

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Friday, September 23, 2016 WELL WORK PERMIT Vertical / Plugging

EQT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BUILDING II BRIDGEPORT, WV 26330

Re:

Permit approval for (12181)S-152161

47-001-00956-00-00

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: (12181)8-152161

Farm Name: SANDERSON, CHAS.&RAYELDA U.S. WELL NUMBER: 47-001-00956-00-00

Vertical / Plugging

Date Issued: 9/23/2016

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

100956P

6K 20672 \$400.00

Form WW-4 (B) Permit Copy (Rev 2/01)

Date: August 8, 2016

Operator's Well

Well No. 152161 (Reed #12181A)

API Well No.: 47 001 - 00956

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

		•	office o	f OIL AN	id gas				
4)		PLICATION I	FOR A PEI	RMIT TO	PLUG A	ND ABANDO	N		
•	Well Type: Oil If Gas, Production		X Lid Or Undergro	quid Injecti		Waste	Disposal:		
5)	Elevation:					neeh		Shallow _	<u> </u>
υ,	Location: Pleas		Vatershed: county:		ain bour	Quadrangl	<u> </u>	Political	
~ \	District:	•	· —	Dai	DOUI	caaarang	е:	Phillipi	
6)	Well Operator 120 Pro	roduction Comp ofessional Place	pany	. 7)		ed Agent:	Rex C. Ra		
		ort, WV 26330		•	Address:		sional Place WV 26330		
8)					Plugging	Contractor:	*** Z033U		
	Oil & Gas Kenneth Greyr	nolds			Name:	HydroCarbon \	Well Service	3	
	Name: 613 Broad Rur Address: Jane Lew, WV			•	Address:	PO BOX 995			
	Addiess. Cano Lew, VVV	203/6				Buckhannon, \	NV 26201		
			OFFICE I	USE ONLY		, <u>, </u>	•		<u> </u>
	lotification must be given t Vork order approved by in:	ذم	l and gas in	spector 2	hours be	efore permitted Date	work can co	ommence. 2 -/ L	

PLUGGING PROGNOSIS

Reed, A. #12181A (152161) Barbour Co. WV District, Pleasant API # 47- 001- 00956

Craig Duckworth

DATE: 7/18/16

CURRENT STATUS:

11 3/4" csg

@ 270' (cts)

8 5/8" csg

@ 1809' (cts)

4 1/2" csg

@ 4345' (220 sks)

Elevation @ 1416'

TD: 4352'

Fresh Water @ 40', 460' Coal @ 103', 185', 245', 470'

Saltwater @ none reported

Gas shows @ 4038', 3881', 3224', 2849'

- 1. Notify State Inspector, Kenneth Greynolds @ (304) 206-6613, 48 hrs. Prior to commencing operations.
- 2. Check TD w/wireline
- 3. TIH w/tbg to 4345' or actable TD', set 545'C1A cement plug from 4345' to 3800'. (Gas shows @ 4038', 3881') WAIT A HOULD, THE PLUE ADD CEMENT IF NEEDED.
- 4. 41/2 TOC ABOUR 26001
- 5. TOOH w/tbg to 3800', gel hole 3800' to 3274'
- 6. TOOH w/tbg to 3274' set 200' C1A cement plug from 3274' to 3047', (Gas Show @ 3224').
- 7. TOOH w/tbg to 3047' gel hole 3047' to 2900'.
- 8. TOOH w/tbg to 2900' set 200' C1A cement plug from 2900' to 2700'.(Gas Show @ 2849')
- 9. TOOH w/tbg, Free point 4 1/2" csg, cut csg @ free point, TOOH w/csg.
- 10. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs
- 11. TIH w/tbg to 2150', set 200' C1A cement plug 2150' to 1950'. (4 ½" csg cut).

- 11. TIH w/tbg to 2130, set 200

 12. TOOH w/tbg to 1950' gel hole 1950' to 1850'

 13. TOOH w/tbg to 1850' set 100' C1A cement plug from 1850' to 1750', (8 5/8" @ Pochical Research of the Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, all and gas shows below cut. Do not omit any plugs

- 15. TOOH w/tbg to 1750' gel hole 1750' to 1415'
- 16. TOOH w/tbg to 1415' set 200' C1A cement plug from 1415' to 1215' (Elev.@ 1415')
- 17. TOOH w/tbg to 1215' gel hole from 1215' to 700'.
- 18. TOOH w/tbg to 700' set 100' C1A cement plug from 700' to 600' (Safety Plug).
- 19. TOOH w/tbg to 600' gel hole from 600' to 470'
- 20. TOOH w/tbg to 470', set 470' C1A cement plug 470' to 0'. (11 3/4" csg @ 270', Coal Shows @ 470', 245', 185', 103', FW @ 40', 460').
- 21. Erect monument with API#
- 22. Reclaim location and road to WV-DEP specifications.



WR-35	Division of Environment of Division of Environment	onmental Protect Oil and Gas	ction	API#	06-Aug-96 47-001-00956F
Reed 12181					
Farm Name:	Sanderson, Chas. & Rayelda	Operator Well	No.: (1218	31) S-152161	
Location:	Elevation: 1416.0	Quadrangle:	Philippi	•	
	District: Pleasant		rbour		
	Latitude: 625 Feet South of	39 Deg.	12 Min.	30 Sec.	
	Longitude: 800 Feet West of	80 Deg.	2 Min.	30 Sec.	
Company:	ASHLAND EXPLORATION, INC. P.O. BOX 391, OS-2 ASHLAND, KY 41114-0391				
Agent:	James L. Stephens				
Inspector:	Phillip Tracy				
Permit Issued:	10-04-96	Casing	Used	Left	Cement
Well Work Com	menced: 10-10-96	&	in	in	Fill Up
Well Work Com	pleted: 10-24-96	Tubing	Drilling	Well	Cu. Ft.
Verbal Plugging		Size			
Permission gran	ted on:	11 3/4"	270'	270'	CTS
Rotary	Cable Rig	8 5/8*	1809'	1809'	CTS
Total Depth (fee	et) 4352'	4 1/2"	4345'	4345'	220 sks
Fresh water dep	ths (ft) 40', 460'				· · · · · · · · · · · · · · · · · · ·
Salt water depth	s (ft) None				
Is coal being mi	ned in area (Y/N)? Y				
Coal Depths (ft)					
		1	NOTE: RECO		
OPEN FLOW I	DATA Speechly			2959-2969'	
Producin	g formation Warren		cone depth (ft)		
Gas: I	nitial open flow94		Initial open flov		Bbl/d
	Final open flow 15		Final open flow		Bbl/d
	Time of open flow between initial and fina	l tests		3	Hours
Static Ro	ock Pressure 720	psig (surface pr	ressure) after	96	Hours
C! 1	Dandyning formation	Pav	zone depth (ft)		
	Producing formation		Initial open flor		Bbl/d
-	Initial open flow	Mcf/d	Final open flow		Bbl/d
	Final open flow Time of open flow between initial and fina		I mai open no	"	Hour
		psig (surface p	ressure) after		Hour
Static Re	ock Pressure	haig (autrace h	leadere) unter		
FRACTURING SYSTEMATIC	ACK OF THIS FORM PUT THE FOL OR STIMULATING, PHYSICAL OF DETAILED GEOLOGICAL RECO ED BY THE WELLBORE.	CHANGE, ETC	C. 2). THE	WELL LOG	INTERVALS WHICH IS JOING COA

For: Ashland Exploration, Inc.

Cifice of the A Gas

AUG 19 2016

Ph. 10,9/23#2016

BAR-956F

Set 41/2" Alpha CIBP @ 4140'. Dump 10' cmt on top of CIBP from 4130-4140'. Perf 4 squeeze holes @ 3065-3066'. Pump 175 sx Cl A cement.

Perf Speechly with 3 1/8° HCG .37 jets 23H/2959-2969. 75Q foam frac Speechly using 25,700# 20/40 sand and 323,000 scf N₂ @ 15,000 scf/m . BD @ 3056, ATP 3220 @ 16 B/M foam, MTP 3333, ISIP 2929, 10 min 2849, TF 86 bbl..

Perf Warren with 3 1/8" HCG .37 jets under lubricator 9H/2635-2639. 75Q foam frac Warren using 5000# 20/40 sand and 150,000 scf N₂ @ 14,100 scf/m. BD @ 3524, ATP 3440 @ 16 B/M foam, MTP 3608, ISIP 3359, 10 min 2805, TF 58 bbl.

45

Office of On A Gas AUG 19 2016



STATE OF WEST VIRGINIA **DEPARTMENT OF MINES**

100956P

OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Philippi Permit No. BAR-956 47-001

Rotary Y Oil Cable___ Recycling Comb. Water Flood__ Storage. Disposal (Kind)

	_			'Millo
Company Consolidated Gas Supply Corp. Addres 1/15 W. Main St., Clarksburg, WV Farm Alfred Reed Ages 1/8	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Taylor Drain	Size			
Well No. 12161 Elev 1/15!	20-16			
District Pleasant County Barbour	Cond.			
The surface of tract is owned in fee by	13/10" 11 3/1:4	2701	2701	To surface
Charles E. Sanderson	9 5/8			
Address Rt. 3. Philippi WV	8 5/8	13001	Jacon	To surface
Mineral rights are owned by Alfred Reed, Act.	7			
Address Rt. 3, Box 189, Philippi, 1	WV 5 1/2		•	
Drilling Commenced June 20, 1978	4 1/2	43151	1131151	220 Sks.
Drilling Completed June 27, 1978	3			
Initial open flowbols.	2			
Final production 1205M cu. ft. per daybbls.	Liners Used			
Well open hrs. before test 1000 RP.				
Well treatment details:	Attach copy of ce	menting recor	d.	
Well fractured in Bensen with 50,000# say	nd. 750 bbls. of	water &	รกก rals	. 15% HCL.
Perferetions, 1/156 - 1/161 with 15 heles	- ,			

Coal was encountered at 1031 1851 2151 11701 Feet 36" 18" 35" 60" Inches Salt Water_ Fresh water 101 1,601 Nane .Feet _ . Feet . Rensen h161' Producing Sand_ Depth .

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water	* Remarks
Tep Seil	0	5			
Shale & Sand	5	50	Water	<u>ኒ</u> ር፣	Damp
Red Rock & Shale	50	69			
Red Reck	68	70	i		F3 .
Shale & Sand	70	103	i		.പെ MG∂ാ
Ceal	103	106			Office
Sand	106	110	1		1.00 to (
Red Rock	110	125			Office of C
Sand	125	185			AUG 1 a
3dal	185	189			1 0
Sand	199	200	j		
Red Reck	200	210			
Shale & Sand	210	21,5			
Ceal	21,5	5/18			
Shale & Sand	21,8	470	Water	4601	Damp
Coal	1,70	โเ75			
Sand & Shale	1,75	935			
Red Reck & Shale	935	10/10			
Sand & Shale	1040	1280			
Big Lime	1280	1395	Gas	281,91	133M
Sand & Shale	1385	1250	Gas	3224 •	₽LM
Shale & Red Reck	1950	2165	Gas	3981'	KOM
Sand & Shale	2165	h150	Gas	40381	60м
Bensen Shale	1160	1200 1352	т.э.		

KBM 10' above G. L.

(over)

& G

^{*} Indicates Electric Log tops in the remarks section.

SOURCE SELVS (BEST STONE SIL CAMPBELL Sec (A.D. MANNS 440) SIL CAMPBELL Sec (A.D. MANNS 440			3;	2/2" 800' (243,84 M)
ALFRED REED 48 S.D. CHAPMAN 93 3/46 (L. O. S.A. C. PROUPFOOT 286) MINIMUM Brief of General Design of regulations of regulations of the roles and above all the information required by paragraph 8 of the roles of regulations of the oil and gas section of the mining laws of Wirty Wirtglins. And the section of the roles of Rayelda Sanderson Drill Despet 1/2 Alsee No. 33127 Well (Farm No. 1981-48) Brivation (Spirit Laws). 1981 Tract. Acres. 43 Lesse No. 33127 Well (Farm No. 1981) Paragraph 1/2 Paragraph	- X-891	2 3	LATITUDE	39° 12'30"
STORE TO CHAPMAN B3126-350 0F 84e (SETT) D. CHAPMAN B3126-360 0F 84e (SETT) D. CHAPMAN	132	1 'N	(15)	;
CHEST, WILLIAMS COLD CO. CHEST, STATE (1984) J.C. BOYLEN 68 9/30 (BULLMAN COLD CO.) (BET UP, CHEST, SMAG H.R. WILSON 28 1/40 (A.D.MARKS 446) SIZE - 350 OF 849 B.D. CHAPMAN 83 25/40 (A.D.MARKS 446) ALFRED ABEVERLY REED) ALFRED ABEVERLY REED) (L.O. B.A.C. PROUDFOOT 284) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE		(min)	ሴ .	72
CHEST, WILLIAMS COLD CO. CHEST, STATE (1984) J.C. BOYLEN 68 9/30 (BULLMAN COLD CO.) (BET UP, CHEST, SMAG H.R. WILSON 28 1/40 (A.D.MARKS 446) SIZE - 350 OF 849 B.D. CHAPMAN 83 25/40 (A.D.MARKS 446) ALFRED ABEVERLY REED) ALFRED ABEVERLY REED) (L.O. B.A.C. PROUDFOOT 284) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE	and the second	24 Jags 10/29	ap.	3
CHEST, WILLIAMS COLD CO. CHEST, STATE (1984) J.C. BOYLEN 68 9/30 (BULLMAN COLD CO.) (BET UP, CHEST, SMAG H.R. WILSON 28 1/40 (A.D.MARKS 446) SIZE - 350 OF 849 B.D. CHAPMAN 83 25/40 (A.D.MARKS 446) ALFRED ABEVERLY REED) ALFRED ABEVERLY REED) (L.O. B.A.C. PROUDFOOT 284) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) Minimum Breer of Closure L. IN 200 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE 47 (CS.6) STOKE 48 (CS.6) STOKE	1214C9 1770	1		.25. .50
STONE BY SO (HILLMAN COAL CO.) (SSG) (HILLMAN COAL CO.) (SSG) (ALPRED ASS (ALPRED ASS (ALSEET ROMAIN) (SO, 63) (ATT.	4 2013 /	•	6 €
STONE BY SO (HILLMAN COAL CO.) (SSG) (HILLMAN COAL CO.) (SSG) (ALPRED ASS (ALPRED ASS (ALSEET ROMAIN) (SO, 63) (***		. :.
STONE BY SO (HILLMAN COAL CO.) (SSG) (HILLMAN COAL CO.) (SSG) (ALPRED ASS (ALPRED ASS (ALSEET ROMAIN) (SO, 63) (X946	. /	II CAMPDELL OF	8 8
(HILLMAN COAL CO.) (SSc) (ALPRED REED 488 (ALBERT ROMAIN) (SOS) (SSC) (SSC) (SSC) (ALBERT ROMAIN) (SOS) (SSC) (SSC) (SSC) (ALBERT ROMAIN) (SOS) (SSC)	12	CHEST.		€ 8
B.D. CHAPMAN S128-350 0F 840 (BETTY D. CHAPMAN) S128-350 0F 840 (ALDMARKS 440) ALFRED REED 480 (ALDMARKS 440) STONE ALFRED REED 480 (ALDMARKS 440) STONE 470 STONE 470 STONE 470 STONE 470 (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (250) (ALBERT ROMAIN) (250) STONE 470 STONE 4	J.C. BOYLEN 68 V3		(96a)	ш
B.D. CHAPMAN S128-350 0F 840 (BETTY D. CHAPMAN) S128-350 0F 840 (ALDMARKS 440) ALFRED REED 480 (ALDMARKS 440) STONE ALFRED REED 480 (ALDMARKS 440) STONE 470 STONE 470 STONE 470 STONE 470 (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (250) (ALBERT ROMAIN) (250) STONE 470 STONE 4			DEAD CHEST.	€ 5
B.D. CHAPMAN S128-350 0F 840 (BETTY D. CHAPMAN) S128-350 0F 840 (ALDMARKS 440) ALFRED REED 480 (ALDMARKS 440) STONE ALFRED REED 480 (ALDMARKS 440) STONE 470 STONE 470 STONE 470 STONE 470 (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (ALBERT ROMAIN) (250) (ALBERT ROMAIN) (250) STONE 470 STONE 4	(550)	3/23/	15'	
B. D. CHAPMAN B. D.	-3	j	(S.)	외
B. D. CHAPMAN B. D.		j		
B. D. CHAPMAN 83128-350 OF 840 (BETTY D. CHAPMAN) (BIG D. CHAPMAN) (CO TOWN (CO TOWN) (ALBERT ROMAIN) (CO TOWN) (ALBERT ROMAIN) (CO TOWN) (ALBERT ROMAIN) (CO TOWN) (CO TOWN) (ALBERT ROMAIN) (CO TOWN) (CO TOWN) (ALBERT ROMAIN) (CO TOWN) (ALBERT ROMAIN) (CO TOWN)	1 11 14	'	SET I.P., CH	IEST, SNAG
B. D. CHAPMAN SIZES 350 OF 840 (BETTY D. CHAPMAN) (BITY D. CHAPMAN) (BITY D. CHAPMAN) (BITY D. CHAPMAN) (BITY D. CHAPMAN) (BETTY D. CHAPMAN) (ALFRED REED 480 (ALFRED A BEVERLY REED) (ATO) STOKE (ATO) STOKE (ALBERT ROMAIN) (SO.S.) (L. D. BA.C.PROUDFOOT 250) Minimum Error of Closure (IN 200) SOURCE of Elevation (BO.S.) (ALBERT ROMAIN) (SO.S.) STOKE 4P N. H. O. O. 2. W.O. (ALBERT ROMAIN) (200) STOKE 4P N. H. O. O. 2. W.O. (200) Minimum Error of Closure (200) I. L. BERT ROMAIN) (200) STOKE 4P N. H. O. O. P. W.O. (200) STOKE 4P N. H. O. O. P. W.O. (200) STOKE 4P N. H. O. P. W.O. (200) STOKE 4P N. ALLEN H. N. ALLEN H. N. ALLEN H. N. ALLEN (200) STOKE 4P N. H. O. P. W.O. STOKE 4P N. H. O. P. W.O. (200) STOKE 4P N. H. O. P. W.O. (200) STOKE 4P N. H. O. P. W.O. (200) STOKE 4P N. H. O. P. W.O. STOKE 4P N. ALLEN STOKE 4P N. ALLEN	WN72048E STONE	/		
Color Colo	B. D. CHA	APMAN		(A.U.MARKS 440)
Minimum Error of Closure	83128-350	OF 84a	all constants	
ALFRED ABOVE STONE B.D. CHAPMAN 83 3/40 (L.D. B.A.C. PROUDFOOT 280) Minimum Error of Closure 'I, the undersigned, hereby certify that this map is correct to the best of my knowledge and bellef and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. REVISED LOC REVISED LOC New Location Drill Deper Abhandammant F.B. 1898 PG. 6-7 Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles 6 Rayelda Sanderson SISESI F.B. 1898 PG. 6-7 F.B. 1794 PG. 35-40 DIVISION OF ENVIRONMENTAL PROTECTION OF PICE OF OIL 6 CAS RITRO, WEST VIRGINIA 25143 WELL LOCATION MAP Elevation (Spirit Level) 1416 Quadrangte PHILIPPI 71/2 County BARBOUR District PLEASANT Communication Comm				
ALFRED REED 480 (ALFRED & BEVERLY REED) (ATATION STONE B. D. CHAPMAN 83 3/40 (L. D. & A. C. PROUDFOOT 260) Minimum Error of Closure ' IN 200' Source of Elevation _ROAD FORK _ EL-1391' _PHILIPPI_TV2_TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC		/	~0.5 ·	STK. BY SUGAR
ALFRED & BEVERLY REED (47a) STONE STONE STONE B.D. CHAPMAN 83 3/4a (L.D. & A.C. PROUDFOOT 26a) STONE STONE STONE (ALBERT ROMAIN) (SO.6a) (SO.6a) STONE STONE STONE AP (ALBERT ROMAIN) (SO.6a) (SO.6a) STONE AP (SO.6a) AP (SO.6a) STONE AP (SO.6a) STONE AP (SO.6a)	/""	.'	•	27/20
STONE STON	111	1 .		12 18
B. D. CHAPMAN 83 3/4a (L. D. B. A. C. PROUDFOOT 26a) Midmum Error of Closurei IN 200' Source of Elevation _ROAD FORK EL-139i PHILIPPI TI/2 TOPO. "I, the andersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOCE New Location Drill Deeper Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson Tract Acres 48 Lease No.83127 Well (Farm) No Serial No.1218 Elevation (Spirit Level) 1416' Quadrangle PHILIPPI TI/2' County _BARBOUR District_PLEASANT Engineer's Registration No L. S TAT File No Drawing No Date PROMOTE OF The County Aguagge To	``	-==/ _{N=}		\ _{STK} .
B. D. CHAPMAN 83 3/4a (L. D. & A. C. PROUDFOOT 26a) Minimum Error of Closure "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — Source of Elevation ROAD FORK EL-139! PHILIPPI 71/2 TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — New Location — Drill Deeper — REVISED LOC — Source of Elevation of the oil and gas section of the mining laws of West Virginia." Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 STATE OF WEST VIRGINIA 4UG 1 9 20/6 OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP AND			ó.	
B. D. CHAPMAN 83 3/40 (L. D. B. A. C. PROUDFOOT 260) Minimum Error of Closure i		AYI		1260
Cl. D. B.A.C. PROUDFOOT 266) Cl. D. B.A.C. P.O. B.A.C. P	D O CUADMAN OZ Z		STONE SOLL SOLL	H.N.ALLEN
Minimum Error of Closure ' N 200'	E .	•	ORAIN ·	
Minimum Error of Closure 1' IN 200'				/N
Minimum Brror of Closure 1' IN 200' Source of Elevation ROAD FORK EL-1391' PHILLIPPI 71/2 TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — New Location — Drill Deeper — Drill Deeper — Abandonment — Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson — SIBE31 — F.B. 1898 PG. 6-7 F.B. 1898 PG. 6-7 F.B. 1784 PG. 35-40 DIVISION OF ENVIRONMENTAL PROTECTION 9 2016 OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 Tract Acres 48		•	\sim	N.E. OF 2.W.O.
Minimum Brror of Closure 1' IN 200' Source of Elevation ROAD FORK EL-1391' PHILLIPPI 71/2 TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — New Location — Drill Deeper — Drill Deeper — Abandonment — Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson — SIBE31 — F.B. 1898 PG. 6-7 F.B. 1898 PG. 6-7 F.B. 1784 PG. 35-40 DIVISION OF ENVIRONMENTAL PROTECTION 9 2016 OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 Tract Acres 48			/w. pcpz	CONTRACT.
Source of Elevation ROAD FORK EL-1391' PHILIPPI 71/2 TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — EXAMPLE NEW Location — Drill Deeper — Drill Deeper — Drill Deeper — SiBE31 — F.B. 1898 PG. 6-7 F.B. 1784 PG. 35-40 — Office Off				NOMAIN
Source of Elevation ROAD FORK EL-1391' PHILIPPI 71/2 TOPO. "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — EXAMPLE NEW Location — Drill Deeper — Drill Deeper — Drill Deeper — SiBE31 — F.B. 1898 PG. 6-7 F.B. 1784 PG. 35-40 — Office Off		Mile - Person of Change	I' IN 200'	
"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and bolled and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — New Location — Drill Deeper — Abandonment				2 TOPO.
edge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." REVISED LOC — New Location — Drill Deeper — Abandonment — SiBE31 — F.B. 1898 PG. 6-7 Ashland Exploration, Inc. P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson — STATE OF WEST VIRGINIA AUG 19 STATE OF WEST VIRGINIA AUG 19 DIVISION OF ENVIRONMENTAL PROTECTION 9 20/6 NETTACL — Acres 48 — Lease No. 83127 Well (Farm) No. — Serial No. 12191 — WELL LOCATION MAP Elevation (Spirit Level) — 1416 — GALVANIA ABANDA ARABOUR — PHILIPPI 71/2' County — BARBOUR — District PLEASANT — ONDOLLAR ABANDA ARABOUR — PHILIPPI 71/2' Engineer Dawll M. Adduffe — Drawing No. — Drawi		Source of Elevation	OHR ES 1991 TIDEN I LEE	
REVISED LOC Since		"I, the undersigned, hereby	certify that this map is correct to	the best of my knowl-
REVISED LOC — New Location — Drill Deeper — Revised Reper — Revised Engineer's Registration No. L.L.S. 74 Revised Loc — Revised Revised Revised Revised Pleasant Engineer's Registration No. L.L.S. 74 Revised Loc — Revised				
P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson Division of environmental protection 9 Office of oil & GAS NITRO, WEST VIRGINIA 25143 Tract Acres 48	REVISED LOC	210 105-110-110-110-110-110-110-110-110-110-		
P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson Division of environmental protection 9 Office of oil & GAS NITRO, WEST VIRGINIA 25143 Tract Acres 48	· -			O_{in} $F_{i\odot_{Col}}$
P.O. box 391-Ashland, Ky 41114-0391 Surface: Charles & Rayelda Sanderson Division of environmental protection 9 Office of oil & GAS NITRO, WEST VIRGINIA 25143 Tract Acres 48		· · · · · · · · · · · · · · · · · · ·		6-7 01/Ce of O
Surface: Charles & Rayelda Sanderson DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 Well (Farm) No. Serial No. 12181 Well (Farm) No. Serial No. 12181 County BARBOUR Engineer Dawll m Kaddiffe Engineer's Registration No. LL.S 74 File No. Drawing No. Date 2-13-78 Scale 1"=500' DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP ORDINATION OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP ORDINATION OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP ORDINATION OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143 WELL LOCATION MAP OFFICE OF OIL & GAS NITRO, WEST VIRGINIA 25143	- Ashland Exploration,	Inc.		
Tract Acres_48Lease No.93127 Well (Farm) No Serial No.12181 WELL LOCATION MAP Elevation (Spirit Level) 1416'	P.O. box 391-Ashland,	Ky 41114-0391 —	STATE OF WEST DIVISION OF ENVIRONM	ental protection 9 2/Mc
Tract Acres 48	transfer to the real		CALLOR OF OI	L G GAD
Well (Farm) No. Serial No. 12181 WELL LOCATION MAP Elevation (Spirit Level) 1416' Quadrangle PHILIPPI 71/2' County BARBOUR District PLEASANT Consolidated Rescurping. Engineer's Registration No. LL.S 74' File No. Drawing No. Date 2-13-78 Scale 1"=500' WELL LOCATION MAP GRANDINAL OF COUNTY		L No 93127	NITRO, WEST VIRO	JINIA 25143
Elevation (Spirit Level) 1416' Quadrangle PHILIPPI 71/2' County BARBOUR District PLEASANT CONSOLIDATE Registration No. L.L.S 74 File No. Drawing No. Date 2-13-78 Scale 1"=500' Elevation (Spirit Level) 1416' ARTHOMOGRAPH CONSOLIDATE AND 1470 BY Well dillal in 1470 BY Consolidated Rescale 1470 BY C	1		WELL LOCA	TION MAP
Quadrangle PHILIPPI 71/2' County BARBOUR District PLEASANT Well dilled in 1970 by Engineer Dawll M Kadchfe Engineer's Registration No. L.L.S 74 File No. Drawing No. Date 2-13-78 Scale 1"=500' Philippi 71/2' Well dilled in 1970 by Consolidated Rise Suffly. Daylor Square 45 fine Og/23/2016			a alandana ila	01.000056-1
County BARBOUR District PLEASANT COMPOSIDATED AND COMPOSI	1		MAKI ALEUKULI Y-1-0	11-00700 T
Engineer Dawll m Kadriffe Engineer's Registration No. L.L.S 74 File No. Drawing No. Date 2-13-78 Scale 1"=500" Engineer's Registration No. L.L.S 74 Date 2-13-78 Scale 1"=500" Consolidated Rescription File No. Squarge 45 frac Alley System & Consolidated Rescription File No. Squarge 45 frac Op/23/2016	7		Well drilled in	1479 07
Engineer's Registration No. L.L.S 74 File No. Drawing No. Date 2-13-78 Scale 1"=500' Date 2-13-78 Scale 1"=500' Date 2-13-78 Date 2-13-78 Scale 1"=500' Date 2-13-78	1 ' 4). 11 0-	Kadchille	Consolidated Ki	to Duffly.
File No. Drawing No. Beyon Square 40 frac Date 2-13-78 Scale 1"=500"		L.L.S 74	TD 4352 80	oduction from
Date 2-13-78 Scale 1"=500" Alley Speech & Comangle 09/23/2016			Bensen squee	ge to free
0 09/23/2016		_	Aller Sierik	le Comunelle
alter Bandon. Phitipp: 5	L			09/23/2016
	Extra feet		White Band	on. Phitiag: 5

WW-4-A Revised 6/07

1)	Date:		Augus	st 8	3, 2016		
2)	Operator's Well Number						
	152161 (Reed	#12181	A)				
3)	API Well No.:	_47	001	-	00956		
		State	County		Permit		

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

Surface Owner(s) to be served:		5) (a) Coal Operator:			
	(a) Name	Kevin L. Keene, Richard L. & Esther Keene	Name	Wolf Run Mining Co., LLC	
	Address	110 Sunset Circle Lane	Address	1 Edmiston, Suite 211	
		Philippi, WV 26416		Buckhannon, WV 26201	
	(b) Name		(b) Coal Ow	ner(s) with Declaration	
	Address		Name	Kevin L. Keene, Richard L. & Esther Keene-	
				110 Sunset Circle Lane	
			Address	Philippi, WV 26416	
	(c) Name Address		Name		
	Address		Address		
6)	Inspector	Kenneth Greynolds	(c) Coal Les	see with Declaration	
	Address	613 Broad Run Road	Name	Arch Coal / Ark Land Company	
		Jane Lew, WV 26378	Address	c/o Vaughn R. Miller	
	Telephone	(304) 206-6613		Arc Land Northern Appalachia	
				100 Tygart Drive	
				Grafton, WV 26354	

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 Division 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:	EQT Production Company
By:	Victoria J.Roark
Its:	Permitting Supervisor
Address:	PO Box 280
	Bridgeport, WV 26330
Telephone:	(304) 848-0076
Subscribed and sworn before me this Act of Chertie	day of August , 2016 Notary Public
My Commission Expires:	2/2/8

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

STATE OF WEST VIRGINIA NOTARY PUBLIC Misty S Christie 1207 Briercliff Rd Bridgeport, WV 26330 My Commission Expires February 20, 2018

09/23/2016

WW-9 Revised 5/16

Page of			
2) Operator's Well	Numb	er	
152161 (Reed #12	181A)		
3) API Well No.:	47	001 -	00956

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

FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name:	EQT PRODUCTION COMPANY	OP CO	DE:
Watershed (HUC 10):	Taylor Drain	Quadrangle:	Phillipi
Do you anticipate using mo	re than 5,000 bbls of water to complete		Yes No_X_
· · · · · · · · · · · · · · · · · · ·	X No		
If so, please describe antici	* 19 Jan	Formation Fluids	
3.753	d in the pit? Yes X No	Is so, what ml.?	20 10ml
Proposed Disposal Method		ide and a coppy	
	Underground Injection (UIC Perr	vide a completed form WW-9-GPP)	
X	Reuse (at API Number Variou		
X		form WW-9 for disposal location. S	see attachment)
	Other (Francis		
Will closed loop system be	used ? If so describe:		
	for this well? (vertical and horizontal)	2 Air freshwater oil based etc	
		- 7 m, meenwater, on bacca, etc.	
Additives to be used in drill	27-27 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		
	od? Leave in pit, landfill, remove offsit		
	an to solidify what medium will be used? (
Landfill or offsite r	name/permit number?		
			Name of the state
	notice to the Office of the Oil and Gas of		
	ity. The notice shall be provided within 24	hours of rejection and the permittee sha	all also disclose
where it was properly dispose	d.		
I certify that I understand	d and agree to the terms and condition	s of the GENERAL WATER POLLU	TION PERMIT issued on April
1, 2016, by the Office of Oi	and Gas of the West Virginia Division	of Environmental Protection. I under	erstand that the provisions of
the permit are enforceable can lead to enforcement ac	by law. Violations of any term or cond	ition of the general permit and/or otr	er applicable law or regulation
	lion. I law that I have personally examined a	and am familiar with the information	submitted on this application
form and all attachments th	ereto and that, based on my inquiry of	those individuals immediately response	nsible for obtaining the
information, I believe that the	ne information is true, accurate and co		gnificant penalties for
Company Official Sign	nature	me -	
Company Official (Ty	ped Name) Vicki Roark		Office Received
Company Official Title	Permitting Supervisor - W	V	Gas
Subscribed and sworn b	pefore me this	day of August	AUG 1 9 2016
	Wit & Church	Notary	Public
My Commission Expires	OFFICIAL SEAL	2/20/18	
A STATE OF THE PARTY OF THE PAR	STATE OF WEST VIBGINIA S	1 1	
美国新 农	Misty S Christie §		09/23/2016
	1207 Briercilff Rd Bridgeport, WV 26330		23, 23, 23, 10
No. of the second	My Commission Expires February 20, 2018		

			OPERATOR'S	WELL NO.: sed #12181A)
	LEGEN	ID -	19410.00	SAN ELETOTAL
Property Boundary	***	Diversion	1111	
Road	S	pring	Wet Spot	
	, 0-	→	**	
Planned Fence	Drain Pipe with s	lize in inches	Water Way	
//_/	 @		←→ ←	
Existing Fence	Stream	~	Cross Drain	
Open Ditch	Artificial Filte	r Strip	Rock	
		•	& & & & & & & & & & & & & & & & & & &	
North	Building	Water well	Drill site	
N		W	\oplus	
Pit with Cut Walls	Pit with Compacte	d Walls Area	of Land Application	of Pit Waste
هنسنگ		_		€
Proposed Revegetation Treatm	nent: Acres Disturbed:	± Prevegetati	on oH	
	ns/acre or to correct to pH			
Fertilizer (10-20-20) or ed	•	6.5 73 ton	ibe <i>learo (</i> 500 II	
Mulch 2 To		0.011	_ lbs/acre (500 ll	os minimum)
	SEED MIXTURES			
Area I			Area (I	
Seed Type	lbs/acre	Seed Type		lbs/acre
Red Fescue	40	Red Fescue		15
Alsike Clover	5	Alsike Clover		5
Annual Rye	15			
	·			
ATTACH: Drawing(s) of road, location, Photocopies section of invol	pit and proposed area for land ved 7-5' topographic sheet.	application.		
Plan approved by:	mil Luga M	•	_	
Comments: RECLAIN	1. RESEED AND	MULCH 1	1511	
Title: <u>QULF CDS</u> Field Reviewed?	INSPECTOR DE	ate: 9-1	12-16	_

Topo Quad: Philippi 7.5' Scale: 1" = 200' County: Barbour Date: August 12, 2016 District: Pleasant Project No: 163-10-00-16 47-001-00956 WV 152161 (Reed #12181A) Pit Location Map 47-001-00956 WV 152161 Existing Well Access Road NAD 27, North Zone N:257972.33 **LEGEND** E:1845579.08 PIT-CUT WALLS WGS 84 PIT-COMPACTED WALLS LAT:39.207096 AREA OF LAND APPLICATION OF PIT WASTE LONG:-80.044741 ELEV:1396.40 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: ALLEGHENY SURVEYS, INC. **EQT Production Company** P.O. Box 280 CO Of Oil & Gas 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 AUG 1 9 20 FAX: (304) 649-8608

EQT Production Water plan Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV

Office of Oil & Gas

Topo Quad: Philippi 7.5' Scale: 1" = 2000' County: Barbour July 26, 2016 Date: Pleasant District: Project No: 163-10-00-16 Topo 47-001-00956 WV 152161 (Reed #12181A) 1700-47-001-00956 WV 152161 Tygari Valle Hopewell NAD 27, North Zone N:257972.33 Corder Crossing E:1845579.08 **WGS 84** LAT:39.207096 Berryburg LONG:-80.044741 Junction ELEV:1396.40 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 P.O. Box 280 237 Birch River Road Bridgeport, WV 26330 Birch River, WV 26610 PH: (304) 649-8606

FAX: (304) 649-8608



West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

API: 47-001-00956 WELL NO.: WV 152161 (Reed #12181A)
FARM NAME: Charles & Rayelda Sanderson
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Barbour DISTRICT: Pleasant
QUADRANGLE: Philippi 7.5'
SURFACE OWNER: Kevin L. Keene
ROYALTY OWNER: Enzo & Roberta Cardelli, et al.
UTM GPS NORTHING: 4340193
UTM GPS EASTING: 582477 GPS ELEVATION: 425 m (1396 ft)
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:
Signature Title T/29/16 Office of Oil & Gas



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Reed #12181A - WV 152161 - API No. 47-001-00956

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 400 +/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address: 110 Sunset Circle Lane, Philippi, WV 26416 Phone No Comments: Public water
Site: 2 Spacing: 800 +/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address: 110 Sunset Circle Lane, Philippi, WV 26416 Phone No Comments: Public water
Site: 3 Spacing: 780+/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address: 110 Sunset Circle Lane, Philippi, WV 26416 Phone No Comments: Unoccupied house
Site: 4 Spacing:580+/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address:110 Sunset Circle Lane, Philippi, WV 26416 Phone No Comments:Unoccupied mobile home
Site: 5 Spacing: 670 +/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address: 110 Sunset Circle Lane, Philippi, WV 26416 Phone No Comments: Pond
Site: 6 Spacing: 680 +/- Owner: Kevin L. Keene - Richard L. and Esther Keene (Life Estate) Address: 110 Sunset Circle Lane, Philippi, WV 26416 Phone No. Comments: Public water

BIRCH RIVER OFFICE

237 Birch River Road Birch River, WV 26610 phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive Bridgeport, WV 26330 phone: 304-848-5035 fax: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 * 1413 Childress Rd Alum Creek, WV 25003 phone: 304-756-2949 fax: 304-756-2948

AUG 1920

25 Lights Addition Drive Martinsburg, WV 25404 phone: 304-901-2162 fax: 304-901-2182

Topo Quad: Philippi 7.5' Scale: 1'' = 2000'County: Barbour Date: July 26, 2016 District: Pleasant Project No: 163-10-00-16 Water 47-001-00956 WV 152161 (Reed #12181A) 6 Potential Water Sources within 1000 47-001-00956 WV 152161 Site 5 Site 4 Tygari Vall Hopewell NAD 27, North Zone N:257972.33 Corder Crossing E:1845579.08 xgrape-Run WGS 84 LAT:39.207096 Berryburg LONG:-80.044741 Junction ELEV:1396.40 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 P.O. Box 280 Bridgeport, WV 26330 AUG 19 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608