

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 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Wednesday, March 08, 2017 WELL WORK PERMIT Vertical / Plugging

ANTERO RESOURCES CORPORATION (A) 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for JOSEPH FREEMAN 14

47-017-06804-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: JOSEPH FREEMAN 14

Farm Name: JOHN P. STRICKLING, ET AL U.S. WELL NUMBER: 47-017-06804-00-00

Vertical / Plugging

Date Issued: 3/8/2017

Promoting a healthy environment.

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. API Well No. 47-017-06804 permanent plugging marker must be set over the wellbore within 60 days of utilizing the Strickling tank pad or within 5 years from completion of the Strickling well-site pad. The marker must comply with WV State Code.

WW-4B Rev. 2/01

1) Date	_e Janua	ary 18	,	20 17	
2) Ope:	rator	's			
Wel:	l No.	Joseph	Freeman #14		
3)API	Well	No.	47-017	- 71607	

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	d injection / Waste disposal /
		derground storage) Deep/ Shallow X
5)	Location: Elevation 1034'	Watershed Headwaters Middle Island Creek
	District West Union	County Doddridge Quadrangle West Union 7.5'
6)	Well Operator Antero Resources Corporation	7) Designated Agent CT Corporation System - Dianna Stamper
	Address 1615 Wynkoop Street	Address 5400 D Big Tyler Road
	Denver, CO 80202	Charleston, WV 25313
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
- /	Name Daniel Flack	Name Stalnaker Energy Services
	Address 601 57th Street, SE	Address 220 West Main St., P.O. Box 178
	Charleston, WV 25304	Glenville, WV 26351
10)	Work Order: The work order for the mann	ner of plugging this well is as follows:
	*Please see attached Work Order.	
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	8 giwan	
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		OFCENED COS
Not		RECEIVED Gas
	ification must be given to the district of	il and gas inspector 24 hours be with the
WOL	ification must be given to the district of can commence.	il and gas inspector 24 hours be wife permitted
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Antero Resources 1615 Wynkoop St. Denver, CO 80202 Office: 303.357.7310

Fax: 303.357.7315

Joseph Freeman #14 Doddridge, WV API #47-017-71607

Objective: Plug and Abandon Wellbore. No well record data has been located. A general P&A procedure has been prepared until more data becomes available upon entering well.

Pipe Schedule:

1. No well record data has been located.

Oil and Gas Zones:

1. No well record data has been located.

Cement Details:

1. No well record data has been located.

Procedure:

- 1. Check and record all casing/annular pressures into Wellview.
- 2. Coordinate and schedule casing jacks.
- 3. Notify WVDEP prior to commencing work, for plug witnessing (Doddridge County Inspector).
- 4. Move in and rig up flat tank and frac tank (No pits will be utilized).
- 5. Move in rig up service unit.
- 6. NU BOPE and test check and report surface pressure including bradenhead pressure.
- 7. Kill well
- 8. RU wireline and lubricator.
- 9. Run sinker bar to determine PBTD (To be determined). Note fluid depth.
- 10. Run caliper from PBTD to surface. Pull out of hole.
- 11. MIRU logging crew.
- 12. Load Hole with 6% gel.
- 13. Run CBL from PBTD to surface.
- 14. Locate TOC around smallest casing string.
- 15. Discuss results with completions engineers before proceeding. Z OGC / INSPECTOR.
- 16. TIH with 2 3/8" tubing to 50' below perfs.
- 17. MIRU cement services. Mix and pump cement for a plug that extends across perfs up to 100' above perfs. (Class A cement + 2% CaCl2, 20% excess included; yield =1.18 ft³/sk, WR=5.2 gal/sk)
 - a. Displace to balance plug
 - b. Slowly pull out of cement plug.
 - c. Reverse circulate tubing clear of cement
 - d. WOC and tag TOC 100' above perfs.
- 18. POOH with tubing.
- 19. Lubricate and RIH w/ CIBP and set at on top of shallowest cement plug. POOH w/ wireline.
- 20. PT CIBP to 500 psi.
- 21. RIH wireline and run free point above TOC in smallest casing string
 - a. Chemical cut above TOC smallest casing (exact depth determined via freepoint and CBL)
 - b. RU casing jacks and POOH LD casing.
- 22. PU and RIH w/ tubing to one foot above CIBP.
- 23. Mix and pump 100' balanced plug on CIBP (Class A cement + 2% CaCl2, 20% excess included; yield =1.18 ft³/sk, WR=5.2 gal/sk).
 - a. Displace to balance plug
 - b. Slowly pull out of cement plug
 - c. Reverse circulate tubing clear of cement.
- 25. Mix and pump 100' balanced plug across casing cut. (Class A cement + 2% CaCl2, 20% excess ECENED included; yield =1.18 ft³/sk, WR=5.2 gal/sk). Office of Oil and Gas
 - a. Displace to balance plug
 - b. Slowly pull out of cement plug and LD tubing.
 - c. Reverse circulate tubing clear of cement.
- 27. Mix and pump 100' balanced plug across bottom of surface casing. (Class A cement + 2% Cacl2, Department of 20% excess included; yield =1.18 ft³/sk, WR=5.2 gal/sk).

 a. Displace to balance plus

 - b. Slowly pull out of cement plug and LD tubing.

JAN 24 2017

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- c. Reverse circulate tubing clear of cement
- d. WOC and tag TOC @ 50' above surface casing.
- e. If top of cement is deeper than 50', mix and spot cement so top is a minimum depth of 50' above surface casing depth. Tag TOC.
- 28. Pull up to 300'
- 29. Mix and pump cement for plug from 300'-surface' (Class A cement + 2% CaCl2, 20% excess included; yield =1.18 ft³/sk, WR=5.2 gal/sk)
- 30. TOOH
- 31. Wait on cement 8hrs.
 - 32. Set offsite marker plate with API number (API No.: 47-017-71607)
 - 33. Establish remote dry hole marker & provide direction and distance to DEP.

NO OFFSET MARKER VARIANCE GRANTED.

A PERMANENT MARKER EXTENDING 10 FEET INTO THE WELL BORE AND 30 INCHES ABOUT GLOUND MUST BE UTILIZED. THE PLACEMENT OF THE PERMANENT MARKER MAY BE DELAYED TO ALLOW FOR UTILIZATION OF THE STRICKING TANK PAD, BUT MUST BE PLACED WITHIN GO PAYS OF FINAL USE OF THE TANK PAD. IN ANY EVENT, THE PERMANENT MARKER MOST BE IN PLACE WITHIN 5 YEARS OF COMPLETION OF THE CONSTRUCTION OF THE STRICKLING WELL PAD.

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Office of Oil and Gas

JAN 2 4 2017

WV Department of
Environmental Protection

17 06804P



Select County: (017) Doddridge Select datatypes: (Check All) 2 Plugging Location Production Enter Permit #: 71607 Owner/Completion Stratigraphy ☑ Sample Get Data Reset Pay/Show/Water Logs Btm Hole Loc

Table Descriptions
County Code Translations Usage Notes ontact Information Disclaimer WVGES Main

WV Geological & Economic Survey:

Well: County = 17 Permit = 71607

Report Time: Monday, January 30, 2017 9:31:05 AM

 Location Information:
 View Map

 API
 COUNTY
 PERMIT TAX_DISTRICT
 QUAD_75
 QUAD_15
 LAT_DD
 LON_DD
 UTME
 UTMN

 4701771607
 Doddridge
 71607
 West Union
 West Union
 West Union
 39.330804
 -80.781188
 518858.8
 4353510.1

There is no Bottom Hole Location data for this well

Owner Information:

API CMP_DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN OPERATOR_AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR 4701771607 -4-1- unknown Prpty Map Joseph Freeman 14

Completion Information:

API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE 4701771607 -1-1- CMP_MTHD TVD TMD NEW_FTG G_BEF G_AFT O_BEF O_AFT NGL

There is no Pay data for this well

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

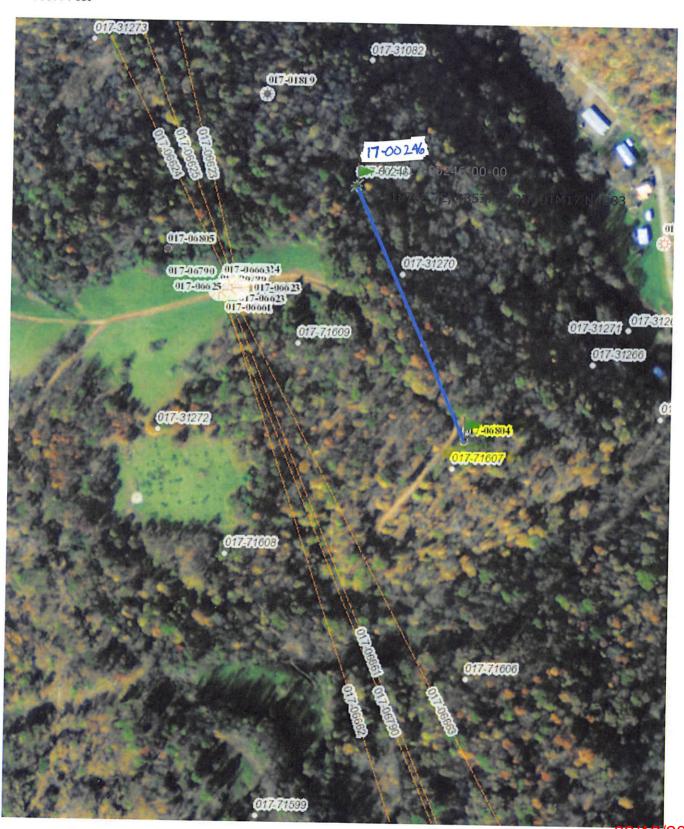
NO RECORDS FOUND FOR .70,000 SENES WELL 017 - 71607 ASSIGNED WELL HAS BEEN # OF 017-06804 API

RECORD APT 017 - 00246 OFFSET OO EG AND IS PROUIDED HAS BEEW BY ATTACHED 017-00246 is 2 833' WELL WELL 017-06804. THIS RECORD DEMONSTRATE THE FORMATIONS THAT ARR ENCOUNTERED THE AREA AND POSSIBLE TARGET FORMATIONS DRILLED IN

| Feet

Measurement Result

833.4 Feet



06-10



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION 3

Quadrangle West Union

White

Hard

Lime

WELL RECORD Permit No. DOD-246 Oil or Gas Well_ Q11 (KIND) Company Quaker State Oil Refining Corp. Casing and Tubing Used in Drilling Left in Well Box 1789, Parkersburg, W. Va. Packers _Acres__36 Farm S.E. Smith Size Location (waters) Nutters Fork
Well No. Kind of Packer.... 16_ Elev 969.51 Well No... 13_ District West Union County Doddridge 6551 <u>655 t</u> Size of____ The surface of tract is owned in fee by W.F. Smith, et al 19401 19401 J.E. Trainer Mineral rights are owned by Brooks F. McCabe, et al Box 1692 __Address_ Address Charleston, W. Va. Depth set___ 656 5 3/16_ Perf. top_ Drilling commenced_ 7-1-58 Perf. bottom_ Drilling completed_ Perf. top Liners Used Date Shot None _From_ Perf. bottom_ /10ths Water in 200,000 cm. 24. Inch Open Flow CASING CEMENTED___ _SIZE Date _/10ths Merc. in_____ ___Inch ____Cu. Ft. 643 to 646 Rock Pressure_ _lbs.___ COAL WAS ENCOUNTERED AT_ FEET INCHES on 10 bbls. ___bbls., 1st 24 hrs. FEET_ INCHES INCHES TEET Fresh water___ INCHES. _FEET_ INCHES _feet Salt water_ Hard or Soft Oil, Gas or Water Formation Color Bottom Remarks Top Red Rock Soft 31 37 0 Lime Grey Hard 31 37768 47 56 68 Red Rock Soft Yellow Rock Hard Red Rock Soft Lime Grey Hard 74 Red Rock 74 98 98 Soft Grey Lima Hard 120 DEPT, OF MINES Rock Grey Soft 120 140 143 158 MEGL AIBBIRIY Nat. Coal Soft 140 143 158 Slate Grey Hard RECEIVED 164 Red Rock Soft 8561 9 ny Grey Slate 164 176 176 187 187 Hard Lime Grey Red Rock Soft 192 1659191 192 204 Rock Grey Red Rock Soft 204 254 254 Lime 260 Grey Hard Red Rock 260 268 Soft Rock Grey 268 282 Limo Grey 282 Hard 290 Grey 296 Rock 290 Soft Rock Grey Soft 296 302 Red Rock Shell Soft 302 306 Soft Red Rock 306 312 Red Rock Soft 312 317 Lime Grey Hard 317 325 Soft Red Rock 325 332 Rock Grey Soft 332 365 Gray 365 Lime 388 Hard 03/10/2017 Red & Rock Soft 388 Gray 406 448 452 458 Grey Lime Hard 406 Red Rock 448 Soft

452

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Limo	White	Hard	1458	464 470			
Lime Lime	White White	Hard Hard	464 470	476			
Red Reck	am I oo	Soft	476	480			
Lime	White	Hard	480	488			
Rock	Red &		1.00				
On-d	Grey	Hand	1188	508			
Sand Red Reck	White	Hard	508	575 583			
Red Reck			575 583	593	. ·		
Lime	j		593	643			
Coal Show			643	646			
Lime 10"			(1.7	(m)			
Ceg 655' Slate		- 1	646 674	674 679		-	
Lime	Grey	Hard	679	681			
Slate	Grey	Med. Hard	684	696			
Lime	Grey	Hard	696	730			
Slate	Grey	Soft	730	738	1		,
Lime Lime	Grey Mand	Hard	738	764			
Slate	Pink	Hard	764 770	770			0
Lime		Hard	775	799	1		
Red Rock			799	804	1	,	
Lime			804	810			
Red Rock Slate	24-1-	Soft	810	835 858			
Lime	Pink	Soft	835	858			
Red Rock	186		858 863	863			
Line			869	879			
Red Rock			879	885			**
Lime	Benton		885	900	1		
Red Rock Lime	Berna	Soft Hard	900	915			
Sla te	Dark	Soft	915 940	940 965			
Red Rock	F	Seft	965	975			
Lime		Hard	975	981			
Red Rock		Soft	981	987	1		
Lime Red Rock			987 1001	1001	1 1		* =
Grey Reck	1		1009	1009 1045	1		
Red Rock		Seft	1045	1050]		
Lime		Hard	1050	1055			
Red Rock	Red &	0-04	3000	2 0 001	1	* 14	đ.
Lime	Grey	Soft Hard	1055 1074	1074 1076	(40)		
Red Rock		S-300000 A	1076	1085			
	Dark	Soft	1085	1125			
Sand Lime		n	1125	1146	18		
Lime			1146 1205	1205			
	Dark		1265	1265 1295	"		
Lime			1295	1.300			
Slate	Dark		1300	1331	1		
Lime Slate	Dark		1331	1354			
Lime	Dark		1354 1368	1368 1375			
Slate		32	1375	1387	,		
Lime	1		1384387	1391			
Slate	, -		1391	1430		1	
Lime Slate		Er oses	1430	1435			
Sand	:	Ex. Soft	1435 1436	1438 1520		1	
Lime		1.	1520	1522		l	
	Black	1	1522	1525			
	White	Hard	1525	1528		1	(*)
Slate D	White	Hard Seft	1568	1588			_

Date	03/10/2017
APPROVED	, Owner
Ву	(TMAL)

04-10



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION 3 A

Quadrangle	West	Uneon
Permit No	MORN	-246

WELL RECORD

Oil or Gas Well

		- 02 - 7 9				Uil or (as Well	(KIND)
				Casing and	Used in	Left in		Packers
Address				Tubing	Drilling	Well		
			_Acres	Size				
Location (waters)		<u> </u>				Kind o	f Packer
Well No			_Elev	•			- Kina o	1 F BCREI
District		County		. 13			-	
The surface of tr	act is owned i	in fee by		. 10			_ Size of	
					i i		ŀ	
Mineral rights ar	re owned by	<u></u>		6%			_ Depth	set
		Address		5 3/16			-	
Drilling commend	ced		·				Perf. t	op
Drilling complete	edb			. 2				ottom
Date Shot	Fr	om'	Го	Liners Used			Perf. t	o p
With							Perf. b	ottom
Open Flow	/10ths Wate	r in	Inch		• !		1	
	_/10ths Merc	. in	Inch	CASING CEME	ENTED	SIZE	No. Ft	Date
Volume			Cu. Ft.					
Rock Pressure		lbs	hrs.	<u> </u>				
Oil			bbis., 1st 24 hrs.	COAL WAS E	NCOUNTERED	AT	FEET_	INCHES
			feet		INCE	IES	FEET_	INCHES
			feet		INCE	ies	FEET.	INCHES
cofftified)	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found		Remarks
Sand	White	Hard	1585	1705				
	Black	Soft	1705	1708		ł		
Lime		Hard	1708	1720		ļ	i	
	Dark	Soft	1720	1746		ľ		
		Hard	1746	1754		ĺ	-	
Sla te	9 29	Soft	1754	1768				
Lime Slate	White	Hard Soft	1768	1779			j	
Lime	-	Hard	1779 1805	1805 1820				
	Red	Soft	1820	1821			ľ	
	White	Hard	1821	1827				
Slate -		}		·		1		
Red Rock		Soft	1827	1832				
Slate Lime	Dark	Soft	1832	1845				
	Dark	Hard Soft	1845 1874	187 <u>4</u> 1880		1		
Little	Dark	301 6	1514	1000				
Lime	White	Hard	1880	1889		1		
Shale	- -	Dark	1889	1901				
Big Lime			1901	1963				
Sand			1963	1996		1	4	
Total Dept	l.		7004	1			1	
TOCAL Deba	n		1996			1		
						1	1	
ļ						1		
				j		- The state of the	_	
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			1			OF MINES	~ W	03/10/2017
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		1			15	Scc.	4 k 🖃	ij.
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					ELECTIVE MANAGEMENT OF THE PARTY OF THE PART	**************************************	CAN	,

JUN (1 7)

FORM 06-8

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OLD CRASHNISION DEPT OF MINES

Al	FFIDAVIT OF PLUGGING	G AND	FILLING WELL	L .		
AFFIDAVIT SHOULD WELL OPERATOR AND THE TH ADDRESSES.	BE MADE IN TRIPLICATE, ONE CO	OPY MAILED TO SHOULD BE MA	THE DEPARTMENT, ONE COF ILED TO EACH COAL OPERA	Y TO BE RETAINE TOR AT THEIR RE	D BY THE SPECTIVE	
S. E. & Stells	Shith	Lauder	man Oil & Ga	s Drilli	ng	
	PERATOR OR GWHER		st Main "Stre			a
West Union, W.	Va					
	ADDRESS		COMPLETE ADDRE	ces		
Same		June .	14, 1976		L9	
Same	erator or owner	West [WELL AND LOC Jnion		District	
Same	AUDRESS	Dodda	ridge		County	
Same	R PROPERTY OWNER	Well. No.	Six			
	ADORESS	S. E.	& Stella Smi	th	Farm	
STATE INSPECTOR S	SUPERVISING PLUGGING	pul 9	Parrett		**************************************	
	AFFID	AVIT				
STATE OF WEST	•					
County of Doddr	idge } ^{ss:}					
D. J. Boyd		. Ном	ard Hutson			
	orn according to law depose a	ind say tha	t they are experien	ced in the v	vork of	
	oil and gas wells and were emp					
well operator, and	participated in the work of plug	ging and	illing the above w	ell, that said	d work	
was commenced on	the 21 day of April		19 76 and that th	e well was r	ปาเฮฮคด้	
and filled in the fol	lowing manner:	, ·		o well was p	,	
SAND OR ZONE RECORD FILLING MATERIAL			PLUGB USED	CASI	ING	
FORMATION			SIZE & KIND	CSG PULLED	CSG LEFT (N	
2005 1960	Clay		10"	585	10	
1960 875	Aquagel			841 940	1000	
875 825	Cement			/ 1		
825 675	Aquagel				•	
675 615	Cement				· .	
615 300	Aquagel					
300 265	Cement					

Fo	RMATION						SIZE	• KIND	PULLED	LEFT (N	
2005	1960	Clay						10"	585	10	
1960	875	Aquage	1						84 940	100	0
875	825	Cement									
825	675	Aquage	1								
675	615	Cement									•
615	300	Aquage	1								
300	265	Cement									
265	25	Stone	&n Cl	.ay							
25	0	Cement	With	Le	ngth	of cas	ng for	marker			
											Bry
		1									
COA	L SEAMS				 -			DESCRIPTIO	N OF MONUME	NT	
(HAME)	Pittsbur	Coal	643	to	643		Marker	set as	requir	ed by ru	le
(NAME)							214 and	d exter	ding 30	" above	
(NAME)							ground	level			
(NAME)											

ME)		1214 and 6	Programme 20	anova
MK)		ground le	evel	
ME)				
Thoy	of plugging and filling said , 19 7 6 ponents saith not.	well was completed on	the 20	_day of
Sworn to and s	ubscribed before me this_2	2 day of teer	<u> </u>	03/10/2

My commission expires:

Notary Public.

Permit No.

Dodd 246 D.D.



71607

WW-4A Revised 6-07 1) Date: January 23, 2017
2) Operator's Well Number
Joseph Freeman #14

017

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

3) API Well No.: 47 -

4) Surface Ow	ner(s) to be served:	5)	(a) Coal Operator	r	
(a) Name	PLEASE SEE ATTACHN		Name	NO DECLARATIONS ON RE	CORD WITH COUNTY
Address	7		Address	7	
	-				
(b) Name				wner(s) with Declaration	
Address			Name	NO DECLARATIONS ON RE	CORD WITH COUNTY
			Address	-	
(c) Name			Name		
Address			Address	(Annual Control	
6) Inspector	Daniel Flack		(c) Coal Les	ssee with Declaration	
Address	601 57th Street SE		Name	NO DECLARATIONS ON RE	CORD WITH COUNTY
	Charleston, WV 25304		Address		
Telephone	304-545-0109				
				*/	
Take notic accompany Protection, the Applic	you are not required to take a e that under Chapter 22-6 of ring documents for a permit with respect to the well at t	nny action at all. If the West Virginia Co to plug and abandon a the location described on mailed by registere day of mailing or deliv	ode, the undersigned well well with the Chief of the on the attached Applicati d or certified mail or de- wery to the Chief.	operator proposes to file or has for the Office of Oil and Gas, West Vision and depicted on the attached elivered by hand to the person(s)	filed this Notice and Application and irginia Department of Environmental Form WW-6. Copies of this Notice, named above (or by publication in
KARA QU	ACKENBUSH	Well Operator		rporation // 5	
NOTAR	RY PUBLIC	By:	Robert S. Tucker	7/8 8 2 3/	
STATE OF	COLORADO	Its: Address	Vice President of Geo		
MY COMMISSION	20144028297 EXPIRES JULY 21, 2018	Address	Denver, CO 80202		
WI GOWWIEBION	EXPIRES JULY 21, 2018	Telephone	303-357-7310		
Subscribed and	sworn before me th		lay of	Notary Public	
My Commission	Expires TMIY 2	1,2018			SOLVED
Oil and Gas Priva				(RECEIVED Office of Oil and Gas
The Office of Oil	and Gas processes you	ır personal inforn	nation, such as nam	ie, address and phone num	nber, as a part of oun 17

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our 7 regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the pormation see 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.

WV Department of the protection of the protecti

WW AAATTACHMENT: Notice of Application to Plug and Abandon A Well

SURFACE OWNERS

Owner:

John Paul Strickling, et al

Address:

756 Strickling Farm Lane

West Union, WV 26456

Owner:

John Paul Strickling, et al

(2nd Address)

Address:

130 England Run Rd.

West Union, WV 26456

Owner:

Rebecca R. Strickling

Address: 756 Strickling Farm Lane

West Union, WV 26456

Owner: Address:

James E. Strickling

412 Stealey Ave.

Clarksburg, WV 26301

RECEIVED
Office of Oil and Gas

JAN 24 2017

ny Department of

03/10/2017

WW-4C Rev 7/27/04

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE	OF PLUGGING OF AN ABANDONED OIL OR GAS WEI WHO IS NOT THE OWNER OR OPERATOR OF TH	
	(Page 1 of 2) ABANDONED WELL TO BE PLUGGED:	
	API Well No: 47-017 _71607	
Elevation: 1034'	Watershed: Headwaters Middle Isla	and Creek
District: Central	County: Doddridge	
Public Road access:	CR 28 (Nutter Fork)	
Generally used Farm Name:	John P. Strickling, et al	
Other description of location	39.331033, -80.781064	
	NOTICE TO:	
[List any owners of the surface of the PLEASE SEE ATTACHMEN]	he land upon which such abandoned well exists and their address or their loc	ation for service.]
service] Unable to identify owner or o	abandoned well of record with the Secretary of the Department of Environmoperator on record with the WVDEP and WVGES. with the Secretary of the Department of Environmental Protection and their strength.	
Antero Reso	Interested Party Proposing to Plug Well urces Corporation	
Name: 1615 Wynk		
		PECEIVED Gas
Denver, CO 802		Office of Oil and Gas
Telephone: 303-357-7	7310	JAN 2 4 2017
DOES THE INTERESTED RESULT FORM THE PLUC	PARTY ELECT TO TAKE THE CASING, EQUIPMENT GGING OF THE WELL? [] YES [] NO [X] N/A secked "no" then the surface owners may elect to take any case.	T, AND OTHER SALVAGE WHICH OF AY WV Department Office Off
If the interested party has ch	ecked "no" then the surface owners may elect to take any cas	sing, equipment or other salvage by sending a

salvage.
[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to began plugging.]

notice to the interested party at the address listed above. The interested party must then leave the salvage at a location which will not adversely affect reclamation. If the surface owners do not elect to take the salvage, the interested party must properly dispose of the

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY (Page 2 of 2)

NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

Oil and Gas Privacy Notice

RECEIVED
Office of Oil and Gas

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

WW-AC: ATTACHMENT: Plugging - Abandoned Well by Interested Party

SURFACE OWNERS

Owner: Address: John Paul Strickling, et al 756 Strickling Farm Lane

West Union, WV 26456

Owner:

John Paul Strickling, et al

(2nd Address)

Address:

130 England Run Rd.

West Union, WV 26456

Owner:

Rebecca R. Strickling 756 Strickling Farm Lane Address:

West Union, WV 26456

Owner: Address: James E. Strickling 412 Stealey Ave.

Clarksburg, WV 26301

OIL OR GAS LESSEE

Owner: Address: Mary Maxine Welch

PO Box 4308

Parkersburg, WV 26104

Owner: Address: Donald R. Ronald PO Box 607

Jane Lew, WV 26378

Owner:

C. Burke Morris & S.A. Smith

Address:

PO Box 659

Wichita Falls, TX 76307

Owner:

JP Morgan Chase Bank Trustee,

Will E. Morris Est.

Address:

PO Box 659

Wichita Falls, TX 76307

Owner: Address: Gore Corporation PO Box 2101

Clarksburg, WV 26302

Owner:

JP Morgan Chase Bank trustee, John

W. Kerns Heirs Trust U/A

Address:

PO Box 659

Wichita Falls, TX 76307

Owner: Address: Lawrence O. Price 18955 Park Ave. Plaza

Meadville, PA 16335

Owner:

Eugene H. Armstrong

PO Box 1281 Address:

Bridgeport, WV 26330

Owner: Address: John D. Morris 11989 Allerton Ct.

Parker, CO 80138

Owner:

Susan K. Young

Address:

2665 Misty Morning Ln.

Roswell, GA 30076

Owner:

Jean Ann Griffin

Address:

2665 Misty Morning Ln.

Roswell, GA 30076

RECEIVED Office of Oil and Gas

JAN 24 2017

WV Department of **Environmental Protection** WW-9 Rev. 5/08

	Page _		of	
API Number 47	_ 017	(i=	71607	
Operator's Well 1	No. Joseph	Freem	an #14	

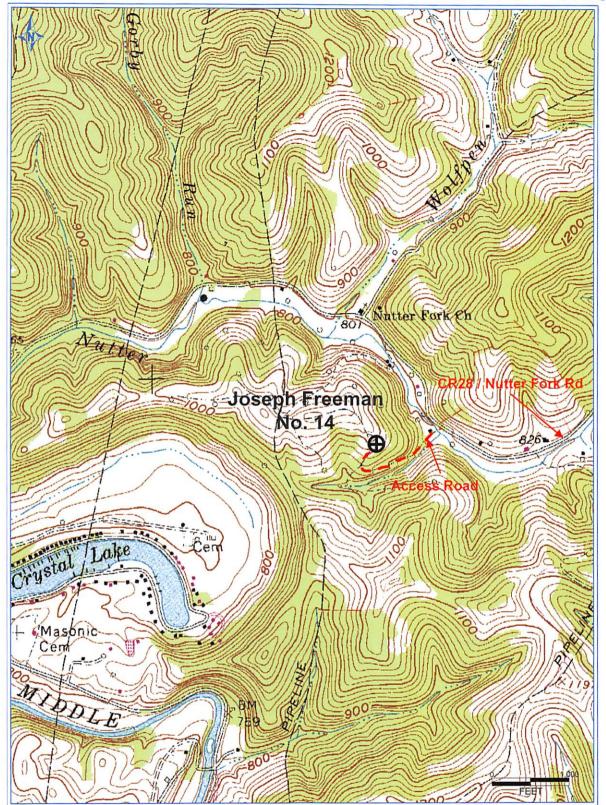
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

	GENERAL PERMIT FOR O	IL AND GAS PIT WA	ASTE DISCHARO	3E
Operator Name Antero	Resources Corporation	OP Code 494507062		
Watershed Headwaters	s Middle Island Creek	Quadrangle _W	est Union 7.5'	
Elevation 1034'	Doddr	ridge	_{District} Wes	st Union
Description of anticipate	d Pit Waste: No pit will be used at this			er reused or hauled off site.)
Will a synthetic liner be	used in the pit? N/A			
	od For Treated Pit Wastes:			
	Land Application Underground Injection (UIC Per	rmit Number *UIC Perm	nit # will be provided o	on Form WR-34
X	Reuse (at API Number Future pern	mitted well locations when	applicable. API# will	be provided on Form WR-34)
X	Off Site Dispposal (Supply form	WW-9 for disposal lo	(Meadowfill	Landfill Permit #SWF-1032-98)
	Other (Explain		Northwester ———WV0109410	II Editoria Territoria de la Territoria
Proposed Work For Whi		<u>.</u>		
	Drilling	Swabbing		
<u> </u>	Workover	Plugging		
	Other (Explain			
provisions of the permit law or regulation can lea I certify under application form and al obtaining the informatio penalties for submitting to Company Official Signat Company Official (Type	penalty of law that I have personal attachments thereto and that, ban, I believe that the information is also information, including the possible information.	ally examined and an assed on my inquiry of its true, accurate, and sibility of fine or impr	n familiar with the of those individual complete. I am isonment.	al permit and/or other applicable ne information submitted on this als immediately responsible for
Subscribed and sworn be	fore me this 23 day of	TUNNANI	, 20	17 / 320
	Manyonsl	V	Notory Pu	RECEIVED Gas
	711, 21 2016			COMMON TO COLORADO
My commission expires_	JVILY 21, 2010			Wy Department of

Ĺ	EGEND
Property Boundary	Diversion () Diversion ()
Road = = = = = = = = = = = = = = = = = = =	Spring
Existing Fence — X — X — X —	Wet Spot
Planned Fence / / /	Drain Pipe with size in inches
Stream	Waterway \longleftrightarrow \longleftrightarrow \longleftrightarrow
Open Ditch	Cross Drain
Rock 636 866	Artificial Filter Strip
North N	Pit: cut walls
Buildings	Pit: compacted fill walls
Water wells	Area for Land Application of Pit Waste
Drill site	
Mulch 2-3 Tons/ac	Prevegetation pH 6.5 acre (500 lbs minimum) re (Hay, straw or wood fiber (will be used where needed) Mixtures Area II Seed Type lbs/acre Please reference Table IV-4A on page 10 of the Joseph Freeman #14 Well Plugging Plan *or type of grass seed requested by surface owner
Attach: Drawing(s) of road, location,pit and proposed area for land appli Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments:	
	RECEIVED AND Gas
Title:	Date: PECEIVED Office of Oil and Gas JAN 24 2017

WV Department of Environmental Protection



Antero Resources Corporation

Appalachian Basin Joseph Freeman No 14 Doddridge County

Quadrangle: West Union Watershed: Nutter Fork District: West Union Date: 01-11-2017 WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LUCATION FURM: GPS
API: 47-017-71607, 47-017-06804 WELL NO.: 14
FARM NAME: Joseph Freeman
RESPONSIBLE PARTY NAME: Antero Resources Corporation
COUNTY: Doddridge DISTRICT: West Union
QUADRANGLE: West Union
SURFACE OWNER: John P. Strickling, Et Al
ROYALTY OWNER: N/A
UTM GPS NORTHING: 4353535.74 m
UTM GPS EASTING: 518869.46 m GPS ELEVATION: 296.1 m = 1,034f4
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 ECEIVED Gas I the undersigned, hereby certify this data is correct to the best of my knowledge and oil and belief and shows all the information required by law and the regulations is suited and prescribed by the Office of Oil and Gas.
Signature Permitting Supervisor Title Permitting Supervisor 1/23/17 Department of the Date mental Protection
Mallory Stanton 03/10/2017