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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

October 4, 2016
PERMIT MODIFICATION APPROVAL
Horizontal 6A / Horizontal 6A Well - 1

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

UNION, NJ 070830000

Re: Permit Modification Approval for DOPEY 7U
47-095-02311-00-00

Plug Back then Side Track lateral

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 7U
Farm Name: MONTGOMERY, JOHN & PATTY
U.S. WELL NUMBER: 47-095-02311-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Issued: October 4, 2016

west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street, SE Charleston, WV 25304
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.org

October 4, 2016

Department of Environmental Protection
Office of Oil and Gas
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-095-02311

COMPANY: Jay-Bee Oil & gas, Inc.

FARM: John & Shirely Montgomery - Dopey 7U

COUNTY: Tyler DISTRICT: McElroy QUAD: Shirley

The deep well review of the application for the above company is **APPROVED TO DRILL TO TRENTON FOR** Point Pleasant **COMPLETION.**

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Comments to Notice of Deviation filed? none
2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; yes
3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; none
4. Provided a plat showing that the proposed location is a distance of 400 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines

Cindy Raines
Program Administrator

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WV Department of
Environmental Protection

WW-6B
(04/15)

API NO. 47-095-2311 MOD
OPERATOR WELL NO. Dopey 7U
Well Pad Name: Dopey Pad

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

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

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

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

4) Elevation, current ground: 924.1' Elevation, proposed post-construction: 910.64'

5) Well Type (a) Gas X Oil ____ Underground Storage ____
Other ____
(b)If Gas Shallow ____ Deep X
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Utica/Point Pleasant: 11,801' Depth, 256' Thickness, 8000 psi,

which

8) Proposed Total Vertical Depth: 11,801' TVD

9) Formation at Total Vertical Depth: ~~Utica~~/Point Pleasant (Horizontal)

10/4/16

10) Proposed Total Measured Depth: 18,009

11) Proposed Horizontal Leg Length: 4,307.1'

12) Approximate Fresh Water Strata Depths: 176'

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'

15) Approximate Coal Seam Depths: 114', 253', 347', 506', 569'

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 X

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

Page 3

Letter of explanation (why a 2nd mod.)

WW-6B
(04/15)

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Environmental Protection

API NO. 47- 095 - 02311 MOD
OPERATOR WELL NO. Dopey 7U
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	26	New	A500	85 lb./ft	30'	30'	CTS 49 Cu. Ft.
Fresh Water	20	New	J-55	94 lb./ft	300'	300'	CTS 297 Cu. Ft.
Coal	13 3/8	New	J-55	61 lb./ft	2,000'	2,000'	CTS 1389 Cu. Ft.
Intermediate	9 5/8	New	HCP-110	47 lb./ft	8,900'	8,900'	2537 Cu. Ft.
Production	5 1/2	New	P-110	23 lb./ft	18,009'	18,009'	3965 Cu. Ft.
Tubing							
Liners							

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	26	30	.375	N/A	50	Class A	1.18-1.20
Fresh Water	20	24	.438	2,110	1,000	Class A	1.18-1.20
Coal	13 3/8	17 1/2	.480	3,090	1,500	Class A	1.18-1.24
Intermediate	9 5/8	12 1/4	.472	9,440	2,000	Class A&H	1.18-1.22
Production	5 1/2	8 1/2	.415	16,800	2,500	Class A	1.36-2.08
Tubing							
Liners							

10/4/16

PACKERS

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

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OCT 0 4 2016
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Environmental Protection

WW-6B
(10/14)

API NO. 47-095-02311
OPERATOR WELL NO. Dopey 7U
Well Pad Name: Dopey Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill vertical section of this well into the Trenton for logging purposes and to gather information. After that is complete we will plug back the well with a solid cement plug to from TD to KOP, effectively plugging the Trenton formation, and drill a Horizontal section through the Point Pleasant formation

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

+/- 200' per stage using 8,000bbls of water per stage and approx. 180,000-200,000lbs. of sand Friction reducer at a 1.0gpt ratio Scale inhibitor at a .25gpt ratio biocide for prevention of bacteria growth at a .25gpt ratio and 2000 gallons of 15% acid @ 70-80BPM with pressure ranging from 6,000 to 11,000PSI. The use of a gelling agent and a breaker may be used if needed throughout the fracturing process. Water and sand will make up approximately 99% of the fluid used to stimulate with.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 10.95

22) Area to be disturbed for well pad only, less access road (acres): 6.56

23) Describe centralizer placement for each casing string:

Conductor: None
Surface:1 on joint above shoe and then one every 4th joint to surface
Intermediate 2 Strings: 1 on joint above shoe and then on every 4th joint to surface
Production: Horizontal every 42' Spiral Centralizer, Curve - every 84' Spiral Centralizer. Vertical every 500' to surface

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives
Surface: Class A Cement, 2% Calcium Chloride, 1/4# flake
Intermediate 1: Class A Cement 2% Calcium Chloride, 1/4# flake
Intermediate 2: 35:36 POZ Class H,Salt SEC-10,CD-20,Airout 50:50 POZ:ClassA Bentonite,CR1 Airout
Production Lead: 50/50 Poz-Class A+10% Salt-(BWOW)+3%Bentonite+0.65% Super FL-200+0.1%SEC-10+0.5% Air Out+0.1% R-1
Production Tail: 50/50 Poz-Class A+10% Salt-(BWOW)+3%Bentonite+0.65% Super FL-200+0.1%SEC-10+0.5% Air Out+0.1% R-1

25) Proposed borehole conditioning procedures:

Air Hole: 24" 17 1/2" & 12 1/4" - Circulate until clean with air. If soaping, slug then dry.

8 1/2" Hole drilled on fluid for the 5 1/2" casing will be circulated 5-6 bottoms up and minimum of 2 heavy weighted sweeps will be pumped to ensure all cuttings are circulated out continued until no cuttings are retrieved

*Note: Attach additional sheets as needed.

10/4/16

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Office of Oil and Gas
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095-02311 Mon

WW-6A1
(5/13)

OCT 04 2016

Operator's Well No. Dopey 7U

WV Department of
Environmental Protection

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
T3055A	John & Patty Montgomery	JB Exploration I, LLC	12.5%	463-809
T3052	William F. & Janet Woodburn	JB Exploration I, LLC	12.5%	417-523
T3158	Mark & Teresa Underwood	JB Exploration I, LLC	12.5%	417-523
T3134	John W. Kerns Trust	JB Exploration I, LLC	12.5%	447-126
T1-03	Darrell D. Wright	Jay-Bee Production Company	12.5%	396/190

Affidavit	Jay-Bee Production Company	Jay-Bee Oil & Gas, Inc.
Affidavit	JB Exploration I, LLC	Jay-Bee Oil & Gas, Inc.

Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

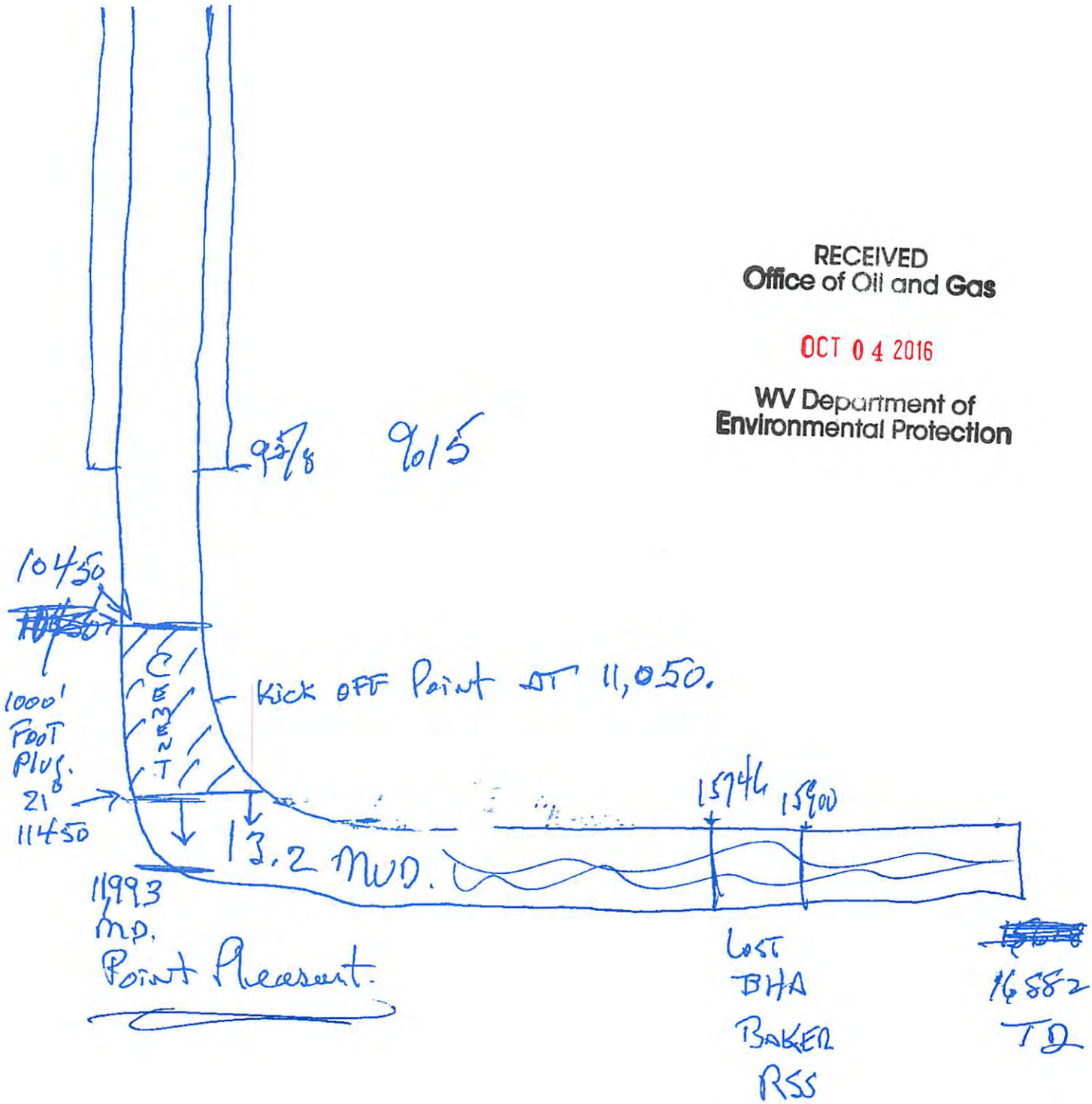
The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Jay-Bee Oil & Gas, Inc.
By: Shane Dowell
Its: Office Manager

Shane Dowell

Diagram To Lateral 2 modification 1 10/4/16

MEASURED DEPTH (MD)



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Office of Oil and Gas
OCT 04 2016
WV Department of Environmental Protection

From: Smith, Gene C [mailto:Gene.C.Smith@wv.gov]
Sent: Monday, October 03, 2016 12:48 PM
To: bpaugh@jaybeeoil.com
Cc: Adkins, Laura L <Laura.L.Adkins@wv.gov>
Subject: dopey mod

Brian per our phone conversation there are several items our office will need to modify the Dopey 7A:
-letter or email detailing what happened and the need for the mod
Lateral 1 (original well)—drilled to 500' from td, decided to call the well short due to crossing a fracture taking 30 bbls an hour of mud at 16.920', went to trip out of hole, BHA got stuck at 2000' off of bottom, tried to get free for 3 days (went thru 2 sets of jars)—plugged back—procedure——bottom hole under cement plug was filled with 13.2# mud--ran drill pipe to 11600, spotted 1000' solid plug (84 bbls with excess)-pulled up to 10400 do bottoms up to clean drill pipe

Lateral 2—drilled well to 16882, just shy of the fracture—td'd –went to pull out of the hoe with circulation and rotation –stopped at 1000' off of bottom- got stuck—spent 8 days trying to shoot/back off and free –then plugged back—procedure—bottom hole under cement plug was filled with 13.2# mud--ran drill pipe to 11450, spotted 1000' solid plug (84 bbls with excess)-pulled up to 10300 do bottoms up to clean drill pipe
-the 3 third page of form ww-6B
-the plugging procedure used for the lateral lost
-Area of review per 35-8-5.11 below

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5.11. Area of Review-- The permittee shall review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation, a report of which the permittee shall provide to the Office with the application for well work. All existing active, plugged, abandoned, and undocumented wells within a five hundred feet (500') radius of the surface location of the well that is the subject of the new application and within a five hundred feet (500') radius of the lateral section of the wellbore shall be considered for the potential of unintended fracture propagation. The report shall detail those wells that are known or reasonably expected to penetrate a depth that could be within the range of the fracture propagation. The detail shall include at a minimum the API number, operator name, total depth, perforated formation(s) and producing zones not perforated. THERE ARE NO WELLS WITHIN 500' THAT ARE NEAR THE DEPTH OF THIS WELL

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7496 / Virus Database: 4656/13140 - Release Date: 10/03/16

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7797 / Virus Database: 4656/13140 - Release Date: 10/03/16

FORM WW-6

LATITUDE 39-27-30 N

Top Hole 6,500'

Bottom Hole 10,510'

Bottom Hole 3,815'

Top Hole 7,293'

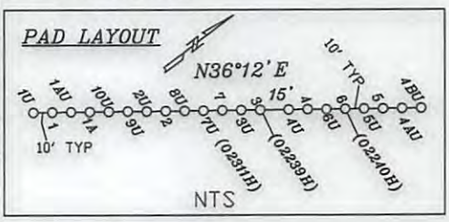
LONGITUDE 80-45-00 W

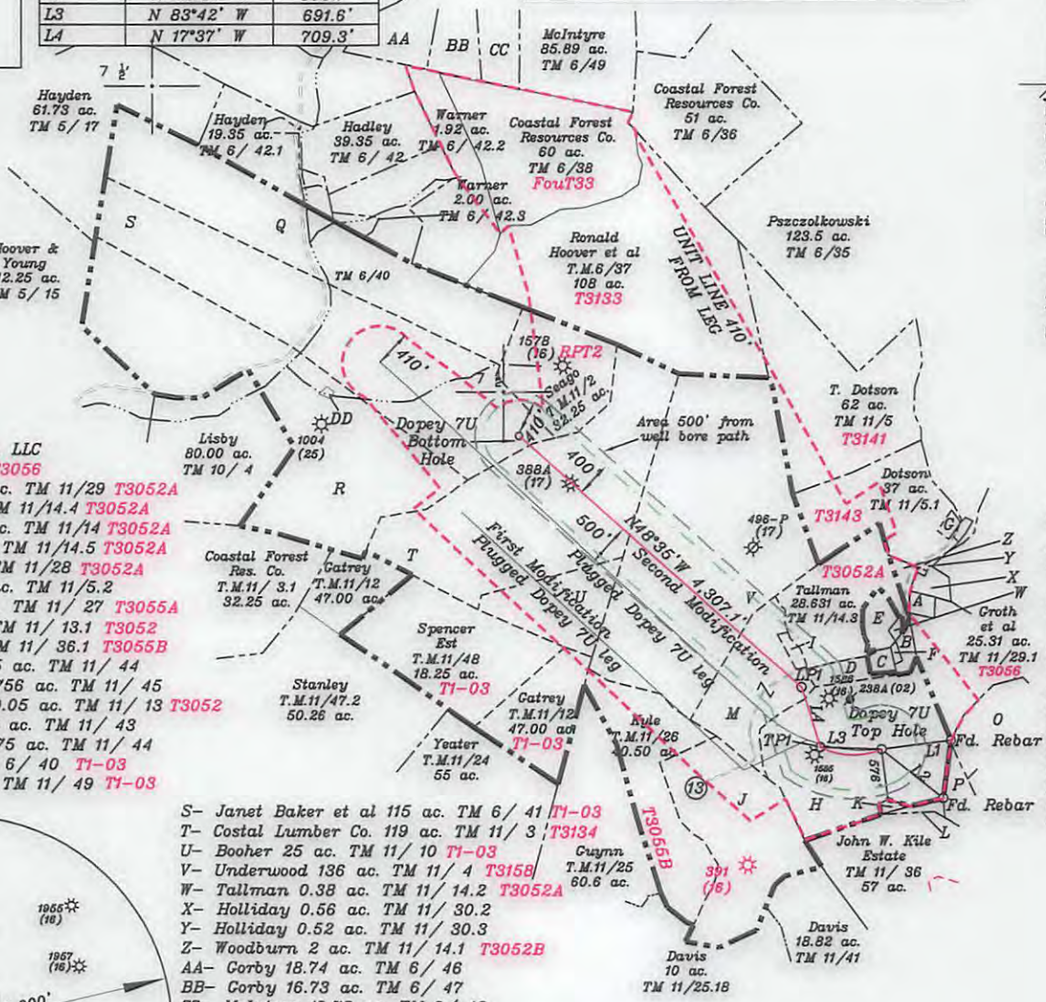
NORTH

References

Top Hole		
UTM NAD83(meter)-4365424.33 N. 519579.53 E		
Turning Point		
UTM NAD83(meter)-4365443.36 N. 519375.78 E		
Landing Point		
UTM NAD83(meter)-4365648.21 N. 519306.92 E		
Bottom Hole		
UTM NAD83(meter)-4366499.73 N. 518308.31 E		
NUMBER	DIRECTION	DISTANCE
L1	S 79°46' W	839.0'
L2	N 55°33' W	896.1'
L3	N 83°42' W	691.6'
L4	N 17°37' W	709.3'

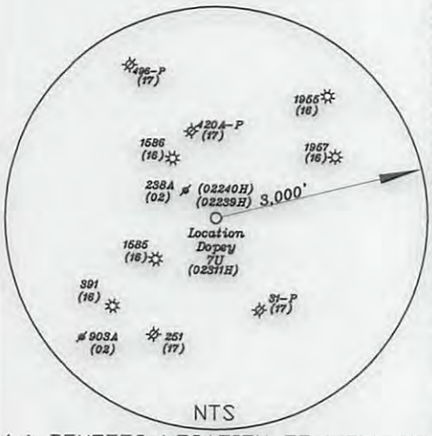
PAD LAYOUT





A- Jefferson Minerals, LLC 25.31 ac. TM 11/29 T3056
B- Riter (Life) 1.63 ac. TM 11/29 T3052A
C- Vincent 1.82 ac. TM 11/14.4 T3052A
D- Montgomery 2.18 ac. TM 11/14 T3052A
E- Tallman 5.135 ac. TM 11/14.5 T3052A
F- Stillson 0.37 ac. TM 11/28 T3052A
G- R. Dotson(Life) 1 ac. TM 11/5.2
H- Montgomery 65 ac. TM 11/27 T3055A
I- Woodburn 1.2 ac. TM 11/13.1 T3052
J- Kile Est. 50 ac. TM 11/36.1 T3055B
K- Woodburn et al 1.5 ac. TM 11/44
L- Woodburn et al 0.756 ac. TM 11/45
M- Woodburn et al 30.05 ac. TM 11/13 T3052
O- Woodburn et al 35 ac. TM 11/43
P- Woodburn et al 6.75 ac. TM 11/44
Q- Haught 93 ac. TM 6/40 T1-03
R- Nichols 133.71 ac. TM 11/49 T1-03

S- Janet Baker et al 115 ac. TM 6/41 T1-03
T- Costal Lumber Co. 119 ac. TM 11/3 T3134
U- Booher 25 ac. TM 11/10 T1-03
V- Underwood 136 ac. TM 11/4 T3158
W- Tallman 0.38 ac. TM 11/14.2 T3052A
X- Holliday 0.56 ac. TM 11/30.2
Y- Holliday 0.52 ac. TM 11/30.3
Z- Woodburn 2 ac. TM 11/14.1 T3052B
AA- Corby 18.74 ac. TM 6/46
BB- Corby 16.73 ac. TM 6/47
CC- McIntyre 19.78 ac. TM 6/48
DD - Henry Wright heirs 0.29 ac. TM 11/1 T1-03



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. Well bore path and surface hole location are over 400' from the unit boundary.
3. Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.
4. 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.
5. No deep wells were found within 3,000' of the leg, TH or BH

(+) 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.L.S. 708

DAVID JACKSON LICENSED No. 708 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE September 30, 2016
OPERATOR'S WELL NO. Dopey 7U
API WELL NO. 47 — 095 — 02311H MOD
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 910.64' WATER SHED Indian Creek
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER John & Patty Montgomery ACREAGE 65 ac.

OIL & GAS ROYALTY OWNER & LEASE NO. T3055A-John & Patty Montgomery; T3052-William F. & Janet Woodburn; T3158-Mark & Teresa Underwood; T3134-John W. Kerns Trust; T1-03-Darrell D. Wright

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) Second Modification of Leg

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION Utica ESTIMATED DEPTH TVD 11,801' ; TMD 18,009'

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

FORM WW-6

LATITUDE 39-27-30 N

Top Hole 6,500'

Bottom Hole 10,510'

Top Hole 7,293'

Bottom Hole 3,815'

LONGITUDE 80-45-00 W

NORTH

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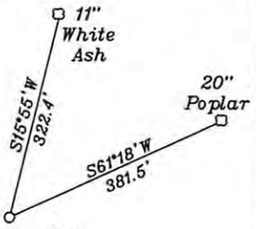

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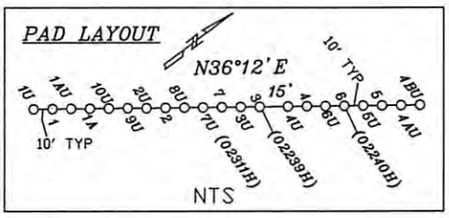

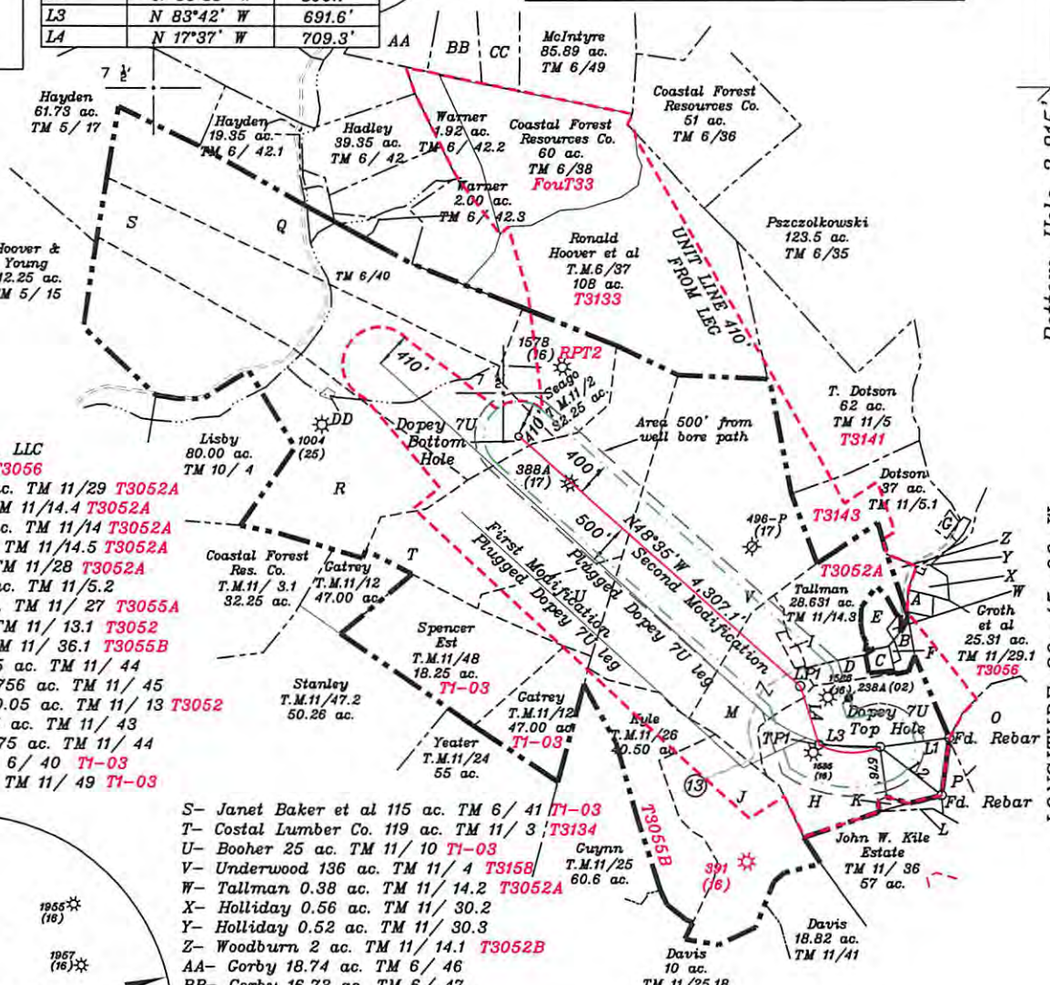

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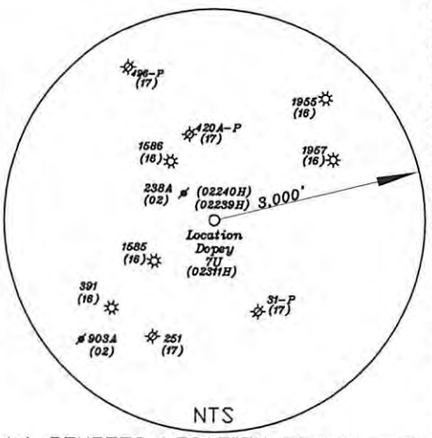

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(IF "GAS") PRODUCTION X STORAGE__ DEEP X SHALLOW__

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DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER John & Patty Montgomery ACREAGE 65 ac.

OIL & GAS ROYALTY OWNER & LEASE NO. T3055A-John & Patty Montgomery; T3052-William F. & Janet Woodburn; T3158-Mark & Teresa Underwood; T3134-John W. Kerns Trust; T1-03-Darrell D. Wright

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PLUG AND ABANDON__ CLEAN OUT AND REPLUG__

TARGET FORMATION Utica ESTIMATED DEPTH TVD 11,801' ; TMD 18,009'

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

FORM WW-6

LATITUDE 39-27-30 N

Top Hole 6,500'

Bottom Hole 10,510'

Bottom Hole 3,815'

Top Hole 7,293'

LONGITUDE 80-45-00 W

NORTH

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11" White Ash

20" Poplar

S15°55'W 322.4'

S61°18'W 381.5'

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Landing Point		
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NUMBER	DIRECTION	DISTANCE
L1	S 79°46' W	839.0'
L2	N 55°33' W	896.1'
L3	N 83°42' W	691.6'
L4	N 17°37' W	709.3'

PAD LAYOUT

N36°12'E

15'

10' TYP

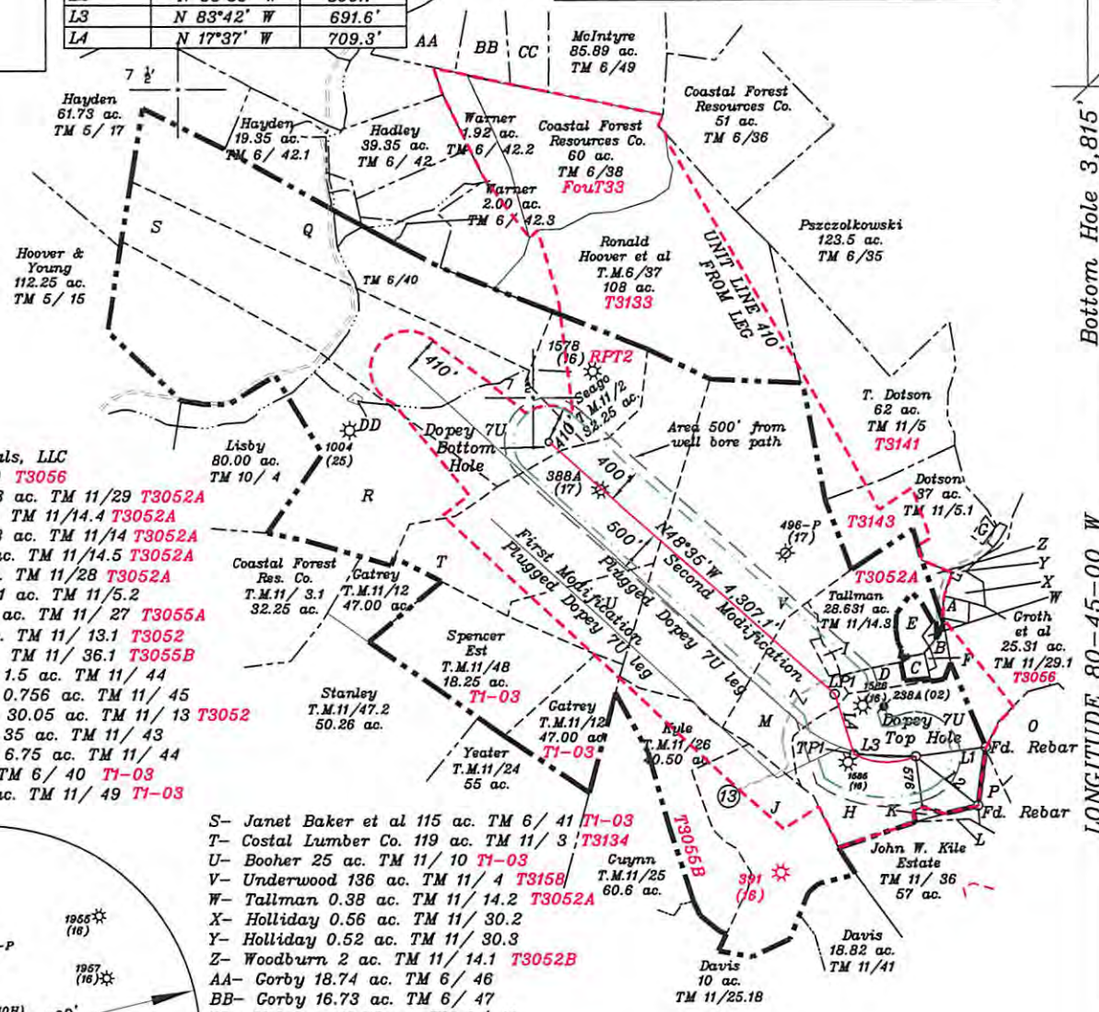
1U 1AU 1A 10U 9U 2U 2 8U 7U (02311H) 3U 7 (02239H) 4U 6U (02240H) 5U 4AU 4BU

NTS

Unit Boundary

Area 400' From Bore Path

Area 500' From Bore Path



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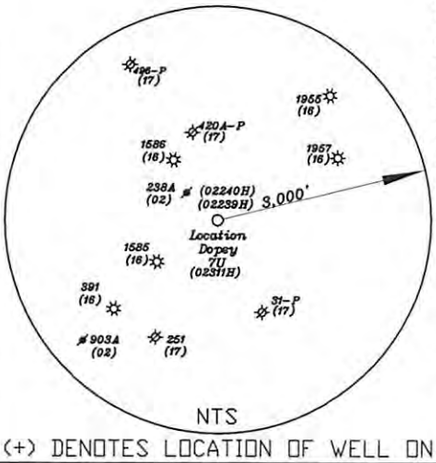

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DATE September 30, 2016
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47 — 095 — 02311H
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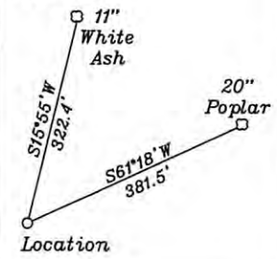

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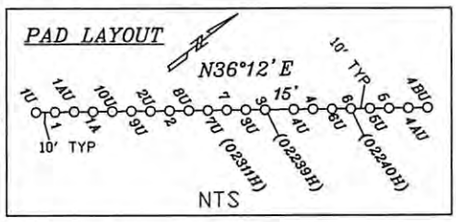

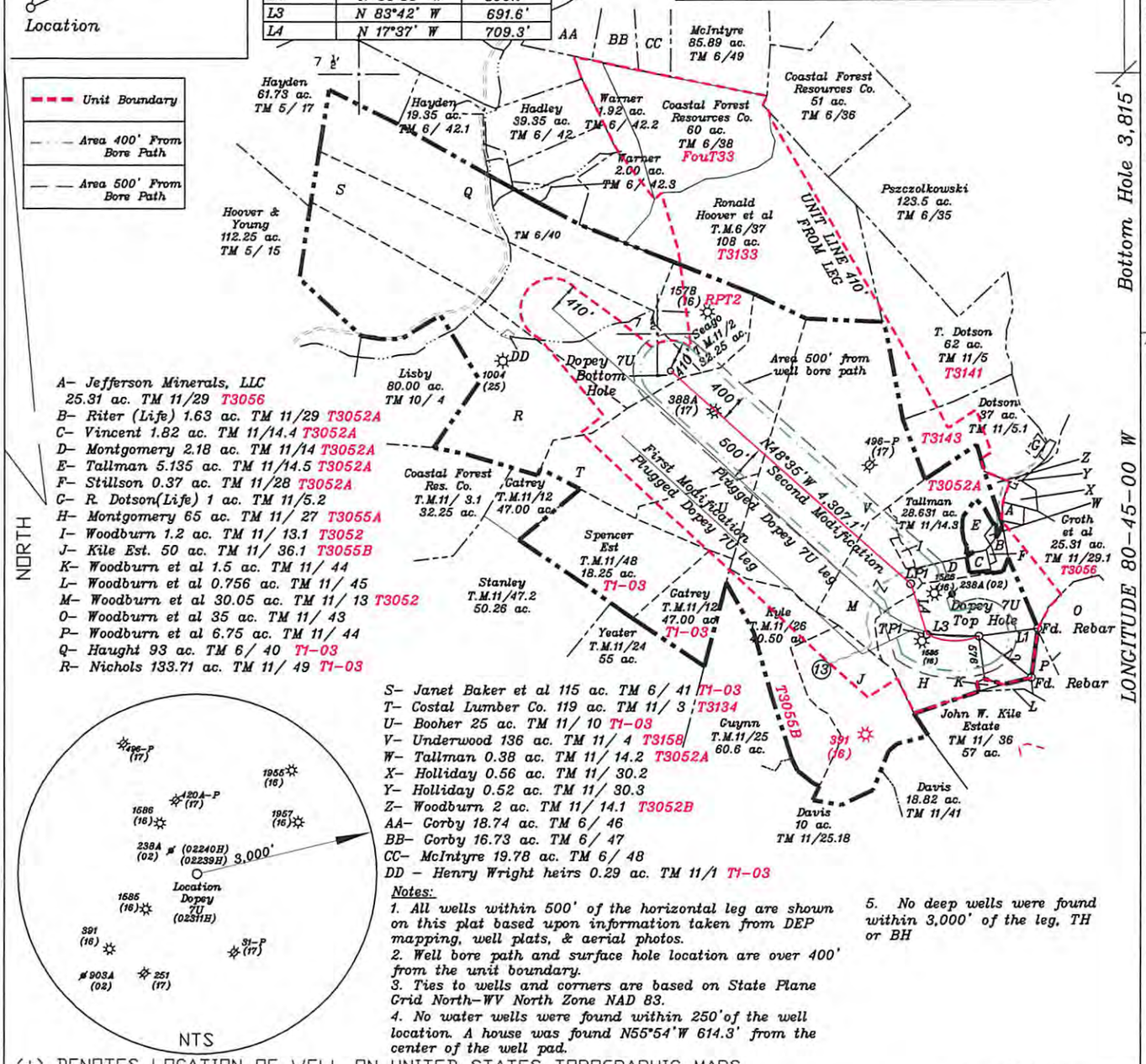

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NTS

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Location Dopey 7U (02311H)

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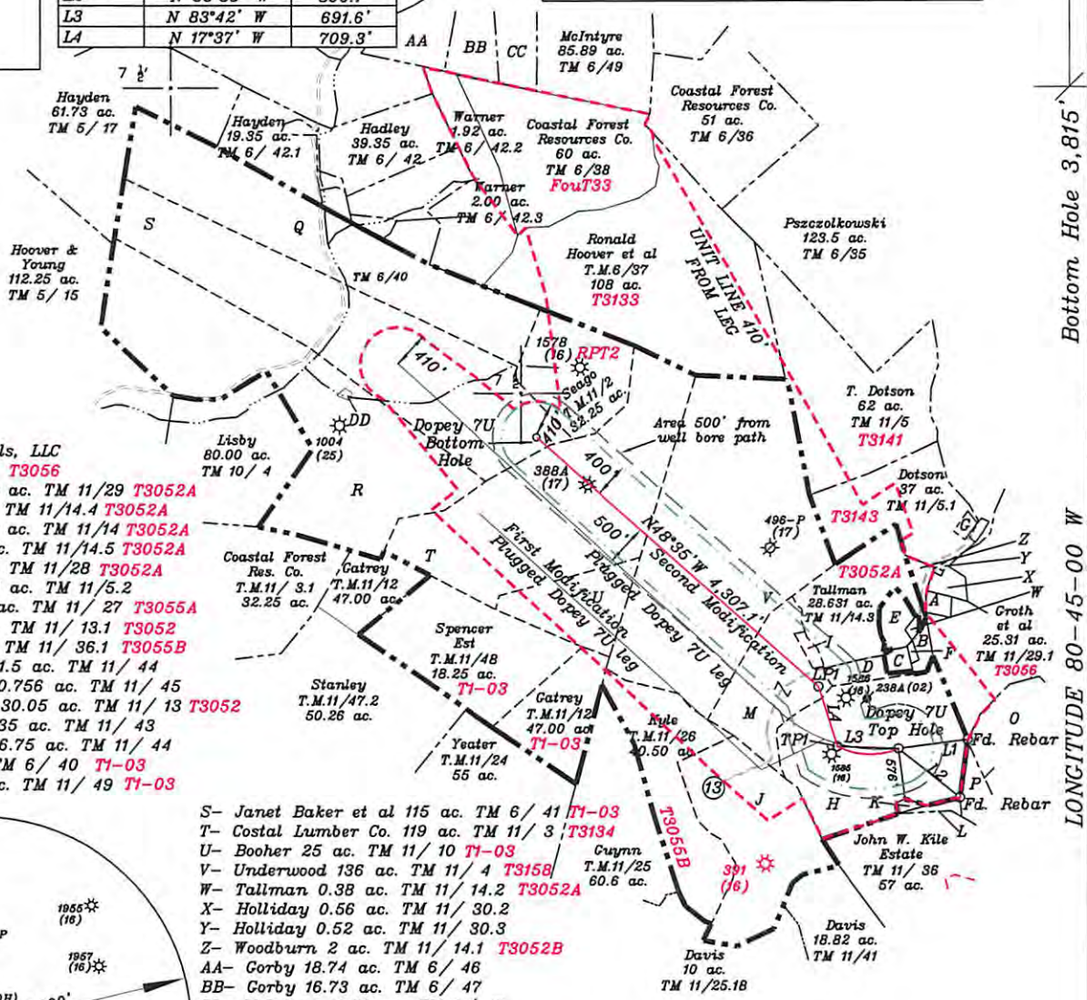

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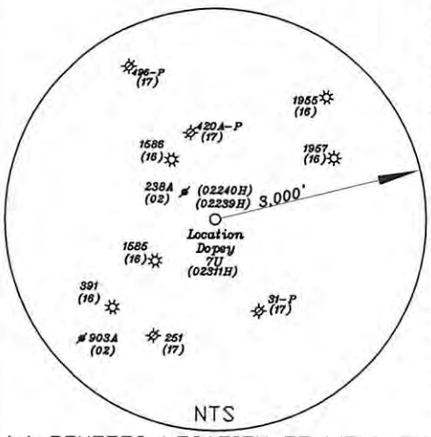

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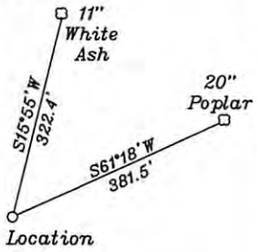

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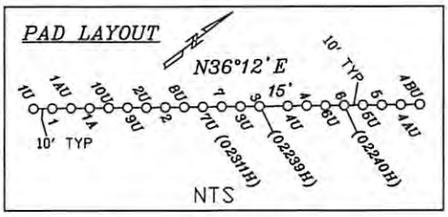
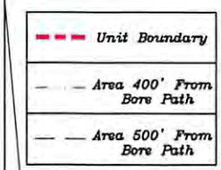
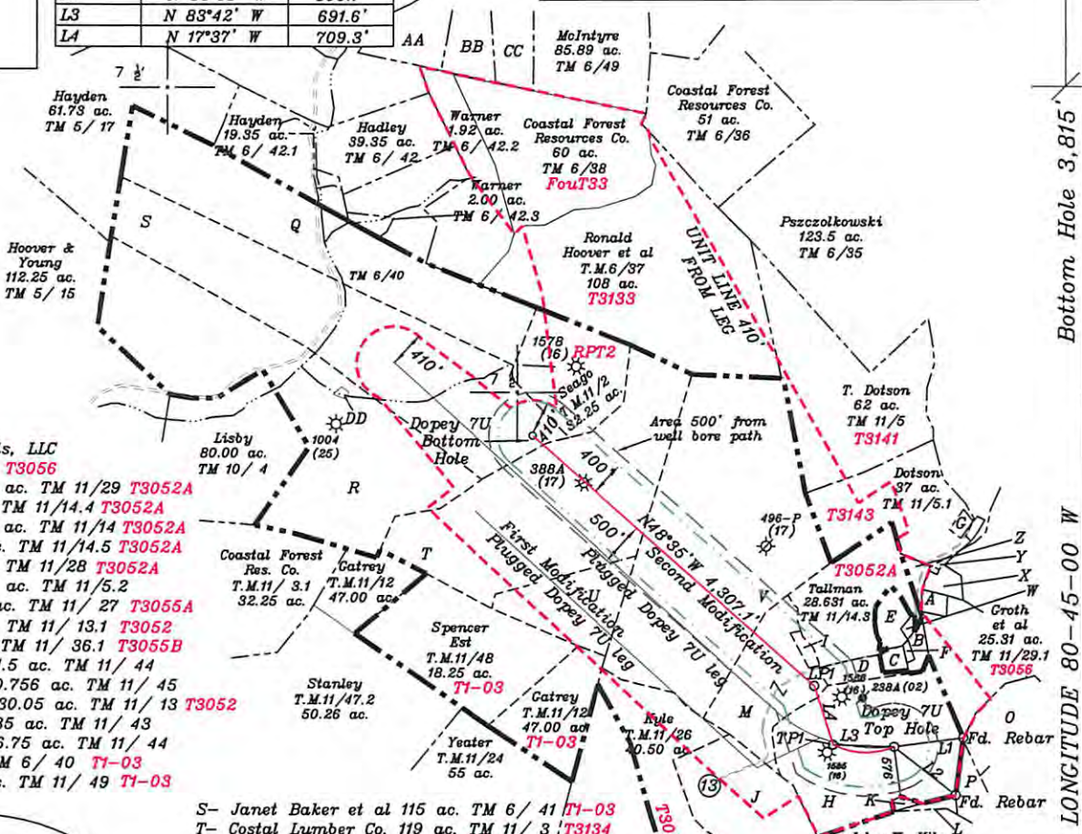
L2	N 55°33' W	896.1'
L3	N 83°42' W	691.6'
L4	N 17°37' W	709.3'

PAD LAYOUT







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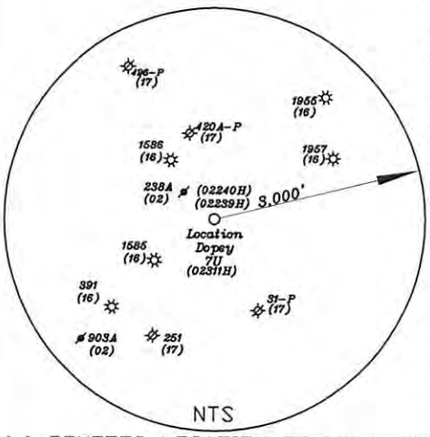

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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS submeter unit

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DAVID JACKSON LICENSED No. 708 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE September 30, 2016
OPERATOR'S WELL NO. Dopey 7U
API WELL NO.
47 — 095 — 02311H
STATE COUNTY PERMIT

WELL TYPE: OIL__ GAS X LIQUID INJECTION__ WASTE DISPOSAL__
(IF "GAS") PRODUCTION X STORAGE__ DEEP X SHALLOW__
LOCATION: ELEVATION 910.64' WATER SHED Indian Creek
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'
SURFACE OWNER John & Patty Montgomery ACREAGE 65 ac.
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PLUG AND ABANDON__ CLEAN OUT AND REPLUG__
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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

FORM WW-6

LATITUDE 39-27-30 N

Top Hole 6,500'

Bottom Hole 10,510'

Top Hole 7,293'

Bottom Hole 3,815'

LONGITUDE 80-45-00 W

NORTH

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11" White Ash

20" Poplar

S15°55'W 322.4'

S61°18'W 381.5'

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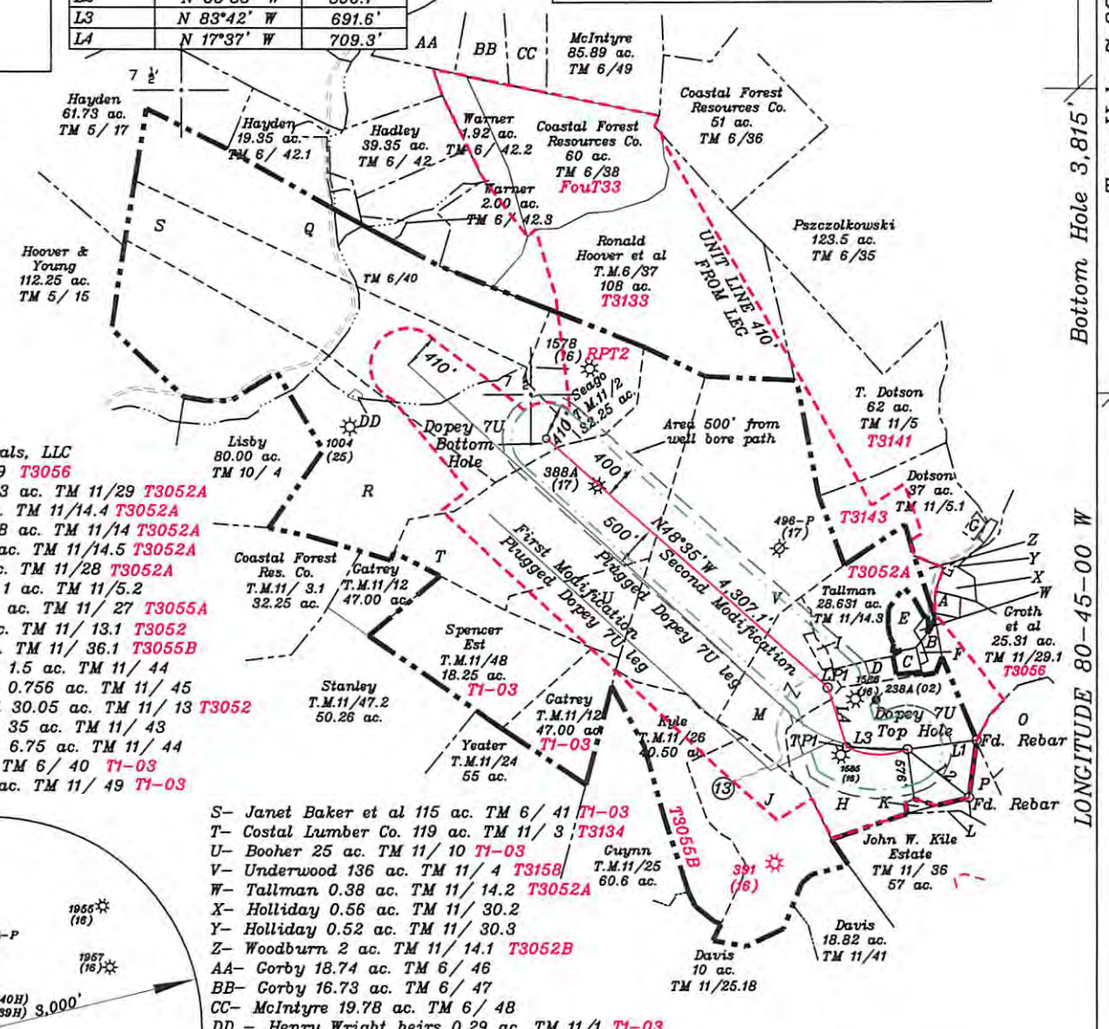
NTS

Unit Boundary

Area 400' From Bore Path

Area 500' From Bore Path



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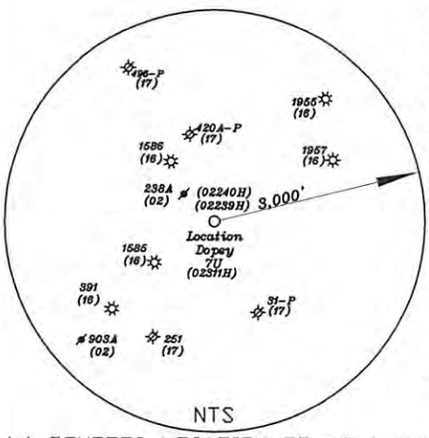

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STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

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47 — 095 — 02311H
STATE COUNTY PERMIT

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Top Hole 7,293'

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20" Poplar

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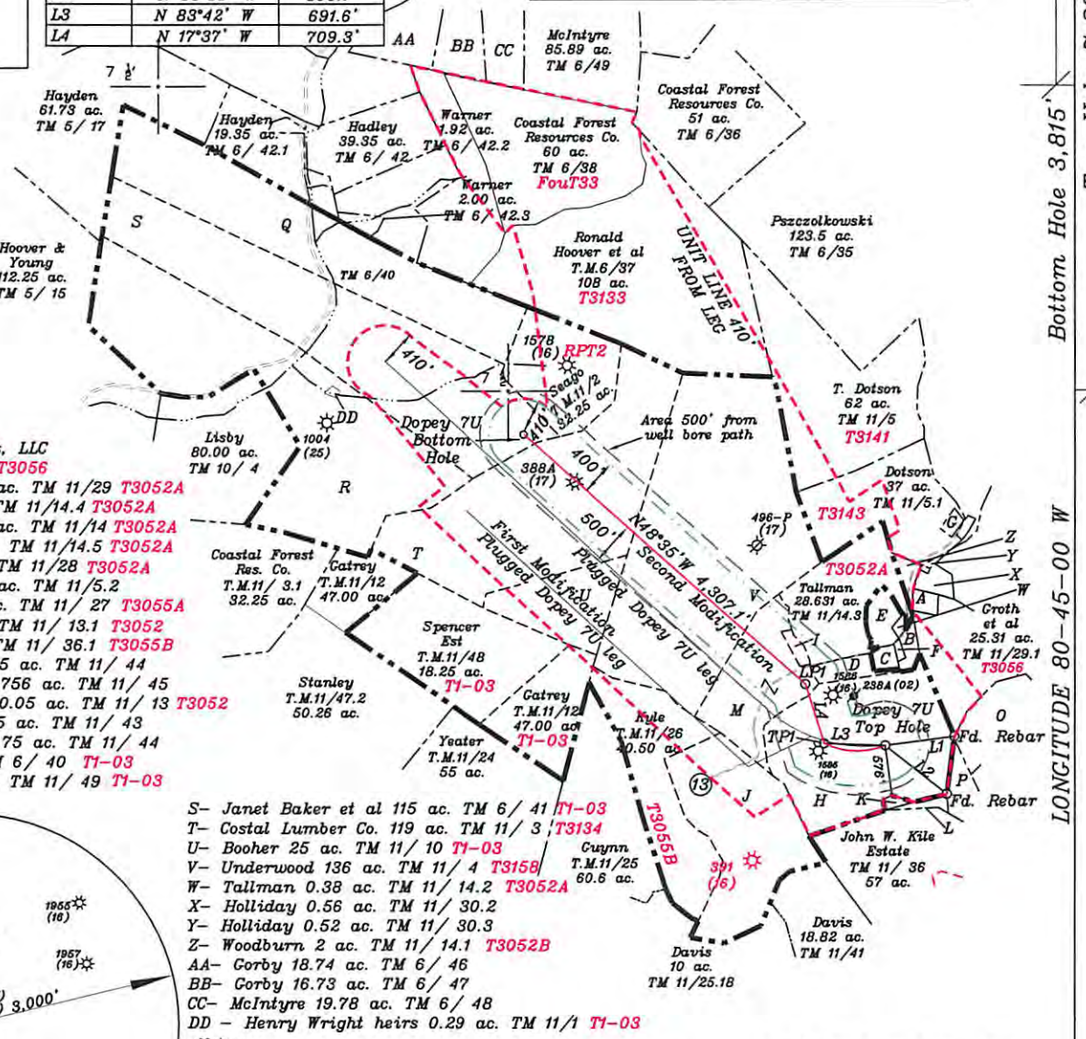

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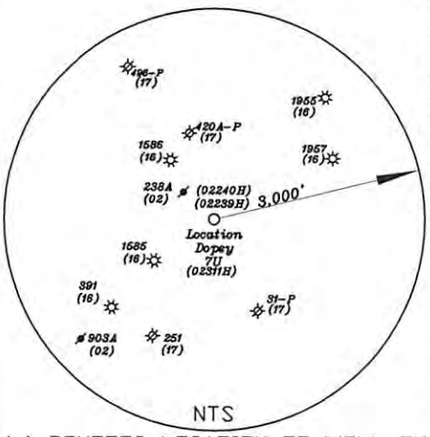

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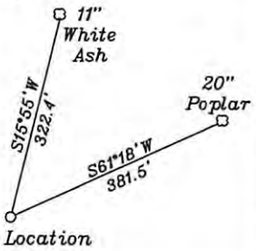

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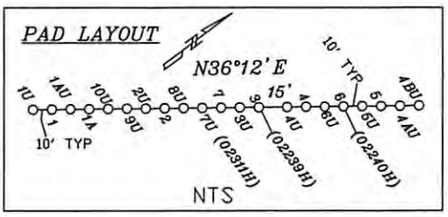

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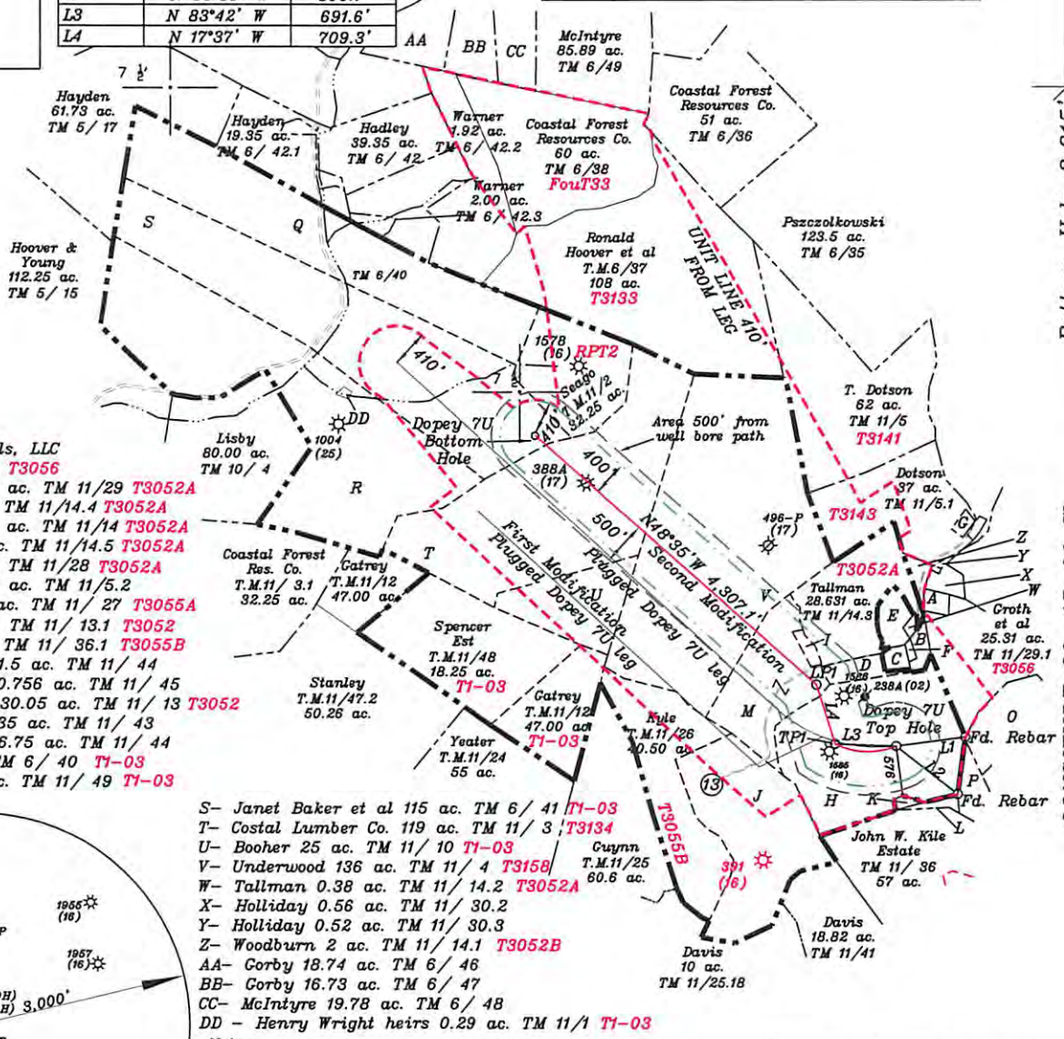

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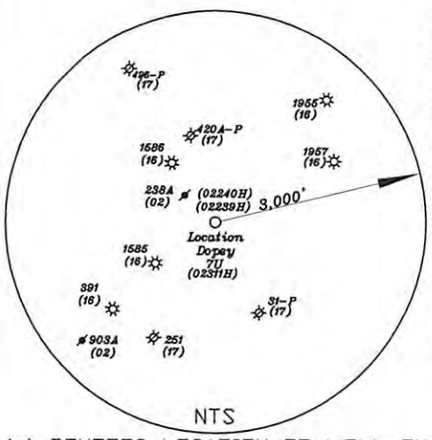

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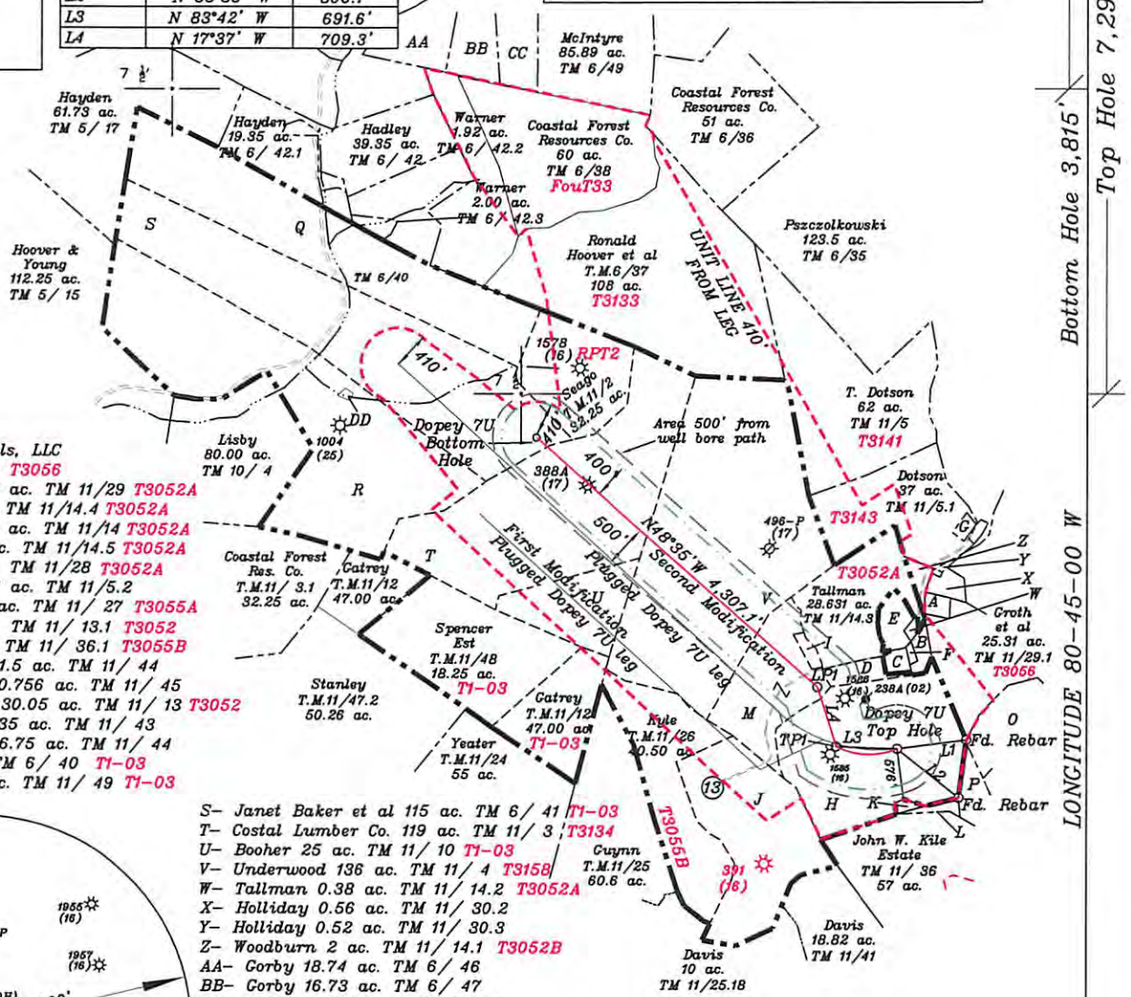
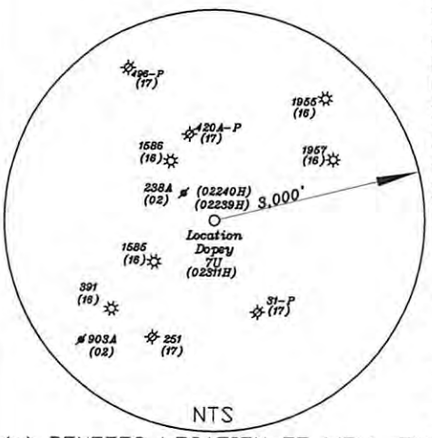
Area 400' From Bore Path

Area 500' From Bore Path



A– Jefferson Minerals, LLC 25.31 ac. TM 11/29 T3056
B– Riter (Life) 1.63 ac. TM 11/29 T3052A
C– Vincent 1.82 ac. TM 11/14.4 T3052A
D– Montgomery 2.18 ac. TM 11/14 T3052A
E– Tallman 5.135 ac. TM 11/14.5 T3052A
F– Stillson 0.37 ac. TM 11/28 T3052A
G– R. Dotson(Life) 1 ac. TM 11/5.2
H– Montgomery 65 ac. TM 11/ 27 T3055A
I– Woodburn 1.2 ac. TM 11/ 13.1 T3052
J– Kile Est. 50 ac. TM 11/ 36.1 T3055B
K– Woodburn et al 1.5 ac. TM 11/ 44
L– Woodburn et al 0.756 ac. TM 11/ 45
M– Woodburn et al 30.05 ac. TM 11/ 13 T3052
O– Woodburn et al 35 ac. TM 11/ 43
P– Woodburn et al 6.75 ac. TM 11/ 44
Q– Haught 93 ac. TM 6/ 40 T1-03
R– Nichols 133.71 ac. TM 11/ 49 T1-03

S– Janet Baker et al 115 ac. TM 6/ 41 T1-03
T– Costal Lumber Co. 119 ac. TM 11/ 3 T3134
U– Booher 25 ac. TM 11/ 10 T1-03
V– Underwood 136 ac. TM 11/ 4 T3158
W– Tallman 0.38 ac. TM 11/ 14.2 T3052A
X– Holliday 0.56 ac. TM 11/ 30.2
Y– Holliday 0.52 ac. TM 11/ 30.3
Z– Woodburn 2 ac. TM 11/ 14.1 T3052B
AA– Gorby 18.74 ac. TM 6/ 46
BB– Gorby 16.73 ac. TM 6/ 47
CC– McIntyre 19.78 ac. TM 6/ 48
DD – Henry Wright heirs 0.29 ac. TM 11/1 T1-03



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. Well bore path and surface hole location are over 400' from the unit boundary.
3. Ties to wells and corners are based on State Plane Grid North–WV North Zone NAD 83.
4. 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.
5. No deep wells were found within 3,000' of the leg, TH or BH

(+) 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.L.S. 708

DAVID JACKSON LICENSED No. 708 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE September 30, 2016
OPERATOR'S WELL NO. Dopey 7U
API WELL NO.
47 — 095 — 02311H
STATE COUNTY PERMIT

WELL TYPE: OIL__ GAS X LIQUID INJECTION__ WASTE DISPOSAL__
(IF "GAS") PRODUCTION X STORAGE__ DEEP X SHALLOW__

LOCATION: ELEVATION 910.64' WATER SHED Indian Creek
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER John & Patty Montgomery ACREAGE 65 ac.
OIL & GAS ROYALTY OWNER & LEASE NO. T3055A–John & Patty Montgomery; T3052–William F. & Janet Woodburn; T3158–Mark & Teresa Underwood; T3134–John W. Kerns Trust; T1-03–Darrell D. Wright

PROPOSED WORK: DRILL X CONVERT__ DRILL DEEPER__ REDRILL__ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION__ PERFORATE NEW Second FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Modification of Leg

PLUG AND ABANDON__ CLEAN OUT AND REPLUG__

TARGET FORMATION Utica ESTIMATED DEPTH TVD 11,801' ; TMD 18,009'

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

FORM WW-6

LATITUDE 39-27-30 N

Top Hole 6,500'

Bottom Hole 10,510'

Top Hole 7,293'

Bottom Hole 3,815'

LONGITUDE 80-45-00 W

NORTH

References

11" White Ash

20" Poplar

S15°55'W 322.4'

S61°18'W 381.5'

Location

Top Hole		
UTM NAD83(meter)-4365424.33 N. 519579.53 E		
Turning Point		
UTM NAD83(meter)-4365443.36 N. 519375.78 E		
Landing Point		
UTM NAD83(meter)-4365648.21 N. 519306.92 E		
Bottom Hole		
UTM NAD83(meter)-4366499.73 N. 518308.31 E		
NUMBER	DIRECTION	DISTANCE
L1	S 79°46' W	839.0'
L2	N 55°33' W	896.1'
L3	N 83°42' W	691.6'
L4	N 17°37' W	709.3'

PAD LAYOUT

N36°12'E

1U 1AU 10U 9U 2U 2AU 8U 7U (02311H) 3U (02239H) 4U 6U (02240H) 5U 4AU 4BU

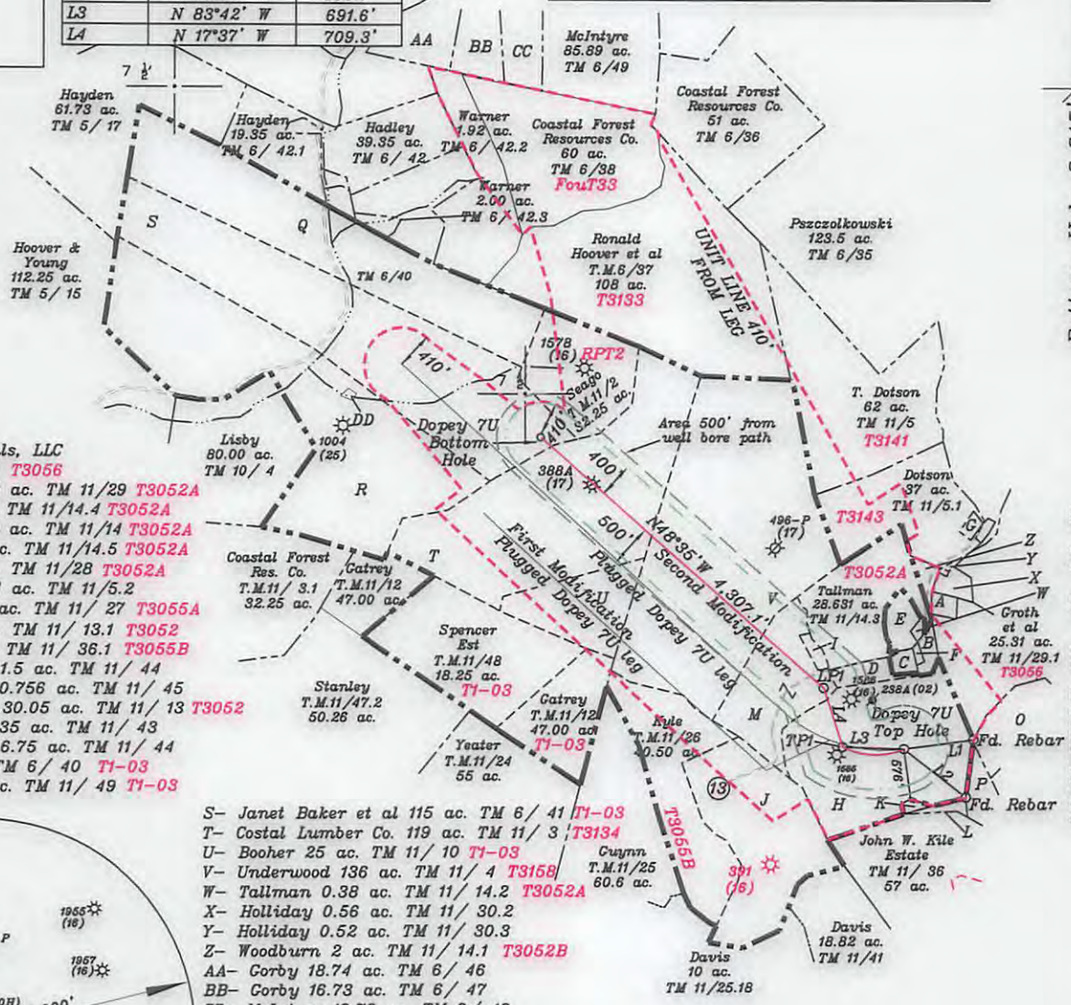
10' TYP 15' 10' TYP

NTS

Unit Boundary

Area 400' From Bore Path

Area 500' From Bore Path



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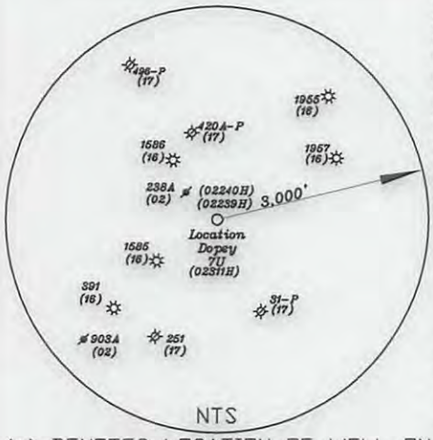

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