



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

February 14, 2018
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

JAY-BEE OIL & GAS, INC.
1720 RT. 22 E

UNION, NJ 070830000

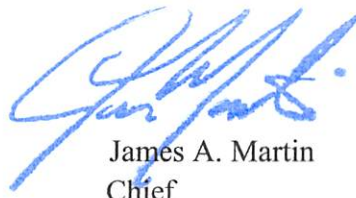
Re: Permit Modification Approval for DOPEY 7
47-095-02467-00-00

Modified Landing Point

JAY-BEE OIL & GAS, INC.

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: DOPEY 7
Farm Name: JOHN & PATTY MONTGOMERY
U.S. WELL NUMBER: 47-095-02467-00-00
Horizontal 6A / New Drill
Date Issued: February 14, 2018

Promoting a healthy environment.

02/16/2018

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Jay-Bee Oil & Gas, Inc 24610 Tyler McElroy Shirley
Operator ID County District Quadrangle

2) Operator's Well Number: Dopey 7 Well Pad Name: Dopey Pad

3) Farm Name/Surface Owner: John & Patty Montgomery Public Road Access: Indian Creek Rd

4) Elevation, current ground: 910.7' Elevation, proposed post-construction: 910.7'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s): Marcellus, 6,630' Depth, 40' thickness, 3500# pressure

DWH 2-12-15
JEB
2/12/2018

8) Proposed Total Vertical Depth: 6,630'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 13,587'

11) Proposed Horizontal Leg Length: ~~4,480.3'~~ 5286'

12) Approximate Fresh Water Strata Depths: 176.91'

13) Method to Determine Fresh Water Depths: API 47-095-00010 for salt and coal. Freshwater was closest creek at 735' elevation.

14) Approximate Saltwater Depths: 1,132.91'

15) Approximate Coal Seam Depths: 114.91', 253.91', 347.91', 506.91', 569.91'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

WW-6B
(04/15)

API NO. 47- 95-2467MOD
 OPERATOR WELL NO. Dopey 7
 Well Pad Name: Dopey Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft./CTS)
Conductor	16	New	J55	40	30	30	8.22 CTS
Fresh Water	11 3/4	New	J55	32	300	300	142.25 CTS
Coal							
Intermediate	8 5/8	New	J55	24	2,000	2,000	508.43 CTS
Production	5 1/2	New	P110	17	13,587'	13,587'	2,181
Tubing							
Liners							

Cement up to 1000' from Surface

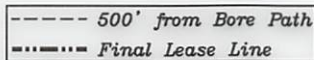
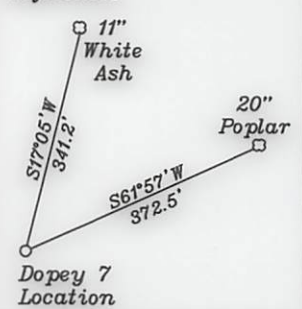
Dmit 2-12-18 JEP 2/12/2018

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	16	17 1/2	.495	3,000#	50	Class A Cement	1.19
Fresh Water	11 3/4	15	.333	1,500#	1000	Class A Cement	1.26
Coal							
Intermediate	8 5/8	11	.264	2,950#	1500	Class A Cement	1.45
Production	5 1/2	7 7/8	.304	15,000#	2500	Type 1 Cement	1.34
Tubing							
Liners							

PACKERS

Kind:	N/A			
Sizes:				
Depths Set:				

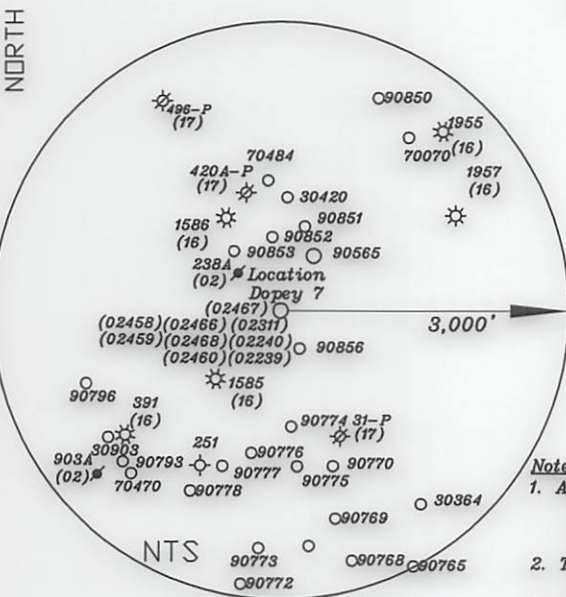
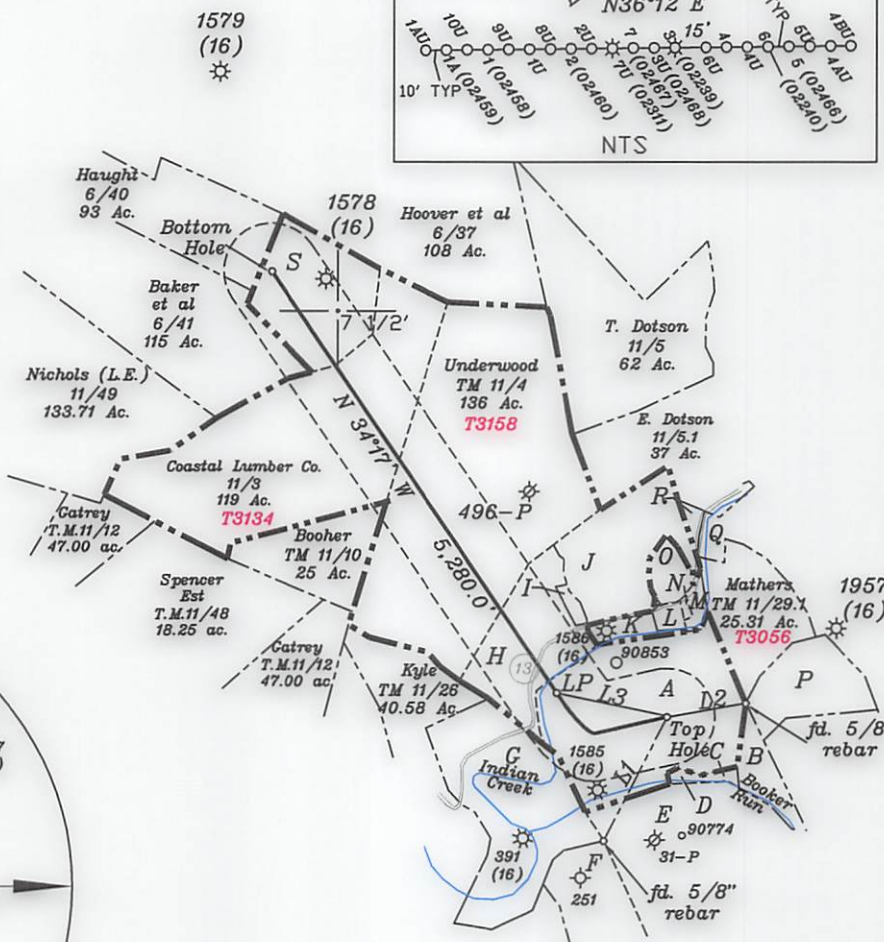
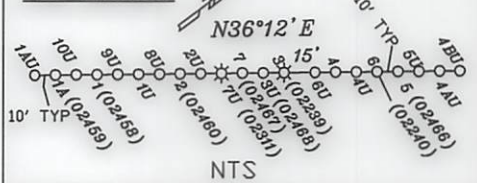
References



Top Hole
Geo NAD 83-39.438166 N, 80.772457 W
UTM NAD83(meter)-4365426.82 N. 519581.29 E
UTM NAD83(feet)-14322237.82 N. 1704659.61 E
Landing Point
Geo NAD 83-39.438803 N, 80.776541 W
UTM NAD83(meter)-4365496.66 N. 519229.62 E
UTM NAD83(feet)-14322466.94 N. 1703505.85 E
Bottom Hole
Geo NAD 83-39.450663 N, 80.787291 W
UTM NAD83(meter)-4366810.69 N. 518301.43 E
UTM NAD83(feet)-14326778.08 N. 1700460.61 E

- A- Montgomery TM 11/27 65 Ac. T3055A
- B- Woodburn et al TM 11/44 6.75 Ac.
- C- Woodburn et al TM 11/45 0.755 Ac.
- D- Woodburn et al TM 11/44 1.5 Ac.
- E- Kile Estate TM 11/36 57 Ac.
- F- Davis TM 11/41 18.82 Ac.
- G- Kile Estate TM 11/36.1 50 Ac. T3055B
- H- Woodburn et al TM 11/13 30.05 Ac.
- I- Woodburn TM 11/13.1 1.2 Ac. T3052
- J- Tallman TM 11/14.3 28.631 Ac. T3052A
- K- Montgomery TM 11/14 2.18 Ac. T3052A
- L- Vincent TM 11/14.4 1.82 Ac. T3052A
- M- Ritter (Life) TM 11/29 1.63 Ac. T3052A
- N- Stillson TM 11/28 0.37 Ac.
- O- Tallman TM 11/ 14.5 5.135 Ac. T3052A
- P- Woodburn et al TM 11/43 35 Ac.
- Q- Holliday TM 11/30.2 0.56 Ac.
- R- Woodburn et al TM 11/14.1 2 Ac.
- S- Seago et al TM 11/2 32.25 Ac. RPT2

PAD LAYOUT



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 P lane 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.

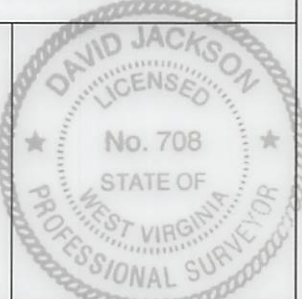
NUMBER	DIRECTION	DISTANCE
L1	N 26°45' E	1,445.4'
L2	S 80°14' W	831.8'
L3	N 77°49' W	1,176.7'

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



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

DATE February 09, 2018
 OPERATOR'S WELL NO. Dopey 7
 API WELL NO. 47 - 095 - 02467 map
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 910.7' 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 02/16/2018
 OIL & GAS ROYALTY OWNER & LEASE NO. See Above for Lease Numbers

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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 6,630'; TMD = 13,587'
 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

