

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

API 47 - 095 - 02142 County Tyler District McElroy
Quad Shirley Pad Name Gorby Field/Pool Name _____
Farm name Gorby Well Number Gorby 5
Operator (as registered with the OOG) Jay-Bee Oil & Gas, Inc.
Address 3570 Shields Hill Rd. City Cairo State WV Zip 26337

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,368,697.71 Easting 517,411.52
Landing Point of Curve Northing 4,368,831.21 Easting 517,061.54
Bottom Hole Northing 4,370,079.45 Easting 516,182.59

Elevation (ft) 1276 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)
ABS 40 (Aliphatic Base System)

Date permit issued 5/23/2014 Date drilling commenced 10/13/14 Date drilling ceased 11/4/2014
Date completion activities began 12/18/14 Date completion activities ceased 2/1/15
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 N/A 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

APPROVED Office of Oil & Gas
OCT 07 2015
NAME: Justin Snyder [Signature]
DATE: 6/7/16
Reviewed by: AX 0064/16 2016

API 47-095 - 02142 Farm name Gorby Well number Gorby 5

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	17"	16"	30'	New	20/32/24		Y
Surface	15"	11 3/4"	578'	New	20/23/24	50'	Y
Coal							
Intermediate 1	11"	8 5/8"	2425'	New	20/17/24	1500'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5 1/2"	12949'	New	20		Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	Class A	315	15.2	1.36	275	CTS	8
Coal							
Intermediate 1	Class A	640	14.7	1.42	611	CTS	8
Intermediate 2							
Intermediate 3							
Production	Class A	1673	14.4	1.32	2210	217' from surface	8
Tubing							

Drillers TD (ft) 12970 Loggers TD (ft) 12970
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6240

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 Spiral centralizer every joint from TD back to start of 90 degree.
90 - 70 degree every second joint.
70 degree - KOP every third joint.
KOP - Surface centralizer placed every 500'.

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 _____

API 47- 095 - 02142

Farm name Gorby

Well number Gorby 5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	12/13/14	12942	12790	96	Marcellus
2	1/18/15	12755	12574	72	Marcellus
3	1/19/15	12539	12390	72	Marcellus
4	1/19/15	12355	12188	72	Marcellus
5	1/19/15	12153	11994	72	Marcellus
6	1/19/15	11959	11792	72	Marcellus
7	1/20/15	11757	11586	72	Marcellus
8	1/20/15	11551	11408	72	Marcellus
9	1/20/15	11373	11194	72	Marcellus
10	1/20/15	11159	11000	72	Marcellus
11	1/21/15	10965	10790	72	Marcellus
12	1/21/15	10755	10594	72	Marcellus
13	1/21/15	10559	10356	72	Marcellus
14	1/22/15	10321	10172	72	Marcellus
15	1/22/15	10130	9962	72	Marcellus
16	1/22/15	9912	9752	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)
1	1/18/15	72.4	6378	7100	3767	179618	7052	N/A
2	1/18/15	71.2	6618	6962	3373	177915	7634	N/A
3	1/19/15	71.2	6454	6694	4064	181708	6821	N/A
4	1/19/15	70.3	6591	6878	4103	180269	6754	N/A
5	1/19/15	71.6	6508	6744	4285	182073	6429	N/A
6	1/19/15	71.2	6367	6648	4100	182960	6548	N/A
7	1/20/15	71.7	6317	6885	4444	180014	6470	N/A
8	1/20/15	69.7	6396	6613	4147	180711	6612	N/A
9	1/20/15	70.8	6503	6792	4392	180859	7493	N/A
10	1/20/15	71.7	6567	7089	4241	179137	6491	N/A
11	1/21/15	70.3	6469	6691	4525	185072	6734	N/A
12	1/21/15	70.1	6418	6935	4230	182258	6605	N/A
13	1/21/15	70.1	6414	7105	4326	169633	6678	N/A
14	1/22/15	70.8	6356	7123	4314	178800	6620	N/A
15	1/22/15	72.1	6346	6639	4744	181026	6702	N/A
16	1/22/15	73.4	6342	6671	4758	180947	6518	Received

Please insert additional pages as applicable.

Office of Oil & Gas

OCT 07 2015

06/17/2016

API 47-095 - 02142 Farm name Gorby Well number Gorby 5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	1/23/15	9718	9574	72	Marcellus
18	1/23/15	9506	9362	72	Marcellus
19	1/23/15	9314	9116	72	Marcellus
20	1/23/15	9056	8896	72	Marcellus
21	1/24/15	8856	8684	72	Marcellus
22	1/24/15	8647	8496	72	Marcellus
23	1/24/15	8436	8292	72	Marcellus
24	1/24/15	8247	8060	72	Marcellus
25	1/25/15	8028	7872	72	Marcellus
26	1/25/15	7836	7662	72	Marcellus
27	1/25/15	7616	7466	72	Marcellus
28	1/25/15	7414	7242	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	1/23/15	73.3	6379	6718	4287	180883	6501	N/A
18	1/23/15	74.8	6313	6696	4591	182287	6415	N/A
19	1/23/15	74.6	6336	7114	3929	183577	6532	N/A
20	1/23/15	74.3	6311	6997	4797	182078	6272	N/A
21	1/24/15	74.3	6266	6414	4764	181095	6394	N/A
22	1/24/15	73.2	6373	6911	5193	181663	6470	N/A
23	1/24/15	74.1	6324	6710	4530	181276	6495	N/A
24	1/24/15	74.1	6234	6700	4511	180810	6453	N/A
25	1/25/15	74.1	6126	6475	4873	180728	5966	N/A
26	1/25/15	74.1	6232	6443	4439	180766	5590	N/A
27	1/25/15	73.8	6353	6698	4186	183721	5664	N/A
28	1/25/15	73.4	6108	6638	4895	179081	4517	N/A

Please insert additional pages as applicable.

Received
Office of Oil & Gas
OCT 07 2015

06/17/2016

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PRODUCING FORMATION(S)	DEPTHS		
Marcellus	7000	TVD	12970 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1600 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5,900 mcfd Oil _____ bpd NGL 50 bpd Water 200 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
See Attached.	0		0		

Please insert additional pages as applicable.

Drilling Contractor Horizontal Well Drillers
Address 2915 SH 74 South City Purcell State OK Zip 73080

Logging Company Precise Well Analysis
Address 1426 Barth Rd. City Belpre State OH Zip 45714

Cementing Company Nabors Completion & Production
Address 1650 Hackers Creek Rd. City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Philippi Rd. City Clarksburg State WV Zip 26378

Please insert additional pages as applicable.

Completed by Shane Dowell Telephone 304-628-3111
Signature  Title Office Manager Date 8-15-2015

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

06/17/2016

Lithology

Gorby 5 47-095-02142

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
MISC. RED ROCK & SHALES	0	2372
LIME	2372	2472
INJUN	2472	2589
SHALE	2589	2936
GORDON STRAY	2936	2956
SHALE	2956	3152
GORDON	3152	3182
SHALE	3182	3461
BAYARD	3461	3470
SHALE	3470	3799
WARREN	3799	3897
SHALE	3897	4133
BALLTOWN	4133	4296
SHALE	4296	4734
2ND RILEY	4734	4842
SHALE	4842	4993
3RD RILEY	4993	5034
SHALE	5034	5091
BENSON	5091	5094
SHALE	5094	5336
ALEXANDER	5336	5507
SHALE	5507	5752
ELK	5752	5800
SHALE	5800	6039
HAMILTON	6039	6213
SHALE	6213	6869
UPPER Marcellus	6869	6875
PARCELL LIME	6875	6910
SHALE	6910	6978
LOWER MARCELLUS	6978	

06/17/2016

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/18/2015
Job End Date:	1/25/2015
State:	West Virginia
County:	Tyler
API Number:	47-095-02142-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	GORBY 5
Longitude:	-80.81124000
Latitude:	39.47943000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,000
Total Base Water Volume (gal):	7,689,444
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	Operator	Carrier	Water	7732-18-5	100.00000	92.16020	
Sand, White, 100 mesh	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A		3.12060	
Sand, White, 30/50	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A		1.96909	
Sand, White, 40/70	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A		1.26858	
Sand, White, 20/40	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A		0.73446	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	MSDS and Non-MSDS Ingredients Listed Below	N/A		0.55028	SmartCare Product
FRW-18	Baker Hughes	Friction Reducer	MSDS and Non-MSDS Ingredients Listed Below	N/A		0.05313	SmartCare Product
GW-3LDF	Baker Hughes	Gelling Agent	MSDS and Non-MSDS Ingredients Listed Below	N/A		0.02864	SmartCare Product

Scaletrol 720	Baker Hughes	Scale Inhibitor					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.02461	SmartCare Product
Alpha 1427	Baker Hughes	Biocide					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.02211	SmartCare Product
Enzyme G-NE	Baker Hughes	Breaker					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.01680	SmartCare Product
Ferotrol 300L	Baker Hughes	Iron Control					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.00358	SmartCare Product
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.00323	
CI-14	Baker Hughes	Corrosion Inhibitor					
			MSDS and Non-MSDS Ingredients Listed Below	N/A		0.00165	SmartCare Product
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Ingredients in Additive (s) (MSDS and non- MSDS)	Baker Hughes	See Trade Name(s) List					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	7.08943	
			Water	7732-18-5	95.00000	0.53450	
			Hydrochloric Acid	7647-01-0	15.00000	0.08252	
			Mineral Oil	8042-47-5	70.00000	0.02004	
			Guar Gum	9000-30-0	60.00000	0.01718	
			Poly (acrylamide-co-acrylic acid) partial sodium salt	62649-23-4	30.00000	0.01593	
			Hydrotreated Light Distillate	64742-47-8	30.00000	0.01593	
			Ethylene Glycol	107-21-1	45.00000	0.01107	
			Paraffinic Petroleum Distillate	64742-55-8	30.00000	0.00859	
			Petroleum Distillates	64742-47-8	30.00000	0.00859	
			Glutaraldehyde	111-30-8	30.00000	0.00663	
			2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9	20.00000	0.00492	
			Sodium Chloride	7647-14-5	5.00000	0.00290	
			Methanol	67-56-1	100.00000	0.00229	
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	10.00000	0.00221	
			Citric Acid	77-92-9	60.00000	0.00215	
			Ammonium Chloride	12125-02-9	3.00000	0.00159	
			Crystalline Silica: Quartz	14808-60-7	5.00000	0.00143	
			1-butoxy-2-propanol	5131-66-8	5.00000	0.00143	
			Isotridecanol, ethoxylated	9043-30-5	5.00000	0.00143	
			Calcium Chloride	10043-52-4	5.00000	0.00123	
			Quaternary Ammonium Compound	68424-85-1	5.00000	0.00111	
			Ethanol	64-17-5	5.00000	0.00111	
			Oleamide DEA	93-83-4	2.00000	0.00106	

		Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00106
		Surfactant	9016-45-9	15.00000	0.00087
		Hemicellulase Enzyme Concentrate	9025-56-3	5.00000	0.00084
		Polyoxyalkylenes	68951-67-7	30.00000	0.00049
		Sorbitan Monooleate	1338-43-8	0.50000	0.00027
		Polyoxyethylene Sorbitan Monooleate	9005-65-6	0.50000	0.00027
		Potassium Chloride	7447-40-7	1.00000	0.00025
		Fatty Acids	61790-12-3	10.00000	0.00016
		Modified Thiourea Polymer	68527-49-1	7.00000	0.00012
		Propargyl Alcohol	107-19-7	5.00000	0.00008
		Olefin	64743-02-8	5.00000	0.00008
		2-butoxy-1-propanol	15821-83-7	0.10000	0.00003
		Formaldehyde	50-00-0	1.00000	0.00002

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

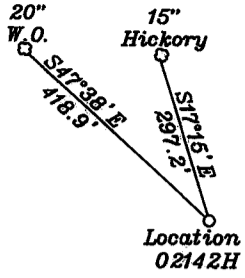
** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

Top Hole 1,890'
Bottom Hole 5,692'

LATITUDE 39-30-00 N

References

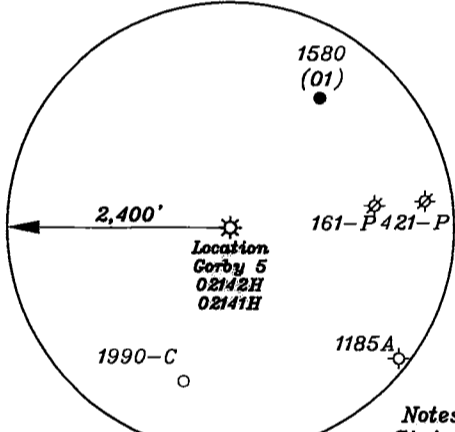
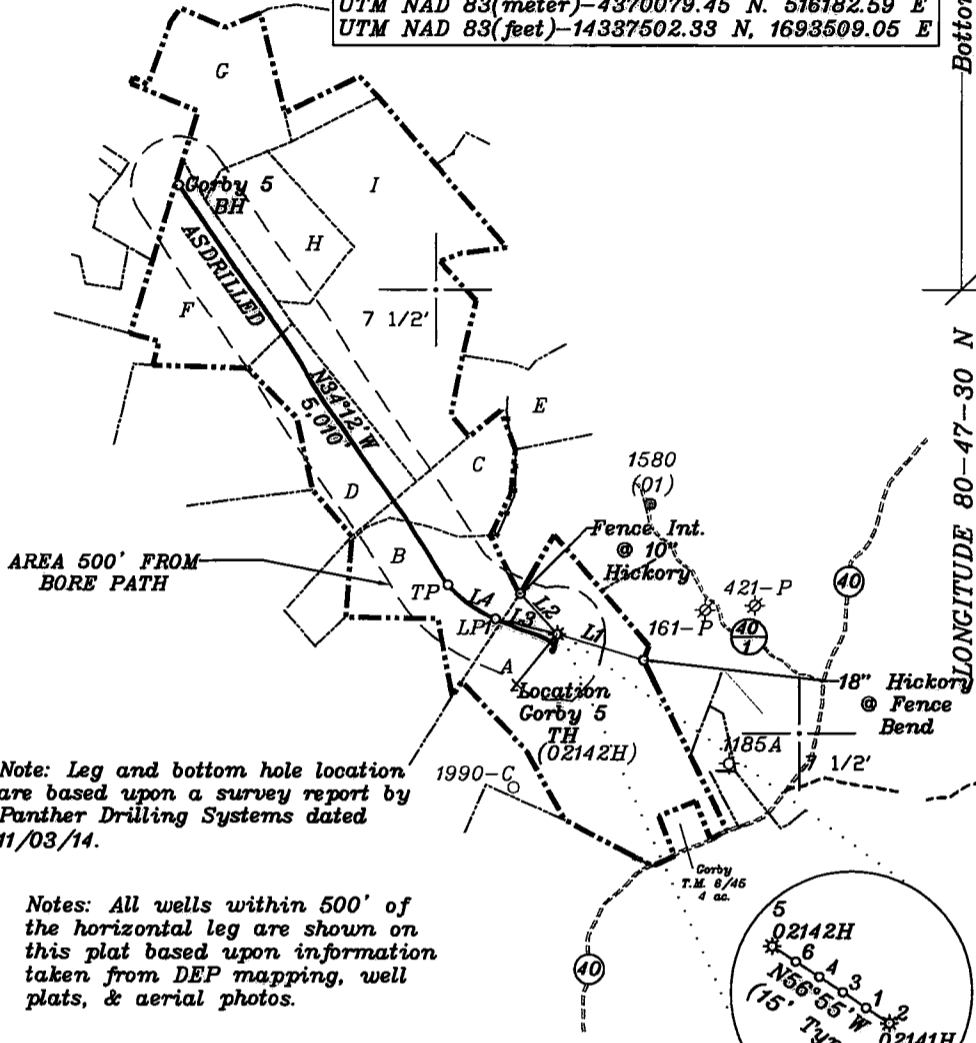


NUMBER	DIRECTION	DISTANCE
L1	N73°05'W	942'
L2	S42°19'E	574'
L3	N76°04'W	661'
L4	N54°23'W	613'

Top Hole	
Geo NAD 83-39.467523 N, 80.797585 W	
UTM NAD 83(meter)-4368679.71 N, 517411.52 E	
UTM NAD 83(feet)-14332910.00 N, 1697540.96 E	
Landing Point LP-1	
Geo NAD 83-39.467934 N, 80.799866 W	
UTM NAD 83(meter)-4368724.91 N, 517215.27 E	
UTM NAD 83(feet)-14333058.31 N, 1696897.09 E	
Turning Point	
Geo NAD 83-39.468895 N, 80.801650 W	
UTM NAD 83(meter)-4368831.21 N, 517061.54 E	
UTM NAD 83(feet)-14333407.05 N, 1696392.74 E	
Bottom Hole	
Geo NAD 83-39.480159 N, 80.811838 W	
UTM NAD 83(meter)-4370079.45 N, 516182.59 E	
UTM NAD 83(feet)-14337502.33 N, 1693509.05 E	

Notes: No water wells were found within 250' of the well location. No dwellings or agricultural buildings were found within 625' of the center of the well pad.

- A- Gorby T.M. 6/44 105.5 Ac.
- B- Caine T.M. 5/21 41.62 Ac.
- C- Janie Denoon Trust T.M. 28/40 20.42 Ac.
- D- Janie Denoon Trust T.M. 28/39 35 Ac.
- E- Ferrell T.M. 2/28 73 Ac.
- F- Grodsky, Langworthy & Brooks TM 22/32 53 Ac.
- G- Baker TM.22/25 39.98 Ac.
- H- Grodsky, Langworthy & Brooks TM. 22/31 36 Ac.
- I- Janie Denoon Trust T.M. 22/29 & 30 80 & 36 Ac.



Note: Leg and bottom hole location are based upon a survey report by Panther Drilling Systems dated 11/03/14.

Notes: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.

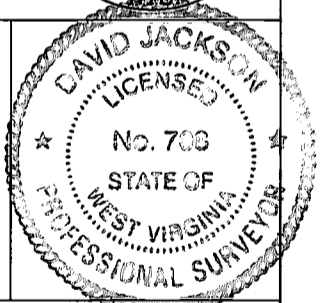
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

(+) 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.I.S. 708



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

DATE September 22, 2015
OPERATOR'S WELL NO. Gorby 5
API WELL NO. AsDrilled

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY 02142H PERMIT 47 - 095 - 02142H

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1278.5' WATER SHED Big Run

DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER James I. Gorby & Paulette Gorby ACREAGE 105.5 ac.
OIL & GAS ROYALTY OWNER Virginia Waterman (TM.6/44), David Bowyer (TM.28/40), Mary B. Hoover Irrevocable (TM.22/29 & 30), Walter R. Myers (TM.28/39), Una Henderson (TM.22/32)

LEASE NO. T3129 105.5 Ac., T5006 20.42 Ac., T3121 80 & 36 Ac., T3122 35 Ac., T3123 53 Ac.

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

PLUG AND ABANDON CLEAN OUT AND REPLUG

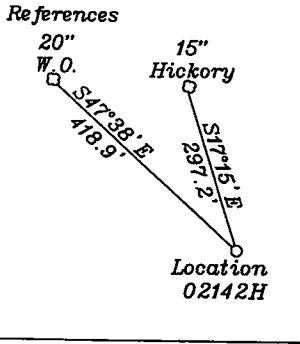
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD 6,942' + TMD 12,970'

WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Rt. 22, East Union, NJ 07083 ADDRESS Route 1, Box 5, Cairo, WV 26337

06/17/2016

Top Hole 1,890'
Bottom Hole 5,692'

LATITUDE 39-30-00 N

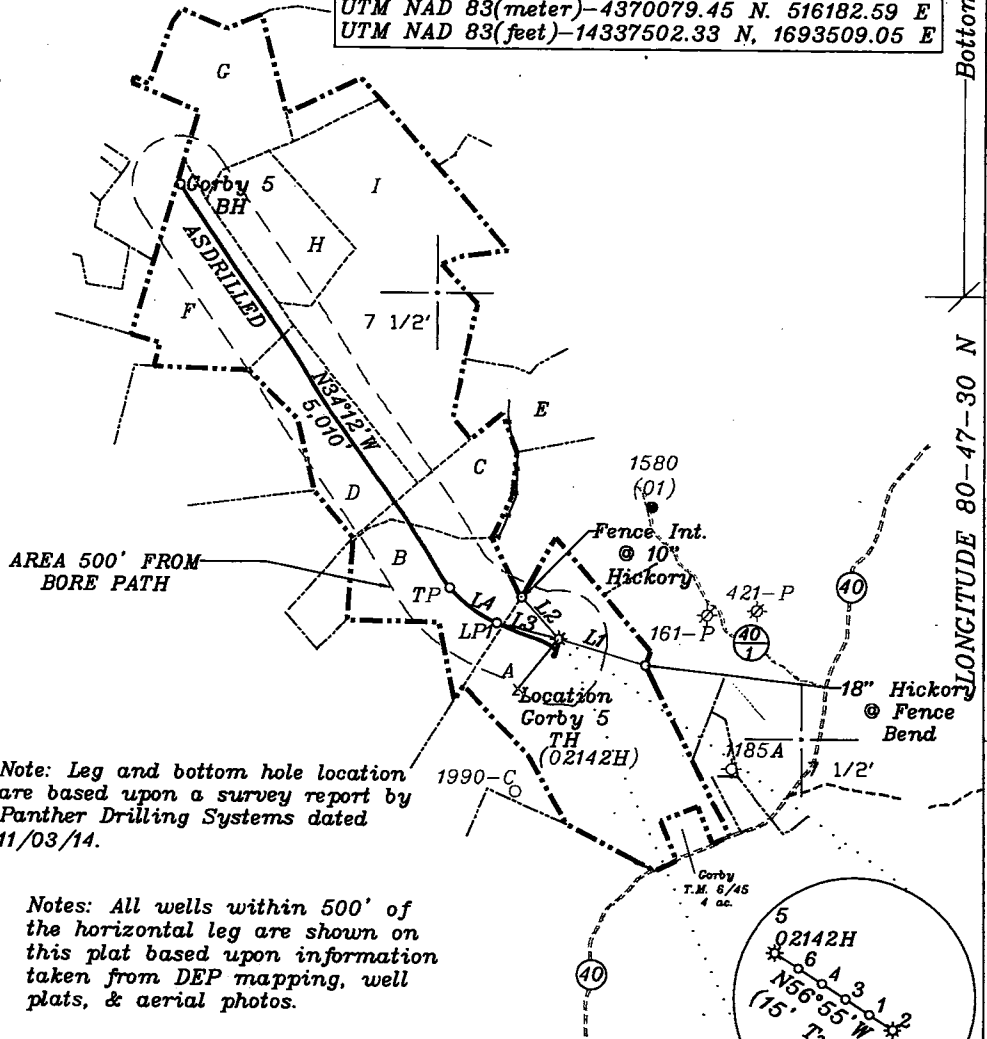


NUMBER	DIRECTION	DISTANCE
L1	N73°05'W	942'
L2	S42°19'E	574'
L3	N76°04'W	661'
L4	N54°23'W	613'

Top Hole	
Geo NAD 83-39.467523 N, 80.797585 W	
UTM NAD 83(meter)-4368679.71 N, 517411.52 E	
UTM NAD 83(feet)-14332910.00 N, 1697540.96 E	
Landing Point LP-1	
Geo NAD 83-39.467934 N, 80.799866 W	
UTM NAD 83(meter)-4368724.91 N, 517215.27 E	
UTM NAD 83(feet)-14333058.31 N, 1696897.09 E	
Turning Point	
Geo NAD 83-39.468895 N, 80.801650 W	
UTM NAD 83(meter)-4368831.21 N, 517061.54 E	
UTM NAD 83(feet)-14333407.05 N, 1696392.74 E	
Bottom Hole	
Geo NAD 83-39.480159 N, 80.811838 W	
UTM NAD 83(meter)-4370079.45 N, 516182.59 E	
UTM NAD 83(feet)-14337502.33 N, 1693509.05 E	

Notes: No water wells were found within 250' of the well location. No dwellings or agricultural buildings were found within 625' of the center of the well pad.

- A- Corby T.M. 6/44 105.5 Ac.
- B- Caine T.M. 5/21 41.62 Ac.
- C- Janie Denoon Trust T.M. 28/40 20.42 Ac.
- D- Janie Denoon Trust T.M. 28/39 35 Ac.
- E- Ferrell T.M. 2/28 73 Ac.
- F- Grodsky, Langworthy & Brooks TM 22/32 53 Ac.
- G- Baker TM.22/25 39.98 Ac.
- H- Grodsky, Langworthy & Brooks TM. 22/31 36 Ac.
- I- Janie Denoon Trust T.M. 22/29 & 30 80 & 36 Ac.



Note: Leg and bottom hole location are based upon a survey report by Panther Drilling Systems dated 11/03/14.

Notes: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.

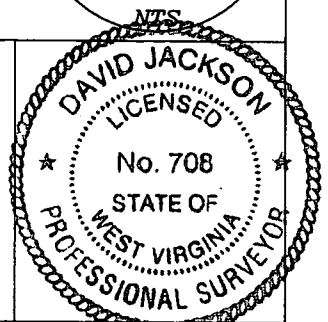
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

(+) 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 Jackson
R.P.E. _____ P.L.S. 708



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

DATE September 22, 2015
OPERATOR'S WELL NO. Corby 5
API WELL NO. AsDrilled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF 'GAS') PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
STATE COUNTY PERMIT 47 - 095 - 02142H

LOCATION: ELEVATION 1278.5' WATER SHED Big Run
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER James I. Corby & Paulette Corby ACREAGE 105.5 ac.
OIL & GAS ROYALTY OWNER Virginia Waterman (TM.6/44), David Bowyer (TM.28/40), Mary B. Hoover Irrevocable (TM.22/29 & 30), Walter R. Myers (TM.28/39), Una Henderson (TM.22/32)

LEASE NO. T3129 105.5 Ac., T5006 20.42 Ac., T3121 80 & 36 Ac., T3122 35 Ac., T3123 53 Ac.

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD 6,942' + TMD 12,970'

WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Rt. 22, East Union, NJ 07083 ADDRESS Route 1, Box 5, Cairo, WV 26337

06/17/2016