13	02-22-33	WILMA WEEKLEY	65.75
	S14	02-22-23	ANTHONY B PARR	17
	S15	02-22-24	RUTH WEEKLEY EST	19.5
	S16	02-22-25	PAUL RICHARD BAKER	39.98
	S17	02-22-31	RICHARD GRODSKY & DAVID LONGWORTHY & ROBERT BROOKS	36
	S18	02-22-29 & 30	WSD PROPERTIES LLC	116
	S19	02-28-40	WSD PROPERTIES LLC	20.42
	S20	05-06-01	TRACI LYNN BROWN ET AL	66
	S21	05-06-02	RANDALL J BRODA TRUSTEE RANDALL J BRODA FAMILY TR II	54.29
	S22	05-06-47	JAMES IRA & PAULETTE M GORBY	16.73
	S23	05-06-46	JAMES IRA & PAULETTE M GORBY	18.74
	S24	05-06-45	JAMES I & PAULETTE M GORBY	4

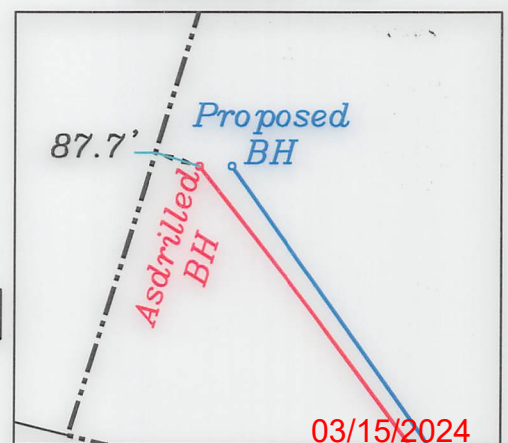
Tracts	District Tax Map/Parcel	JB Tract #	Lessor, Grantor, etc.	Deed Book/Page	Acres
A	5-6-44	T3129T2	Donna A. Alexander, et al	400/418	105.50
B	5-5-19	T3127C	Larry Shawn Caine, et al	373/54	52.00
C	5-5-20	T3127D	Larry Shawn Caine, et al	373/54	49.88
D	5-5-21	T3125	Peggy Barnes, et al	446/499	41.62
E	2-28-41	T3126B	Collingwood Appalachian Minerals I, LLC, et al	369/300	10.66
F	2-28-38	T3124-T16	Beulah Adams, et al	405/820	113.89
G	2-22-32	T3123	Beulah Adams, et al	409/31	53.00



P.S. 708

David L Jackson

Detail A



AsDrilled Leg .....  
Proposed Leg ———

API #: 47-095-02797  
WELL #: Gorby 6  
DISTRICT: McELROY  
COUNTY: TYLER  
STATE: WV

WELL PLAT  
PAGE 2 OF 2  
DATE: 05/02/2023



Jay Bee Oil & Gas

DRILLING into the future





## 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 57<sup>th</sup> 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](mailto:epotesta@jaybeeoil.com).

Sincerely,

Emily Potesta

*Attached Addendum*

RECEIVED  
Office of Oil and Gas

MAY 24 2023

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.

RECEIVED  
Office of Oil and Gas

MAY 24 2023

WV Department of  
Environmental Protection