

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, May 21, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

TRIBUNE RESOURCES, LLC 3861 AMBASSADOR CAFFERY PARKWAY, SUITE 600

LAFAYETTE, LA 70503

Re: Permit approval for JOHN LONG 250

47-103-02174-00-00

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: JOHN LONG 250

Farm Name: BROWN, FRANCIS D. U.S. WELL NUMBER: 47-103-02174-00-00

Vertical Plugging
Date Issued: 5/21/2021

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.
- 4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4B Rev. 2/01

1)Date	- X.	11	_,	2021
2)Opera Well	No.Long	John 250		
3) API V	Vell No	. 47-103		- 02174

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

	APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4)	Well Type: Oil X / Gas / Liquid	d injection/ Waste disposal/
	(If "Gas, Production or Unc	derground storage) Deep/ Shallow
5)	Location: Elevation 1196'	Watershed Fishing Creek
	District Grant	County Wetzel Quadrangle Pine Grove
6)	Well Operator Tribune Resources, LLC.	7) Designated Agent Harman Brown
	Address 3861 Ambassador Caffery Blvd, Suite 600	Address 18396 Mountaineer Highway
	Lafayette, LA 70503	Littleton, WV 26581
8)	Oil and Gas Inspector to be notified Name Derek Haught	9)Plugging Contractor Name TBD
	Address P.O. Box 85	Address
	Smithville, WV 26178	
		RECEIVED Office of Oil and Gas
		MAR 1 5 2021
Noti	fication must be given to the district of can commence.	
		Litte

Long, John 250

API No.

47-103-02174

Elevation

1196'

Latitude

39.578774

Longitude

-80.677727

TD

3230'

Perfs

Gordon

30061

Casing			Cement	
	Size	Depth	Sxs	Est. Top
Surface	COMPUCTOR	22	SEND IN	
Intermediate	7"	1191	250	Circ.
Production	4-1/2"	3156	150	1500'
Liner				

Pnt 7-9-21

Procedure

Set bottom hole cement plug er CHBP at 2950'

Load hole with gel

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
		Bottom	Тор		feet
Formation	Cement	2950	2850		100
	Gel	2850	1700		1150
4-1/2" casing	Cement	1700	1600	+/- 50'	100
	Gel	1600	1250		350
Sea Level	Cement	1250	1150		100
Pitts' Coal	Cement	1150	950		200
	Gel	950	100		850
Top Plug	Cement	100	0		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

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

		Well Operator's	Report of Well	Work	(C)	DODG
	BROWN, FF		Operator Wel	No.: JOHN	LONG 250	
arm name:		1,196'	Quadrangle:	PINE GROV		
OCATION:	Elevation: District: Latitude:	GRANT 1,700 Feet south of 3,150 Feet west of	County: W	ATMEN -	Sec.	
Company:	P.O. BOX 5	OURCES, INC.	Casing Tubing Size	/ Used in	Left in Well	Cement Fill Up Cu. Ft.
Agent:	PHILIP S. C	NDRUSEK				
Inspector: Permit Issued: Well work Co Well work Co Verbal pluggin	mmenced: mpleted:	ERWOOD 06/01/06 01/07/08 02/28/08				
permission gra Rotary X	anted on: Cable	Rig 3230'	7"	1191'	1191'	250 sks
Total Depth (i Fresh water de	epths (ft)		4 1/2	3155.7'	3155.7	150 sks
Coal Depths (* WATERFLOOD PR	ODUCER			
		n Gordo		Pay zone d	enth (ft)	3006'-3039'
Prod Gas:	Final open	flow *	MCF/d Oil: I	nitial open flow inal open flow	v	
Stati	ic rock pressure	e	psig (surface	pressure)	after	Hours
Seco Gas:	ond producing	n flow	MCF/d Oil: I	Pay zone of nitial open flow		Bbl/d Bbl/d
Stat	ic rock pressur	open flow between initial	and final tests psig (surface	pressure)	after Hour	Hours
NOTE: ON BA OR STIMULA GEOLOGICAL	ACK OF THIS FO TING, PHYSICA L RECORD OF A	RM, PUT THE FOLLOWING: L CHANGE, ETC. 2) THE WE LL FORMATIONS, INCLUDIN	1) DETAILS OF F ELL LOG WHICH NG COAL ENCOL	ERFORATED IN IS A SYSTEMAT INTERED BY TH	NTERVALS, FRA MC DETAILED HE WELLBORE.	MAR 1 5 2021
	S. Sandagara yang s	For: EAST	RESOURCES			WV Department of Vironmental Protection
		By: Date	1/	In your		

Treatment:

Treated perforations 3006'-3010', 3034'-3039' w/ 250 gals 15% HCl acid, 299 bbls cross linked gel and 21,200 # 30/50 sand.

Well Log:

0	90	Sand and Shale
90	122	Sand
122	380	Shale
380	406	Sand
406	502	Shale
502	520	Sand
-520	-556	Shale=
556	582	Sand
582	704	Shale
704	724	Sand
724	752	Shale
752	818	Sand
818	837	Shale
837	848	Sand
848	907	Shale
907	924	Sand
924	1110	Shale
1110	1121	Sand
1121	1410	Shale
1410	1439	Sand
1439	1514	Shale
1514	1548	Sand
1548	1606	Shale
1606	1619	Sand
1619	1730	Shale
1730	1824	Sand
1824	1874	Shale
_1874 _	. 1.930	Sand .
1930	1934	Shale
1934	1949	Sand
1949	2076	Shale
2076	2088	Sand
2088	2110	Shale
2110	2202	Big Lime
2202	2394	Big Injun
2394	2970	Shale
2970	2994	Gordon Stray
2994	3006	Shale
3006	3011	Gordon
3011	3032	Shale
3032	3040	Sand
3040	3230	Shale
3230		TD

WW-4A Revised 6-07

1) Date: 2-	11-21			
Operator's Well Numb Long, John 250	oer			
3) API Well No.: 47 -	103	ıΣı	02174	

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

	ner(s) to be served:	5) (a	a) Coal Operator	
(a) Name	Francis & Freeda Brown		Name	
Address	Box 235		Address	
	Pine Grove, WV 26419			
(b) Name	Steven L. Lancaster		_ (b) Coal Owner(s) with Declarat	ion
Address	HC 62, Box 9B		Name	
	Pine Grove, WV 26419		Address	
(c) Name			Name	
Address			Address	
6) Inspector	Derek Haught		(c) Coal Lessee with Declaration	
Address	P. O. Box 85		Name	
14441000	Smithville, WV 26178		Address	
Telephone	304 206-7613			
40.00				
Protection the Applic	ying documents for a permit to plug and a , with respect to the well at the location of action, and the plat have been mailed by cumstances) on or before the day of mailing	abandon a wo described on registered on ng or deliver	the undersigned well operator proposes to file or he cell with the Chief of the Office of Oil and Gas, West the attached Application and depicted on the attacher certified mail or delivered by hand to the persor y to the Chief. Tribune Resources, LLC.	Virginia Department of Environmental ed Form WW-6. Copies of this Notice,
	By:	-	Lee Lawson	
	Its:		Regulatory/HSE Director	
	Addres		3861 Ambassador Caffery Blvd., Suite 600	
			Lafayette, LA 70503	
	Teleph	one	337 769-4064	
				RECEIVED Office of Oil and Gas
Subscribed and	sworn before me this	da	v of	
		ua	Notary Publ	ic MAR 1 5 2021
My Commission	n Expires			WV Department of
0:1 4 C - n ·	now Notice			WV Department of Environmental Protection
Oil and Gas Priv	acy 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 depprivacyoffice@wv.gov.

4706	U.S. Postal Service [™] CERTIFIED MAIL® REC Domestic Mail Only	EIPT
=	For delivery information, visit our website	at www.usps.com®.
0640 0004 1168	Certified Mail Fee \$ Extra Services & Fees (check box, add fee (3) ap(17) befile) Baturn Receipt (electronic) \$ Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ Postage \$ Total Postage and Fees	Postmark Perfere 2021
7015	Sent To FCANCIS + FCANCIS Street and Apt. No., or PO Box No. City, State, 2IP+4*	la Brown
	PS Form 3800, April 2015 PSN 7530-02-009-9047	See Reverse for Instructions

Office of Oil and Gas

MAR 1 5 2021

152	U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only
무	For delivery information, visit our website at www.usps.com®.
=0	OFFICIAL USL
911 4000 0490	Certified Mail Fee \$ Extra Services & Fees (check box, add fee expression)
10	Total Postage and Fees
7015	Sent To Steven Lancastes Street and Apt. No., or PO Box No. City, State, 219-48
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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SURFACE OWNER WAIVER

Operator's Well Number

Long, John 250

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

<u>Time Limits and methods for filing comments.</u> The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

<u>Comments must be in writing.</u> Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

		planned work	described in these materials rend I have no Office of Gil and Gas
FOR EXECUTION BY A NATURAL PE	RSON		FOR EXECUTION BY A CORPORATION,
ETC.			I 9 7051
	Date	Name	WV Department of Environmental Protection
Signature		By	
		Its	Date

W	W	_4	R
**	**		_

API No.	47-103-02174			
Farm Name				
Well No.	Long, John 250			

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

	WAIVER		
The undersigned coal operatorhas examined this proposed plugging work done at this location, provided, the well of Virginia Code and the governing regulations	order. The undersperator has compl	signed has	
Date:			
	Ву:		
	Its		

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Office of Oil and Gas

MAR 1 5 2021

WW-9 (5/16)

API Number	47	103	-	. (22_	174	
Operator's We							

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) Fishing Creek	Quadrangle Pine Grove	
Do you anticipate using more than 5,000 bbls of water Will a pit be used? Yes No If so, please describe anticipated pit waste:	TANKS AND DISPOSED OFF SITE, QUE	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?	7
Proposed Disposal Method For Treated Pit W		Um H
Underground Injection (UI Reuse (at API Number ✓ Off Site Disposal (Supply to	ed provide a completed form WW-9-GPP) IC Permit Number	3-9-21
Will closed loop systembe used? If so, describe: N/A	Α	_
Drilling medium anticipated for this well (vertical and	horizontal)? Air, freshwater, oil based, etc. N/A	_
-If oil based, what type? Synthetic, petroleun	n, etc. N/A	_
Additives to be used in drilling medium? N/A		_
Drill cuttings disposalmethod? Leave in pit, landfill, 1	removed offsite, etc. N/A	
-If left in pit and plan to solidify what medium	n will be used? (cement, lime, sawdust) N/A	_
-Landfill or offsite name/permit number? N	WA	-
	Oil and Gas of any load of drill cuttings or associated waste rejected at an provided within 24 hours of rejection and the permittee shall also disclos	
on April 1, 2016, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Violat or regulation can lead to enforcement action. I certify under penalty of law that I have peraphication form and all attachments thereto and that, b	ms and conditions of the GENERAL WATER POLLUTION PERMIT is West Virginia Department of Environmental Protection. I understand the cions of any term or condition of the general permit and/or other applicable ersonally examined and am familiar with the information submitted or based on my inquiry of those individuals immediately responsible for obtain, accurate, and complete. I am aware that there are significant penaltic of fine or imprisonment.	at the le law n this aining
Company Official Signature	Office of O	NED
Company Official (Typed Name) Lee Lawson		
Company Official Title Regulatory/HSE Director	MAK I 5	2021
1 / 1 /	Emdre merital	nent of
Subscribed and sworn before me this	lay of Libruary, 20 21	- Conon
Olyce & Source	Notary Public	
My commission expires with left	ALYCE R. SAVOIE Notary Public State of Louisiana Parish of Lafayette Notary ID # 040836 My Commission Expires At Death	/28/2021

Operator's Well No._____

Ferti	2 Tons/acr			Preveg etation	рН
		e or to correct to	_{pH} 6.5		
	lizer type 10-10-20				
	lizer amount_500		_lbs/acre		
Mule	ch_ Straw	2 _{To}	ons/acre		
			Seed Mixtures		
	Temporary			Pern	nanent
Seed	Type lbs/acr	e		Seed Type	lbs/acre
			Tall F	escue	40
			Ladir	no Clover	5
Attach: Maps(s) of ro	ad, location, pit and proposed water from the pit will be land	l area for land ap	plication (unless e	ngineered plans incl	uding this info have been
provided). If			e water volume, in	iciude dimensions (I	w. D) of the pit, and diff
L, W), and a	rea in acres, of the land applic	ation area.			-,, -, F
	rea in acres, of the land applic section of involved 7.5' topog				, , , , , , , , , , , , , , , , , , , ,
Photocopied		raphic sheet.			
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WW-9- GPP Rev. 5/16 NIA

F	age	- (of	2	
API Number 47 -	103	-	02174		
Operator's Well No					

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

perator Name: Tribune Resources, LLC. Vatershed (HUC 10): Fishing Creek	Quad: Pine Grove
arm Name:	
List the procedures used for the treatment and disc groundwater.	charge of fluids. Include a list of all operations that could contaminate the
. Describe procedures and equipment used to protec	et groundwater quality from the list of potential contaminant sources above.
. List the closest water body, distance to closest w discharge area.	water body, and distance from closest Well Head Protection Area to the
. Summarize all activities at your facility that are alr	ready regulated for groundwater protection.
	Office of Oil and Ga
	MAR 1 5 2021
	WV Department of Environmental Protect

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

WW	-9-	GP1
Rev.	5/1	6

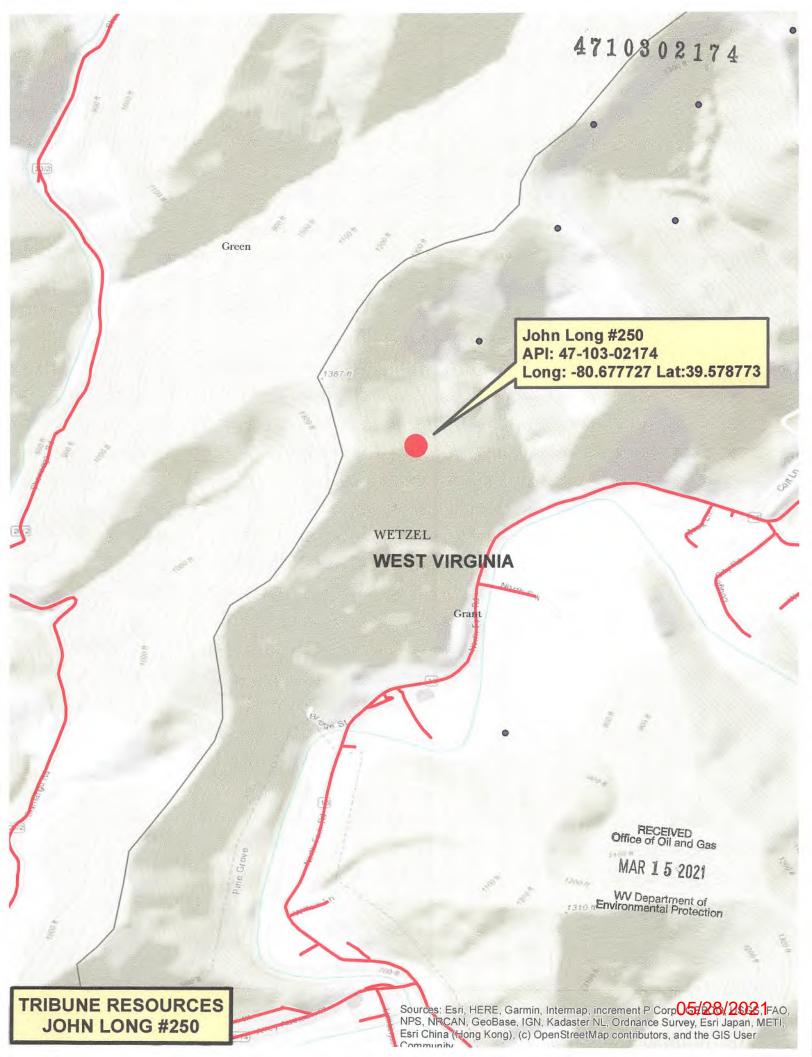
N/A

Page 2 of 2

API Number 47 - 103 - 02174

Operator's Well No.

	ITA	Operator's Well No
Provide a statement that no	waste material will be used for deicing	g or fill material on the property.
Describe the groundwater p provide direction on how to	protection instruction and training to prevent groundwater contamination.	be provided to the employees. Job procedures shall
Provide provisions and frequency	uency for inspections of all GPP elem	ents and equipment.
Sold to the state of the state		
gnature:		Office of Oil and Gas
ate:		MAR 1 5 2021
		WV Department of Environmental Protection





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

	LOCATION		
_{API:} 47-103-02174		_ well no.: 250	
FARM NAME: Long, J	lohn		· · · · · · · · · · · · · · · · · · ·
RESPONSIBLE PARTY NA	_{ME:} Harmaı	n Brown	
COUNTY: Wetzel	1	DISTRICT: Grant	,,
QUADRANGLE: Pine	Grove		
SURFACE OWNER: France	cis& Freeda Bro	wn-Steven Lancaste	er
ROYALTY OWNER: BOI	nnie M Higg	jins, et al	
IITM CPS NORTHING.	4381056.55	5	
UTM GPS EASTING: 52	27677.44	GPS ELEVATION:	1196
	plat for a plugging peand Gas will not access, Zone: 17 North, Cosea level (MSL) – marks – 3.05 meters ethod:	ermit or assigned API nument GPS coordinates that coordinate Units: meters, A seters.	mber on the do not meet
F	Real-Time Differentia	ıl	Prom -
Mapping Grade GPS X	: Post Processed Dif	ferential	RECEIVED Office of Oil and Gas
	Real-Time Differe	ntial	MAR 1 5 2021
4. Letter size copy of I the undersigned, hereby certibelief and shows all the inform preseribed by the Office of Oil Signature	nation required by law	w and the regulations issu	ned and
0	/ /1	IVIV	