

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

API 47 - 095 - 02465 County Tyler District McElroy
Quad Shirley 7.5' Pad Name Dopey Field/Pool Name _____
Farm name John & Patty Montgomery Well Number Dopey 4
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 4365437.78 Easting 519589.17
Landing Point of Curve Northing 4365272.74 Easting 520075.08
Bottom Hole Northing 4364417.48 Easting 520810.81

Elevation (ft) 910.0' 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 OBM

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Environmental Protection

Date permit issued 09/15/17 Date drilling commenced 01/29/18 Date drilling ceased 02/09/18
Date completion activities began 06/15/18 Date completion activities ceased 06/24/18
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 176.91' 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

Reviewed by:
JES
5/29/2019

API 47-095 - 02465 Farm name John & Patty Montgomery Well number Dopey 4

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	30"	26"	30'	New	J55-40LB/FT		Y
Surface	17 1/2"	13 3/8"	374'	New	J55-32LB/FT	43'&332'	Y
Coal							
Intermediate 1	11"	8 5/8"	2059'	New	J-55/24#	86'&2017'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5 1/2"	11028'	New	P110-17LB/FT		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	403	15.6	1.1966	482	CTS	8
Coal							
Intermediate 1	Class A	646	15.6	1.1881	768	CTS	8
Intermediate 2							
Intermediate 3							
Production	Class A	1560	14.5	1.1742	1832	1000'	8
Tubing							

Drillers TD (ft) 11038' Loggers TD (ft) 11038'
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6344'

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Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic
 WV Department of Environmental Protection

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 - 02465 Farm name John & Patty Montgomery Well number Dopey 4

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	6/15/18	10854	10783	72	Marcellus
2	6/15/18	10744	10608	72	Marcellus
3	6/16/18	10554	10460	72	Marcellus
4	6/16/18	10425	10263	72	Marcellus
5	6/17/18	10205	10032	72	Marcellus
6	6/17/18	9697	9863	72	Marcellus
7	6/17/18	9828	9641	72	Marcellus
8	6/17/18	9,620	9,591	72	Marcellus
9	6/18/18	9,462	9,433	72	Marcellus
10	6/19/18	9,294	9,265	72	Marcellus
11	6/20/18	9,080	9,051	72	Marcellus
12	6/20/18	8,872	8,843	72	Marcellus
13	6/21/18	8,670	8,641	72	Marcellus
14	6/22/18	8,462	8,433	72	Marcellus
15	6/22/18	8,260	8,231	72	Marcellus
16	6/22/18	8082	7923	72	Marcellus

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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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	6/15/18	69.2	7065	8414	3934	211660	6806	N/A
2	6/16/18	70.4	6863	7600	4241	211840	7647	N/A
3	6/16/18	79	6827	7160	4104	211840	6626	N/A
4	6/16/18	78.3	6503	6609	4609	213820	5988	N/A
5	6/17/18	76.9	6596	7016	4559	214420	6162	N/A
6	6/17/18	73.8	7000	9163	5034	213920	8867	N/A
7	6/17/18	79.7	6276	6901	4942	217860	6148	N/A
8	6/17/18	78.9	6110	6877	4971	214160	6126	N/A
9	6/18/18	55	5925	7502	5268	190660	6801	N/A
10	6/19/18	78.3	6180	6535	4736	230860	6739	N/A
11	6/20/18	79.7	6478	6947	4950	216300	6394	N/A
12	6/20/18	72.3	6479	7204	4800	203540	5751	N/A
13	6/21/18	79.7	6504	7877	4591	187900	6884	N/A
14	6/22/18	76.9	6451	6648	4846	207040	6843	N/A
15	6/22/18	80.5	6376	6732	4213	211400	6868	N/A
16	6/22/18	78.1	6515	7124	4609	212480	6689	N/A

Please insert additional pages as applicable.

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Jay-Bee Oil & Gas, Inc.
API No: 47-095-02465 County: Tyler
District: McElroy Well No: Dopey 4
Farm Name: John & Patty Montgomery

Discharge Date/s From:(MMDDYY) _____ To: (MMDDYY) _____
Discharge Times. From: n/a To: n/a

Total Volume to be Disposed from this facility (gallons): NO DISCHARGE

Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
- (2) UIC: _____ Permit No. _____
- (3) Offsite Disposal: _____ Site Location: _____
- (4) Reuse: _____ Alternate Permit Number: _____
- (5) Centralized Facility: _____ Permit No. _____
- (6) Other method: _____ (Include an explanation)

Follow Instructions below to determine your treatment category:

Optional Pretreatment test: n/a Cl- mg/l n/a DO mg/l


1. Do you have permission to use expedited treatment from the Director or his representative?
(Y/N) N If yes, who? n/a and place a four (4) on line 7.
If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) N If yes, go to line 5. If not, go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) n/a If yes, go to line 4
If not, go to line 5.
4. Is the Chloride level less than 5000 mg/l? (Y/N) n/a If yes, then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (See above) (Y/N) n/a If yes, go to line 6
If not, enter a three (3) in line 7.
6. Is the DO level greater than 2.5 mg/l?(Y/N) n/a If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
7. n/a is the category of your pit. Use the Appropriate section.
8. Comments on Pit condition: n/a

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Name of Principal Exec. Officer: Tyler DuFour
Title of Officer: Office Manager
Date Completed: 5/3/11

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Signature of a Principal Exec. Officer or Authorized agent.

OIL AND GAS RECLAMATION NOTICE

TO:

Name John & Patty Montgomery

Address 107 Basil Drive Weirton, WV 26047

Name _____

Address _____

Name _____

Address _____

Pursuant to West Virginia Code 22-7, notice is hereby given that the undersigned well operator is commencing the reclamation of the surface disturbance caused by well work required by West Virginia Code 22-6-30 on the tract of land as follows:

API Permit No. 47- 095 02465 _____;

Acreage 65 Acres _____;

Watershed Indian Creek _____;

District McElroy _____;

County Tyler _____;

Public Road Access _____;

Generally used farm name John & Patty Montgomery _____.

This tract of land was utilized in connection with the well work authorized by the permit listed above issued by the Office of Oil and Gas of the West Virginia Department of Environmental Protection.

Any claim for oil and gas production damage compensation from the undersigned must be made within 2 years of the publication of this notice.

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Well Operator Jay-Bee Oil & Gas, Inc.

Address 3570 Shields Hill Rd.

Cairo, WV 26337

Telephone 304-628-3111

Lithology

Dopey 4

47-095-02465

FORMATION	TOP	BOTTOM
MISC. RED ROCK & SHALES	0	1960
LIME	1960	2060
INJUN	2060	2177
SHALE	2177	2524
GORDON STRAY	2524	2544
SHALE	2544	2740
GORDON	2740	2770
SHALE	2770	3049
BAYARD	3049	3058
SHALE	3058	3387
WARREN	3387	3485
SHALE	3485	3721
BALLTOWN	3721	3884
SHALE	3884	4322
2ND RILEY	4322	4430
SHALE	4430	4581
3RD RILEY	4581	4622
SHALE	4622	4679
BENSON	4679	4682
SHALE	4682	4924
ALEXANDER	4924	5095
SHALE	5095	5340
ELK	5340	5388
SHALE	5388	5717
HAMILTON	5717	5891
SHALE	5891	6547
UPPER MARCELLUS	6547	6570
PARCELL LIME	6570	6605
SHALE	6605	6627
LOWER MARCELLUS	6627	0

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/15/2018
Job End Date:	6/24/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02465-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	Dopey 4
Latitude:	39.43826600
Longitude:	-80.77236400
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,656
Total Base Water Volume (gal):	5,612,544
Total Base Non Water Volume:	40,935

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	91.06091	
Other Chemical (s)	Listed Above	See Trade Name (s) List	Water	7732-18-5	85.00000	0.49504	

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			Water	7732-18-5	55.00000	0.01420	
			Water	7732-18-5	50.00000	0.03971	
			Water	7732-18-5	55.00000	0.01414	
HVG-1 4.0	FTSI	Water gelling agent		Listed Below			
20/40 White	FTSI	Proppant		Listed Below			
ICI-3240	FTSI	Biocide		Listed Below			
10.1%-15.0% HCL	FTSI	Acid		Listed Below			
FRW-1450	FTSI	Friction Reducer		Listed Below			
CS-1000 SI	FTSI	Scale Inhibitor		Listed Below			
SPB-1	FTSI	Breaker		Listed Below			

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30/50 White	FTSI	Proppant		Listed Below					
CI-150	FTSI	Acid Corrosion Inhibitor		Listed Below					
100 Mesh Sand	FTSI	Proppant		Listed Below					
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.									
			Silica, Quartz	14808-60-7	100.00000	4.56785			
			Silica, Quartz	14808-60-7	100.00000	3.00926			
			Silica, Quartz	14808-60-7	100.00000	0.63805			
			Hydrogen Chloride	7647-01-0	15.00000	0.08736			
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.02382			
			Cationic Polyacrylamide	9003-05-8	30.00000	0.02382			
			Phosphonic Acid, {Nitrilotris (methylene)} Tris	6419-19-8	35.00000	0.00904			
			Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24.00000	0.00617			
			Sodium Hydroxide	1310-73-2	23.00000	0.00591			
			Petroleum Distillate	64742-47-8	55.00000	0.00464			
			Raffinates, Sorption Process	64741-85-1	55.00000	0.00464			
			Guar gum	9000-30-0	55.00000	0.00464			
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00397			
			Phosphonic Acid, {(Dimethylamino) Methylene} Bis -	29712-30-9	5.00000	0.00129			

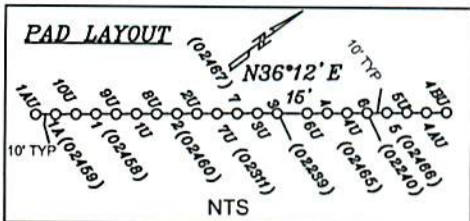
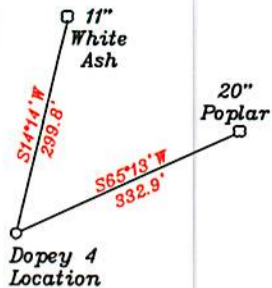
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	Sodium Perborate Tetrahydrate	10486-00-7	98.00000	0.00109	
	Methanol	67-56-1	90.00000	0.00093	
	Phosphorous Acid	10294-56-1	2.00000	0.00052	
	Suspending Agent	1302-78-9	5.00000	0.00042	
	Quartz	14808-60-7	4.00000	0.00034	
	Orthophosphoric acid	7664-38-2	0.75000	0.00019	
	Isotridecanol, ethoxylated	9043-30-5	2.00000	0.00017	
	Thiourea-formaldehyde Copolymer	68527-49-1	10.00000	0.00010	
	Alcohol Ethoxylate Surfactants	Proprietary	10.00000	0.00010	
	Fatty Acids, Tall Oil	61790-12-3	10.00000	0.00010	
	Propargyl Alcohol	107-19-7	5.00000	0.00005	
	N-olefins	Proprietary	3.00000	0.00003	
	Sodium Metaborate	7775-19-1	1.40000	0.00002	
	Hydrochloric acid	7647-01-0	0.00500	0.00000	

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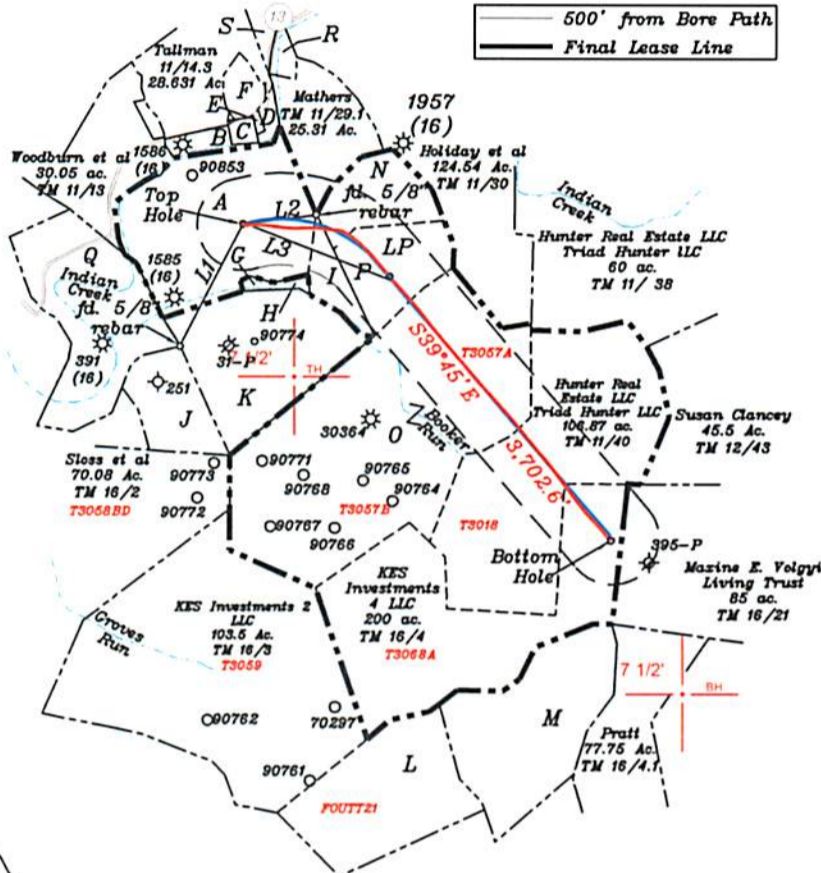
* Total Water: Volume sources may include various types of water including fresh water, produced water, and recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%
 *** If you are calculating a percentage of total ingredients do not add the 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(f) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

References

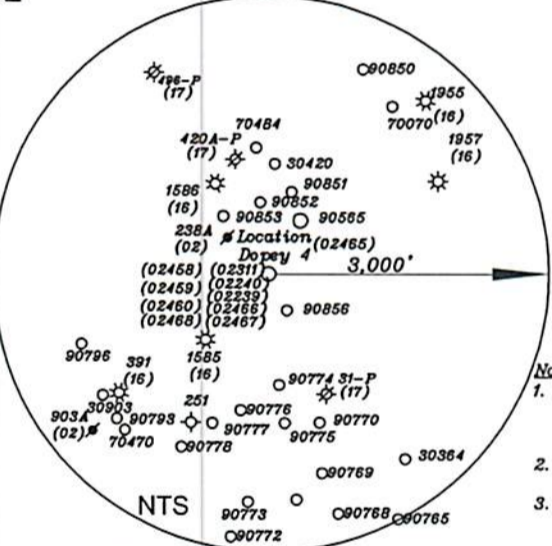


Top Hole	UTM NAD83(meter)-4365438.02 N. 519589.20 E
Landing Point	UTM NAD83(meter)-4365340.79 N. 520012.72 E
Bottom Hole	UTM NAD83(meter)-4364423.70 N. 520815.46 E
Top Hole	UTM NAD83(meter)-4365437.78 N. 519589.17 E
Landing Point	UTM NAD83(meter)-4365272.74 N. 520075.08 E
Bottom Hole	UTM NAD83(meter)-4364417.48 N. 520810.81 E

- A- Montgomery TM 11/27 65 Ac. T3055A
- B- Montgomery TM 11/14 2.18 Ac. T3052A
- C- Vincent TM 11/14.4 1.82 Ac. T3052A
- D- Ritter (Life) TM 11/29 1.83 Ac.
- E- Stillson TM 11/28 0.37 Ac.
- F- Tallman TM 11/14.5 5.135 Ac. T3052A
- G- Woodburn et al TM 11/15 0.755 Ac.
- H- Woodburn et al TM 11/44 1.5 Ac.
- I- Woodburn et al TM 11/44 6.75 Ac.
- J- Davis TM 11/41 18.82 Ac.
- K- Kils estate TM 11/36 57 Ac.
- L- KES Investments 3 LLC TM 16/4 49.13 Ac.
- M- KES Investments 3 LLL TM 16/4 Residue of 78.4 Ac.
- N- Woodburn et al TM 11/43 35 Ac. T3056A1
- O- Hunter Real Estate LLC, Triad Hunter LLC TM 11/37 147 Ac.
- P- Woodburn et al TM 11/42 25.5 Ac. T3056A2
- Q- Kile Est. TM 11/36.1 50 Ac. T3055B
- R- Holliday TM 11/30.2 0.56 Ac.
- S- Woodburn et al TM 11/14.1 2 Ac.



NORTH



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.
3. No water wells were found within 250' of the well location. A house was found N55°54'W 614.3' from the center of the well pad.

NUMBER	DIRECTION	DISTANCE
L1	N 27°02' E	1,489.1'
L2	S 82°26' W	800.3'
L3	S 70°17' E	1,684.2'

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

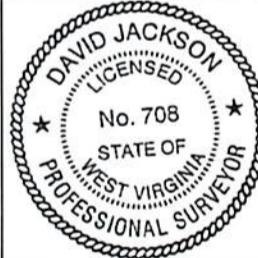
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FILE NO. _____
DRAWING NO. 1
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS
submeter unit

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 February 12, 2019
OPERATOR'S WELL NO. Dopey 4
API WELL NO. 47 - 095 - 02465

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 910.0' WATER SHED Indian Creek - Outlet Middle Island Creek (HUC-10)
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER John & Patty Montgomery ACREAGE 65 ac.
OIL & GAS ROYALTY OWNER & LEASE NO. See Above for Lease Numbers

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

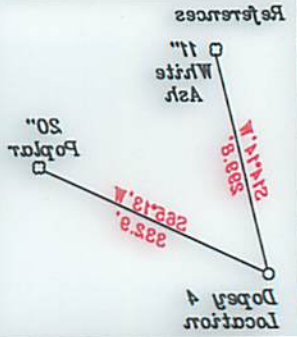
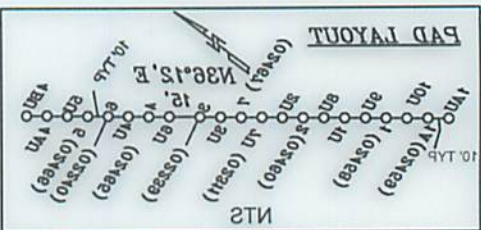
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 6,656'; TMD = 11,038'
WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Rt. 22, East Union, NJ 07083 ADDRESS 3570 Shields Hill Road, Cairo, WV 26337

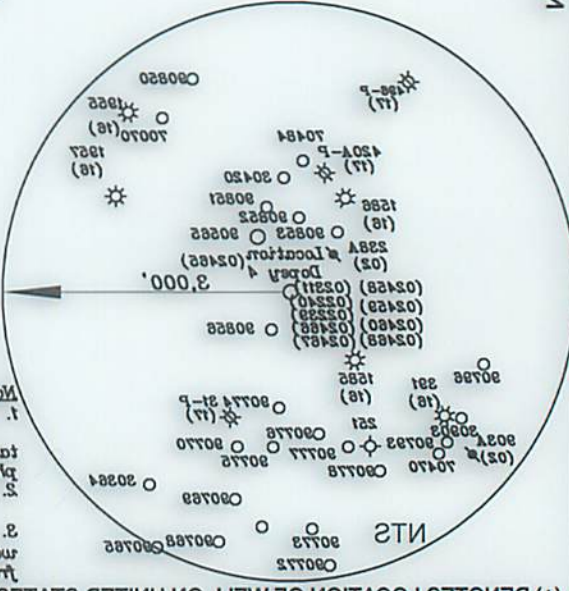
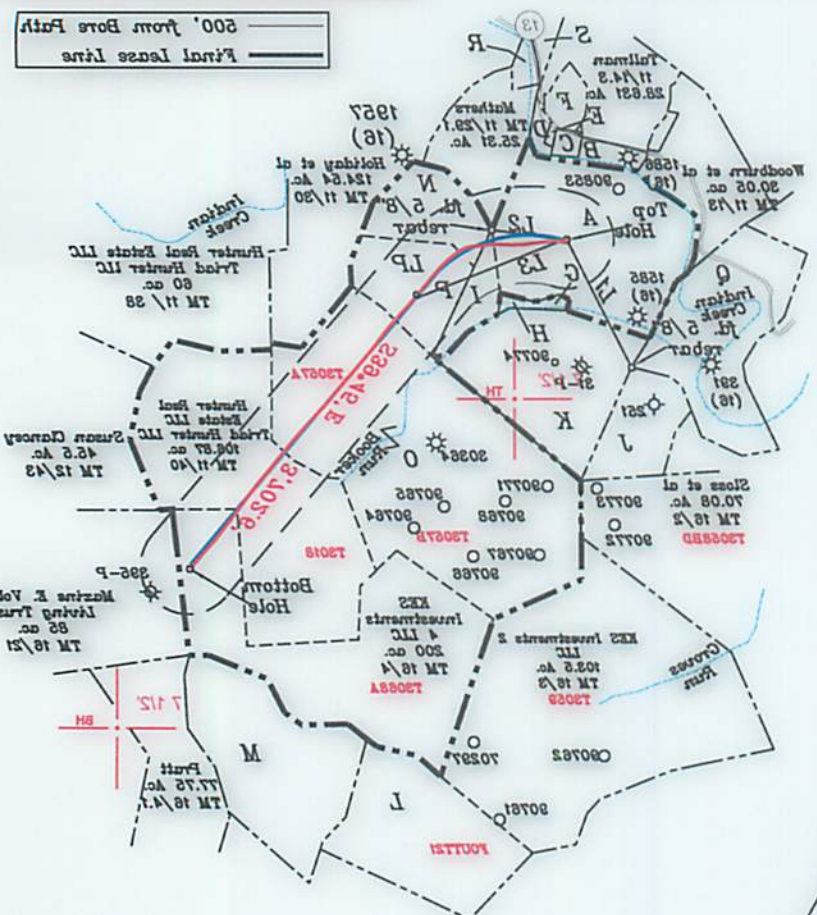
Bottom Hole 10,669'
Top Hole 7,248'
LONGITUDE 80-45-00 W

Bottom Hole 5,316'

Top Hole	UTM NAD83 (meter) -436437.78 N 518589.17 E
Landmark Point	UTM NAD83 (meter) -436527.74 N 520075.08 E
Bottom Hole	UTM NAD83 (meter) -436447.48 N 520810.81 E
Top Hole	UTM NAD83 (meter) -436437.78 N 518589.17 E
Landmark Point	UTM NAD83 (meter) -436527.74 N 520075.08 E
Bottom Hole	UTM NAD83 (meter) -436447.48 N 520810.81 E



- 2- Woodburn et al TM 11/14 2 ac.
- R- Holiday TM 11/30 2.08 ac.
- Q- Kile Est TM 11/38 2.50 ac.
- P- Woodburn et al TM 11/14 25.2 ac.
- M- Woodburn et al TM 11/14 35 ac.
- N- Hunter Real Estate LLC, Triad Hunter LLC TM 11/27 147 ac.
- M- KES Investments 3 LLL TM 18/14
- L- KES Investments 3 LLL TM 18/14 43.13 ac.
- K- Kile estate TM 11/38 27 ac.
- J- Davis TM 11/18 82 ac.
- I- Woodburn et al TM 11/14 6.75 ac.
- H- Woodburn et al TM 11/14 1.5 ac.
- C- Woodburn et al TM 11/14 0.725 ac.
- F- Tillman TM 11/14 5.212 ac.
- D- Shilston TM 11/28 0.37 ac.
- B- Vincent TM 11/14 4.182 ac.
- A- Montgomery TM 11/27 82 ac.



NUMBER	DIRECTION	DISTANCE
13	S 70°17' E	1,884.2'
12	S 82°28' W	800.3'
11	N 37°02' E	1,489.1'

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.
 3. No water wells were found within 250' of the well location. A horse was found N52°54'W 614.3' from the center of the well pad.



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 S. Jackson
 R.P.E. No. 708

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
 SUBMETER UNIT

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

WELL TYPE: OIL GAS X LIQUID INJECTION
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 910.0' WATER SHED Indian Creek - Outlet Middle Island Creek (HUC-10)
 DISTRICT McElroy
 QUADRANGLE Shirley 7 1 S
 SURFACE OWNER John & Patty Montgomery
 OIL & GAS ROYALTY OWNER & LEASE NO. See Above for Lease Numbers

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

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 6,656'; TMD = 11,038'
 WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
 ADDRESS 1720 Rt. 22, East Union, W 07083 ADDRESS 3570 Shields Hill Road, Carro, WV 26337

DATE February 12, 2019
 OPERATOR'S WELL NO. Dopey 4
 API WELL NO. 47 - 092 - 02462
 STATE COUNTY PERMIT