



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, August 9, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

TRIBUNE RESOURCES, LLC
3861 AMBASSADOR CAFFERY PARKWAY, SUITE 600
LAFAYETTE, LA 70503

Re: Permit Modification Approval for BFT 2H
47-095-02832-00-00

Extended Lateral Length

TRIBUNE RESOURCES, LLC

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.

A blue ink signature of James A. Martin, Chief, is written in a cursive style. Below the signature, the name and title are printed in a black, sans-serif font.

James A. Martin
Chief

Operator's Well Number: BFT 2H
Farm Name: WV DNR PUBLIC LANDS CORP.
U.S. WELL NUMBER: 47-095-02832-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/9/2024

Promoting a healthy environment.

08/16/2024

Ch# 2172
\$ 2500.00

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

1) Well Operator: Tribune Resources, LLC

<u>494522341</u>	<u>Tyler</u>	<u>McElroy</u>	<u>Center Point</u>
------------------	--------------	----------------	---------------------

Operator ID County District Quadrangle

2) Operator's Well Number: BFT 2H Well Pad Name: BFT

3) Farm Name/Surface Owner: WV DNR Public Lands Corp Public Road Access: CR 13/8

4) Elevation, current ground: 880' Elevation, proposed post-construction: 880'

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 Associated Pressure(s):
Target formation: Marcellus, Down-Dip well, Target top TVD 6905', Target base 6955', Anticipated thickness: 50', Anticipated Pressure: 4600 psi

8) Proposed Total Vertical Depth: 6,933'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 19,915'

11) Proposed Horizontal Leg Length: 11,930'

12) Approximate Fresh Water Strata Depths: 504'

13) Method to Determine Fresh Water Depths: Based on drilling history in nearby wells

14) Approximate Saltwater Depths: 975'

15) Approximate Coal Seam Depths: 1270'

16) Approximate Depth to Possible Void (coal mine, karst, other): None anticipated

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: _____

RECEIVED
Office of Oil and Gas

JUL 26 2024

WV Department of
Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	120'	120'	225, SX/CTS
Fresh Water	13-3/8"	New	J-55	54.5#	650'	650'	635, SX/CTS
Coal							
Intermediate	9-5/8"	New	J-55	40#	3000'	3000'	1405, SX/CTS
Production	5-1/2"	New	P-110	20#	19,915'	19,915'	4300, SX/CTS
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Max. Associated Surface Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	26"	0.438"	2110	50	Class A	1.2/50% Excess
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	800	HalCem	1.2/30% Excess
Coal							
Intermediate	9-5/8"	12-1/4"	0.395"	3950	1500	HalCem	1.378/30% Excess
Production	5-1/2"	8-3/4"	0.361	12640	5000	NeoCem	1.04/31% Excess
Tubing							
Liners							

PACKERS

Kind:			RECEIVED Office of Oil and Gas
Sizes:			JUL 26 2024
Depths Set:			WV Department of Environmental Protection

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

The well will be spud using a conductor rig. It will drill down 100' per the casing program. It will set 20" casing and circulate cement back to surface. The conductor rig will move off location, a rig capable of drilling to TD will be moved in to complete the well. We will drill to 650' on fluid and set a 13-3/8" fresh water casing string. Drilling will continue to 3,000' where 9-5/8" casing will be set. Note: If we should encounter a void during drilling, a cement basket will be placed above and below void area-balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. (*If freshwater is encountered deeper than anticipated, it must be protected, set casing 50' below and cement to surface) We will continue drilling the well to total depth and run/cement casing as per the

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

Multi-stage slickwater fracturing with frac sand. Wireline conveyed pump down frac plug and perforating to isolate frac stages. Maximum pressure will be 10,000 psig. and maximum rate will be 95 bpm.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 4

22) Area to be disturbed for well pad only, less access road (acres): 3.54

23) Describe centralizer placement for each casing string:

Conductor: N/A
Surface: Centralizer every 3 joints or 120'
Intermediate: Centralizer every 3 joints or 120'
Production: Run 1 spiral centralizer every 120' from TD to the top of the curve
Run 1 spiral centralizer every 200' from the top of the curve to surface

RECEIVED
Office of Oil and Gas
JUL 26 2024
WV Department of
Environmental Protection

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

Conductor: Class A cement (see attachment for complete description)
Surface: Class A cement (see attachment for complete description)
Intermediate: Class A cement (see attachment for complete description)
Productions: /50-50 Poz/Class A lead, Class A cement tail (see attachment for complete description)

25) Proposed borehole conditioning procedures:

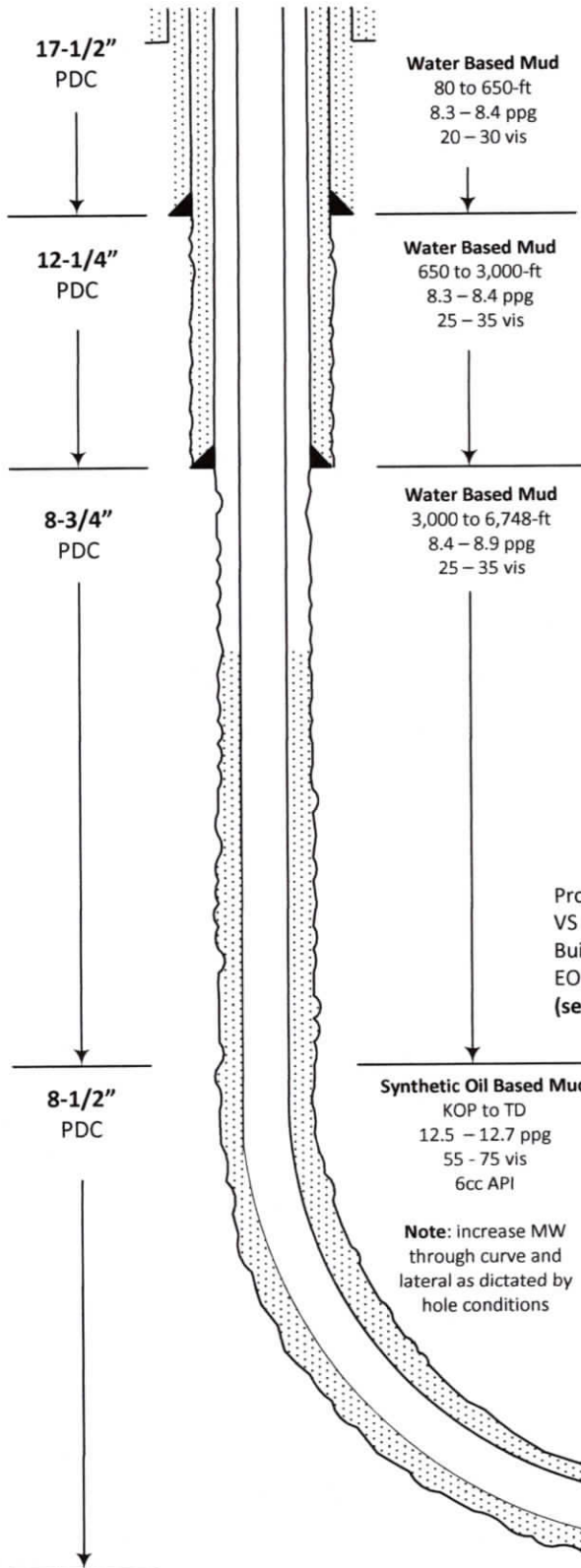
The wellbore will be properly circulated at TD of each section until as much residual drill cuttings have been removed from the wellbore as possible, residual gas has been circulated out and the mud and wellbore are both in good, stable condition. Mud properties will be adjusted, if needed to ensure clean hole. Hole cleaning times will vary by hole section and from well to well.

*Note: Attach additional sheets as needed.



BFT 2H

County, State: Tyler, West Virginia		Township:	Location:	Formation: Marcellus
Coordinates: NAD 83	SHL Lat/Long: N 4367971.2, E 526677.1		RKB / Elevation: 905'/880'	AFE DC/CWC:
	BHL Lat/Long: N 4364462.2, E 527968.0			USDW: 504'
Rig: TBD	Target Line:		API 47-095-02832	
				AFE #:



Interval	Hole size (in)	Size (in)	Weight #/ft	Grade	Conn.	Collapse (PSI)	Burst (PSI)	Depth (ft)	Cost \$/ft
Conductor	26"	20"	-	-	-	-	-	120	
Surface	17-1/2"	13-3/8"	54.5	J-55	BTC	1,130	2,730	650	
Intermediate	12-1/4"	9-5/8"	40	J-55	LTC	2,570	3,950	3,000	
Production	8-3/4"	5-1/2"	20	P-110	TBD	11,080	12,640	19,915	

Interval	Slurry	Weight	Ft ³	Yeild	Excess	Cement Top
Conductor	Tail	15.6 ppg	225	1.20 cuft/sk	50%	Surface
	Lead					
Surface	Tail	15.6 ppg	633	1.20 cuft/sk	30%	Surface
	Lead					
Intermediate	Tail	15 ppg	1,405	1.29 cuft/sk	30%	Surface
	Lead					
Production	Tail	15.2 ppg	4,300	1.12 cuft/sk	10%	4,284'
	Lead					

Proposed KOP at 6,748-ft MD
 VS at KOP is -585-ft (nudge)
 Build 8°/100-ft to 90° inc., 150° azi.
 EOB at 7,986-ft MD
 (see directional plan for specific details)

Synthetic Oil Based Mud
 KOP to TD
 12.5 – 12.7 ppg
 55 – 75 vis
 6cc API

Note: increase MW through curve and lateral as dictated by hole conditions

EOC at 7,986-ft MD / 6,933-ft TVD
 90.5° inc., 150° azi., 97-ft VS
 (see directional plan for specific details)

RECEIVED
 Office of Oil and Gas

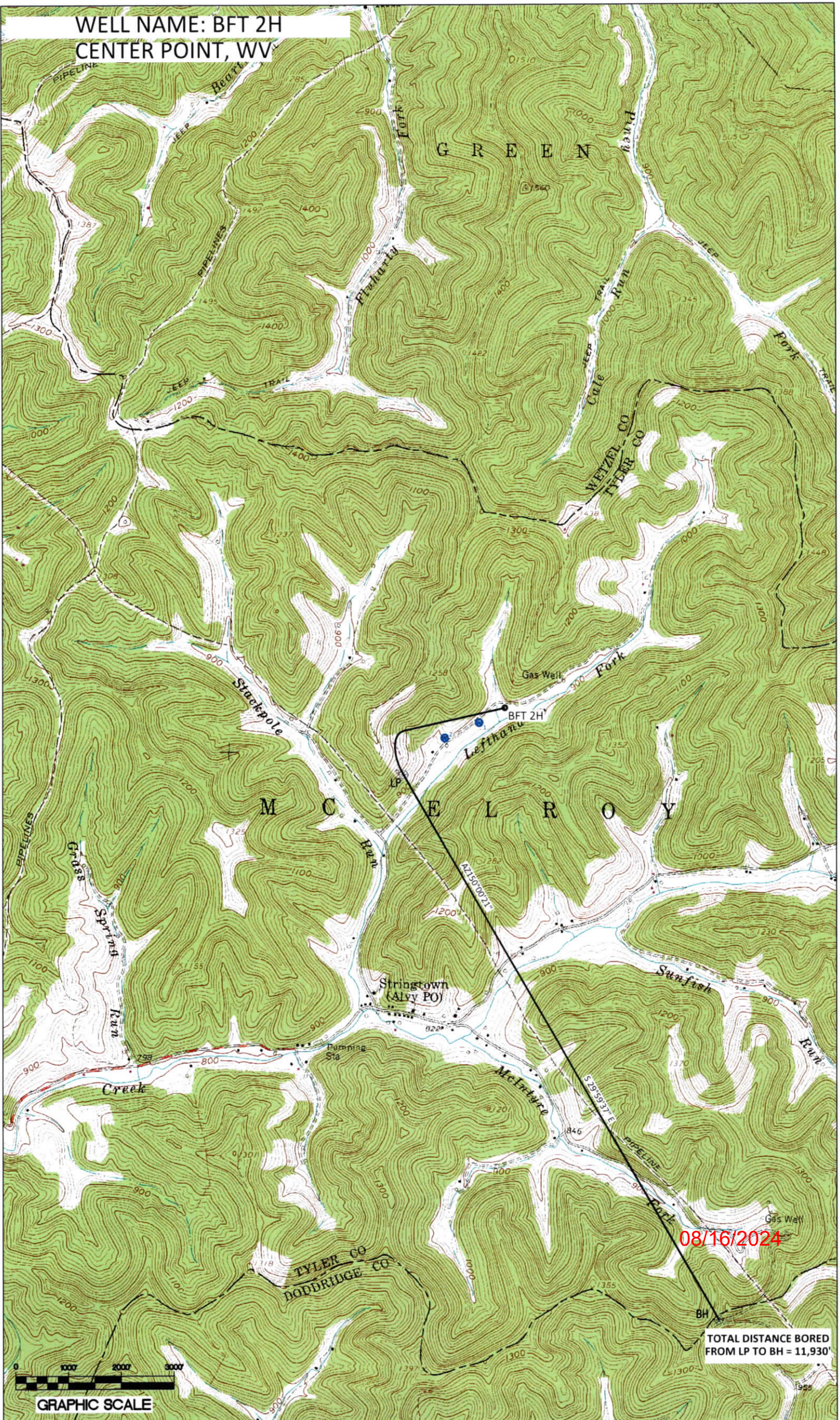
JUL 26 2024

WV Department of
 Environmental Protection

TD at 19,915-ft MD / 6,933-ft TVD
 90° inc., 150° azi., 9,855-ft VS

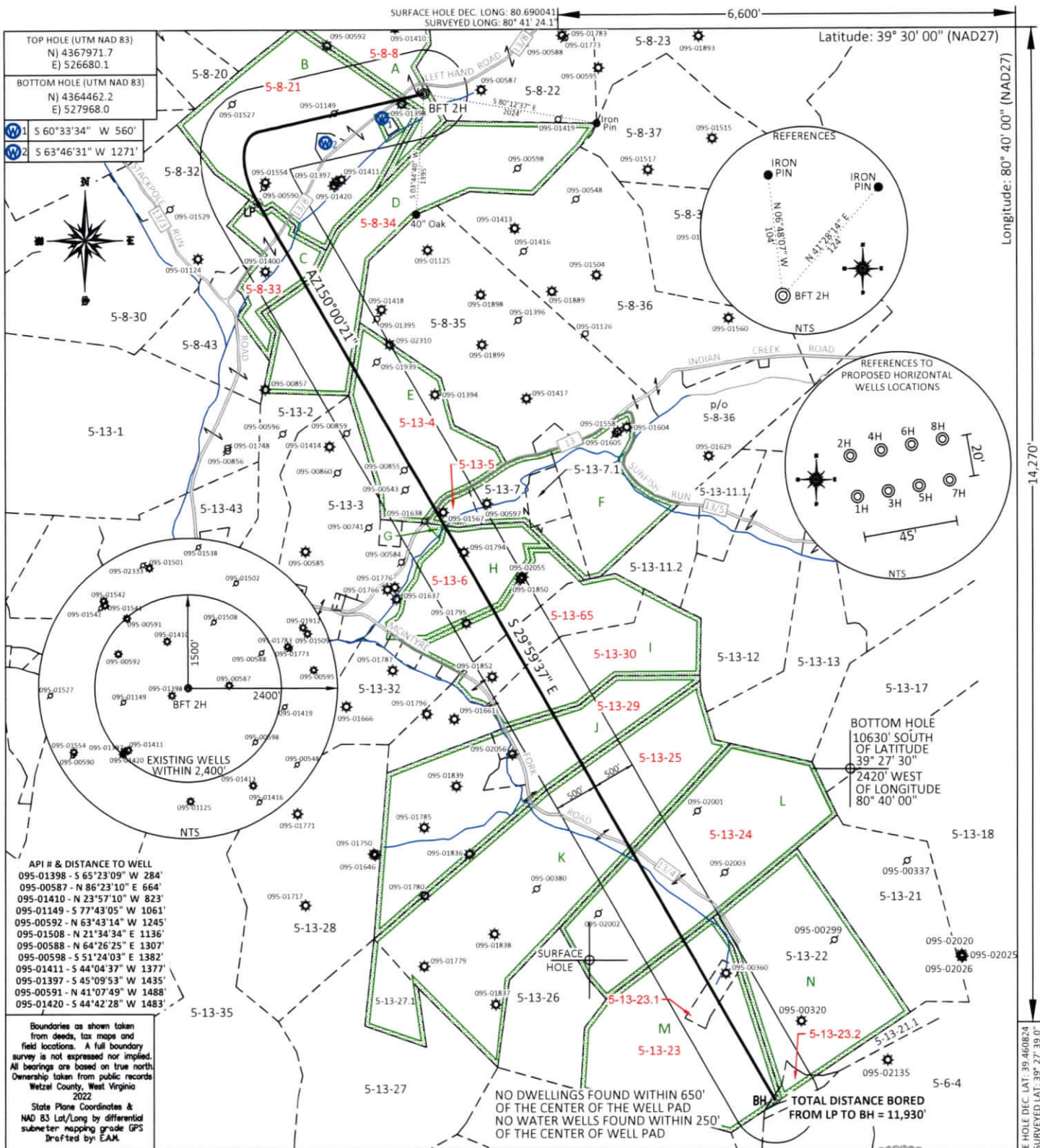
08/16/2024

WELL NAME: BFT 2H
CENTER POINT, WV



08/16/2024

TOTAL DISTANCE BORED
FROM LP TO BH = 11,930'



FILE #: TRB2
 DRAWING #: 3083
 SCALE: PLAT: 1" = 1600'
 TICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 Signed: *[Signature]*
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WYDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Diposal Production Deep Gas Liquid Injection Storage Shallow
 WATERSHED: OUTLET MIDDLE ISLAND CREEK
 COUNTY/DISTRICT: TYLER / McELROY
 SURFACE OWNER: WEST VIRGINIA DEPT. OF NATURAL RESOURCES
 OIL & GAS ROYALTY OWNER: Tribune Resources, LLC, Et Al
 LEASE NUMBERS:
 TARGET FORMATION: MARCELLUS
 WELL OPERATOR: TRIBUNE RESOURCES, LLC
 ADDRESS: 3861 AMBASSADOR CAFFERY PARKWAY SUITE 600
 CITY: LAFAYETTE STATE: LA ZIP CODE: 70503

DATE: AUGUST 5, 2024
 OPERATOR'S WELL #: BFT 2H
 API WELL #: 47 95 02832
 STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 880'
 QUADRANGLE: CENTER POINT
 ACREAGE: 110.00 +/-
 ACREAGE: 985.25
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY):
 ESTIMATED DEPTH: TVD: 6,933' TMD: 19,915'
 DESIGNATED AGENT: HARMAN BROWN
 ADDRESS: 18396 MOUNTAINEER HIGHWAY
 CITY: WILEYVILLE STATE: WV ZIP CODE: 26581

08/16/2024

PROPERTY OWNER INDEX	
5-8-8	WV DEPT. OF NATURAL RESOURCES COMMERCE
5-8-21	JERRY L. WALTERS
5-8-33	JERRY L. WALTERS
5-8-34	ASCENT RESOURCES MARCELLUS MINERALS LLC
5-13-4	ASCENT RESOURCES MARCELLUS MINERALS LLC
5-13-5	FRED LOREN GLOVER JR ET AL
5-13-6	JASON GLOVER
5-13-65	MELBA JEAN TEMPLETON LIFE ESTATE
5-13-30	MELBA JEAN TEMPLETON LIFE ESTATE
5-13-29	KENNETH DALE NICE JR.
5-13-25	ROYCE J. & ROYAL J. WATTS
5-13-24	DONNA WOLF
5-13-23	JOSEPH & BARBARA S CUCHTA
5-13-23.1	THOMAS W & ANGELA M MORRIS
5-13-23.2	ALVY COMMUNITY CLUB

LEASE INDEX			
A	MARC00713-000	H	MARC01575-000
B	MARC00713-000	I	MARC03489-000
C	MARC00925-001	J	MARC01363-001
D	MARC00765-000	K	MARC01228-001
E	MARC00712-000	L	MARC01574-000
F	MARC00722-000	M	MARC05110-000
G	MARC01379-001	N	MARC05181-000

08/16/2024

FILE #: TRB2
DRAWING #: 3083
SCALE: N/A

DATE: AUGUST 5, 2024
OPERATOR'S WELL #: BFT 2H
API WELL #: 47 095 02832
STATE COUNTY PERMIT

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:

Tribune Resources, LLC is the record title owner of the leases identified herein. Listed below each lease is the applicable chain of title by which Tribune Resources, LLC was vested with title thereto. Please note, throughout the chain of title, various mergers and name changes occurred between the referenced companies. In several instances, no documentation was filed in the county records evidencing such a merger or name change. In those cases, we've directed your attention to the records of the West Virginia Secretary of State, where said documentation can be found.

Table with columns: Tract, Tax Map & Parcel, Fee/Lease No., Lessor/Assignor, Lessee/Assignee, Royalty/Instrument, Book/Page. Contains multiple rows for different tracts (1-6) and lease numbers (05-08-22, 05-08-08, 05-08-21, 05-08-21.1, 05-08-33, 05-08-34).

08/16/2024

WW-6A Notice of Application
BFT NORTH MCLRY TY 1H, 3H, 5H and 7H
BFT SOUTH MCLRY TY 2H, 4H, 6H and 8H

Surface Ownership				
Name	Address	City	ST	ZIP
State of WV Public Land Corp. Dept. Of Comm. LBR. & Envir. DNR	324 Fourth Avenue	South Charleston	WV	25303
WV Dept. of Natural Resources Commerce Division	324 Fourth Avenue	South Charleston	WV	25303

Coal Ownership				
Name	Address	City	ST	ZIP
NONE				

Water Ownership				
Name	Address	City	ST	ZIP
Jerry L. Walters	17 Stackpole Run Road	Jacksonburg	WV	26377

08/16/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, _____, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>526677.1</u>
County:	<u>TYLER</u>		Northing:	<u>4367971.2</u>
District:	<u>McELROY</u>	Public Road Access:		<u>CR 13/B</u>
Quadrangle:	<u>CENTER POINT</u>	Generally used farm name:		<u>WV DNR PUBLIC LAND CORPS</u>
Watershed:	<u>OUTLET MIDDLE ISLAND CREEK</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>[Signature]</u></p> <p>Print Name: <u>Brett W. McMillion</u></p> <p>Date: <u>July 23, 2024</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
--	--

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

08/16/2024