



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

Wednesday, August 28, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

TRIBUNE RESOURCES, LLC
3861 AMBASSADOR CAFFERY PARKWAY, SUITE 600

LAFAYETTE, LA 70503

Re: Permit approval for I. WILEY H-22
47-103-01688-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless 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: I. WILEY H-22
Farm Name: CAIMAN ENERGY
U.S. WELL NUMBER: 47-103-01688-00-00
Vertical Plugging
Date Issued: 8/27/2019

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date _____, 20____
2) Operator's
Well No. Wiley, I.A. H-22
3) API Well No. 47-103 - 01688 P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas ____/ Liquid injection X ____/ Waste disposal ____/
(If "Gas, Production ____ or Underground storage ____) Deep ____/ Shallow ____

5) Location: Elevation 1439' Watershed Fluharty Fork
District Green County Wetzel Quadrangle Centerpoint

6) Well Operator Tribune Resources, LLC 7) Designated Agent Harman Brown
Address 3861 Ambassador Caffery Blv Address 18396 Mountaineer Hwy.
Lafayette, LA 70503 Littleton, WV 26581

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Derek Haught Name TBD
Address P.O. Box 85 Address _____
Smithville, WV 26178

10) Work Order: The work order for the manner of plugging this well is as follows:
Attached

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5-1-19

Wiley, I.A. H-22

API No. 47-103-01688
 Elevation 1439'
 Latitude 39.496456
 Longitude -80.690446

TD 3422'
 Perfs Gordon 3272' 3340'

	Casing		Cement	
	Size	Depth	Sxs	Est. Top
Surface	8-5/8"	704	250	Circ-est.
Intermediate				
Production	4-1/2"	3384	170	2150'
Liner				

Procedure

Free point 4-1/2" production casing, back off, rip/cut, or perforate casing as direct by state inspector.
 RIH w/ work string, pump Gel 6% spacer between cement plugs.

Plugs	Material	Depth		Thickness feet
		Bottom	Top	
Formation	Cement	3200'	3100'	100
	Gel	3100'	2150'	950
4-12" casing	Cement	est 2150'	est 2050'	+/- 50' 100
	Gel	2050'	est. 1200'	850
Pitts' Coal	Cement	1200'	1084'	Top 1134' 116
	Gel	1084'	250'	834
Surface Casing	Cement	250'	150'	100 IF cement is not circulated
	Gel	150'	100'	50
Top Plug	Cement	100'	Surface	100

Gel: Fresh water with 6% + Bentonite clay by weight
 Cement: Class A

Tag all cement tops to confirm depth
 Clean up location. Erect monument with API No per WV code

★ Add 100' CLASS A CEMENT PLUG
 ACROSS 8 5/8" CASING SHOE FROM
 754' TO 654'.

JMM

DMH
 5-1-19

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 Office of Oil and Gas
 MAY 16 2019
 WV Department of
 Environmental Protection

WR-35

07-12-95

API # 47-103-1688-S

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: EVANS, JOHN ETAL

Operator Well No.: I.A. WILEY H-22

LOCATION: Elevation: 1,439'
District: GREEN
Latitude: 13,000 Feet south of
Longitude: 6,800' Feet west of

Quadrangle: CENTERPOINT
County: WETZEL
39 Deg 30 Min 0 Sec.
80 Deg 40 Min 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: RANDAL MICK

Permit Issued: 7/12/95

Well work Commenced: 7/14/95

Well work Completed: 11/13/95

Verbal plugging permission granted on: _____

Rotary X Cable _____ Rig _____

Total Depth (feet) 3,422'

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8	704'	704'	250 SKS
4 1/2"	3384.46'	3384.46'	170 SKS

OPEN FLOW DATA

*Waterflood Injection Well

Producing formation GORDON Pay zone depth (ft) 3272-3340
 Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d
 Final open flow * MCF/d Final open flow * Bbl/d
 Time of open flow between initial and final tests * Hours
 Static rock pressure * psig (surface pressure) after * Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow. _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

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MAY 16 2019

For: PENNZOIL PRODUCTS COMPANY

By:

Date:

Philip S. Ondrusek
4/8/96

WV Department of
Environmental Protection

Treatment: Perforated Gordon 3310-3318 (32 Holes) Treated via 4 1/2" Casing w/300 gal.
15% HCl Acid, 210 BBL gelled water & 10,000 LB 20/40 Sand.

Well Log:

Sand & Shale	0	-	1998'	
Sand	1998'	-	2029'	
Sand & Shale	2029'	-	2060'	
Shale	2060'	-	2211'	
Sand & Shale	2211'	-	2242'	
Sand	2242'	-	2273'	Drillers Log
Shale	2273'	-	2394'	
Sand	2394'	-	2519'	
Sand & Shale	2519'	-	2611'	
Shale	2611'	-	2643'	
Sand	2643'	-	2673'	
Sand & Shale	2673'	-	2736'	
Shale	2736'	-	3272'	
Gordon	3272'	-	3340'	Electric Log
T.D.	3422'			

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MAY 16 2019

WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Wiley, I.A. H-22 _____
3) API Well No.: 47 - 103 - 01688

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Caiman Energy</u>	Name <u>N/A</u>
Address <u>5949 Sherry Lane</u>	Address _____
<u>Suite 1300</u>	_____
(b) Name <u>Dallas, TX</u>	(b) Coal Owner(s) with Declaration
Address <u>75225</u>	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name _____
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

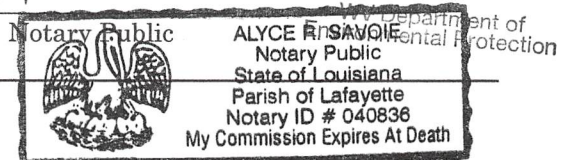
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator	<u>Tribune Resources, LLC</u>
By:	<u>Lee Lawson</u> 
Its:	<u>Regulatory/HSE Director</u>
Address	<u>3861 Ambassador Caffery BLVD, Suite 600</u>
	<u>Lafayette, LA 70503</u>
Telephone	<u>337-769-4064</u>

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MAY 16 2019

Subscribed and sworn before me this 5th day of April, 2019
Alyce R. Savoie
My Commission Expires with life



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

WW-9
(5/16)

API Number 47 - 103 - 01688
Operator's Well No. _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Tribune Resources, LLC OP Code 494514693

Watershed (HUC 10) Fluharty Fork Quadrangle Centerpoint

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No
Any well EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OF PROPERLY. gwm

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

*DMH
5-17-19*

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? NA

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-Landfill or offsite name/permit number? Wetzel County Landfill - Permit No. SWPUID: 17-10-04

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature *Lee Lawson*

Company Official (Typed Name) Lee Lawson

Company Official Title Regulatory/HSE Director

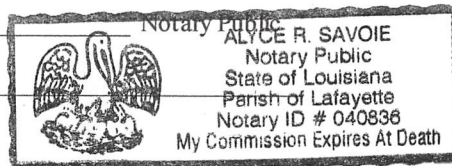
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Subscribed and sworn before me this 5th day of April, 20 19

Alyce R. Savoie

My commission expires with life



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Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20

Fertilizer amount 500 lbs/acre

Mulch Straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Tall Fescue 40

Ladino Clover 5

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Oil + Gas Inspector

Date: 5-1-19

Field Reviewed? () Yes () No

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N/A

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
GROUNDWATER PROTECTION PLAN

Operator Name: Tribune Resources, LLC
Watershed (HUC 10): Fluharty Fork Quad: Centerpoint
Farm Name: _____

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

[Empty response box for question 1]

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

[Empty response box for question 2]

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

[Empty response box for question 3]

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

[Empty response box for question 4]

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- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

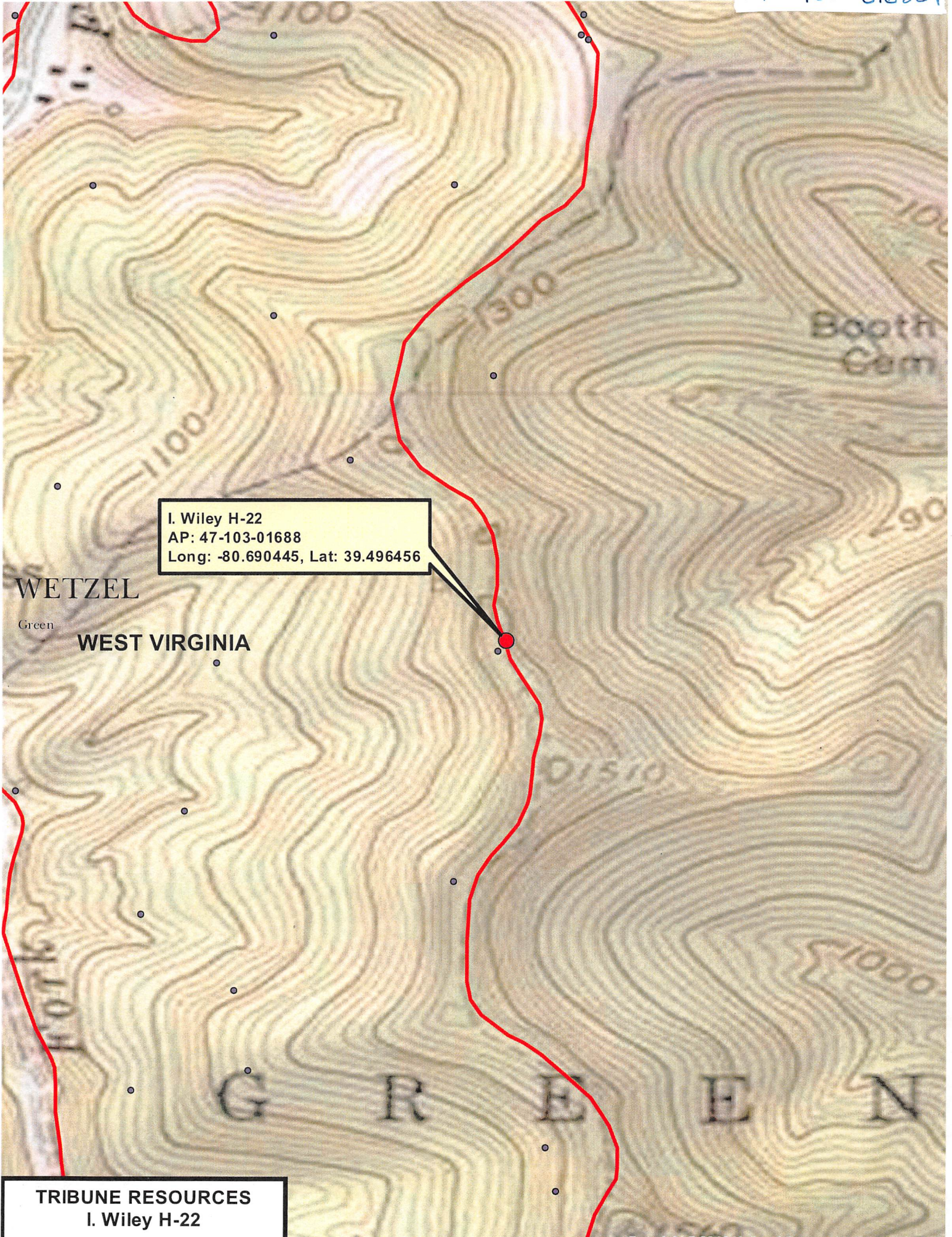
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: _____

Date: _____

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MAY 16 2019
WV Department of
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47-103-01688P



I. Wiley H-22
AP: 47-103-01688
Long: -80.690445, Lat: 39.496456

WETZEL

Green

WEST VIRGINIA

G R E E N

TRIBUNE RESOURCES
I. Wiley H-22

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-103-01688 WELL NO.: H-22

FARM NAME: I. A. Wiley

RESPONSIBLE PARTY NAME: Tribune Resources

COUNTY: Wetzel DISTRICT: Green

QUADRANGLE: Centerpoint

SURFACE OWNER: Caiman Energy

ROYALTY OWNER: _____

UTM GPS NORTHING: ~~4381474.24~~ 4371697.

UTM GPS EASTING: 526616.61 GPS ELEVATION: 1439'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ____: Post Processed Differential

Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Stamm L. B. II
Signature

Agent

Title

4-17-19

Date