



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

January 10, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4701593, issued to EQT PRODUCTION COMPANY, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: WV 506499 (KENNEDY 6499)
Farm Name: RATLIFF, EARL W. & PEGGY
API Well Number: 47-4701593
Permit Type: Plugging
Date Issued: 01/10/2014

Promoting a healthy environment.

01/10/2014

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.

Date: December 16, 2013
Operator's Well
Well No. 506499 (Kennedy 6499)
API Well No.: 47 047 - 01593

CK 17237
100⁰⁰

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas X Liquid Injection Waste Disposal:
If Gas, Production X Or Underground storage Deep Shallow X
- 5) Elevation: 2154 Watershed: Bradshaw Creek
Location: Sandy River 06 County: McDowell 47 Quadrangle: Bradshaw 7.5' 261
District:
- 6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place Address: 120 Professional Place
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) Oil & Gas Gary Kennedy 9) Plugging Contractor:
Name: P.O. Box 268 Name: HydroCarbon Well Service
Address: Nimitz, WV 25678 Address: PO BOX 995
Buckhannon, WV 26201

- 10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

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

Work order approved by inspector

Gary Kennedy

Date 12/27/13

PLUGGING PROGNOSIS

506499

McDowell COUNTY, WEST VIRGINIA
API # 47-047-01593

BY: Beau Fry
DATE: 12/4/13

CURRENT STATUS: *Tubing still has 5/8" rods sticking up (5/8" pin threads stripped) 2 3/8" tubing 568' from surface. 1334' 5/8 rods still in hole.*

13 3/8" csg @ 15' Grouted
9 5/8" csg @ 855' Cemented to surface
4 1/2" csg @ 1964' Cemented to surface
2 3/8" tubing @ ? Probably @ 1902' and may have a tail joint
5/8" rods @ ? 1902. Rods stuck and were backed off down to 568' / 1334' of 5/8" rods in there rest are in there.
TD @ 1964'

Oil Shows – None Reported FW Shows – None Reported Gas shows – None Reported
Coal Shows – Several listed on record
Coal Stimulation: Hole perforated @ 1356'-1420' Poca,9,Firecreek, L Fire creek , Beckley - 1692' - 1902' Poca# 3 1,2,3,4

1. Notify State Inspector, Gary Kennedy, 1-304-382-⁸⁴⁰²~~9700~~ 48 hrs prior to commencing operations.
2. Fish out 5/8" rods in tubing ~~to~~ close to the bottom set of perforations or all if possible , try to work tubing free. If all rods and pump retrieved out of tubing try to pump down tubing and report results.
3. If tubing will not work free and cannot pump down hole , free point tubing and shoot tubing at 1800' and pull 2 3/8" tubing and check condition.
4. TIH w/ tbg @ 1800' or Free point cut'; Set 800' CIA Cement Plug @ 1800' to 1000' (Coal Completions perforations).
5. TOOH w/ tubing let cement cure.
6. TIH w/ tubing check Cement top and set CIA Cement from Cement top to Surface ^{totally filling} remainder of well w/ cement.(Coal Completion Perfs, 9 5/8" csg pt.13 3/8" csg pt.)
7. Top off as needed ^{wv}
8. Set Monument to ~~VA~~-DEP Specifications
9. Reclaim Location & Road to ~~VA~~-DEP Specifications ^{wv}

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6% GEL PLUG
BETWEEN CEMENT PLUGS

GEL MUST BE FRESH WATER COMBINED
WITH AT LEAST 6% BENTONITE (BY WEIGHT)

gmm

PLUGGING PROGNOSIS

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API # 47-047-01593

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Oil Shows - None Reported FW Shows - None Reported Gas shows - None Reported
Coal Shows - Several listed on record

Coal Stimulation: Hole perforated @ 1356'-1420' Poca.9.Firecreek. L Fire creek . Beckley - 1692' - 1902' Poca# 3 1.2.3.4

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3. If tubing will not work free and cannot pump down hole . free point tubing and shoot tubing at 1800' and pull 2 3/8" tubing and check condition.
4. TIH w/ tbg @ 1800' or Free point cut': Set 800' CIA Cement Plug @ 1800' to 1000' (Coal Completions perforations).
5. TOOH w/ tubing let cement cure.
6. TIH w/ tubing check Cement top and set CIA Cement from Cement top to Surface totally filling remainder of well w/ cement.(Coal Completion Perfs. 9 5/8" csg pt. 13 3/8" csg pt).
7. Top off as needed wv
8. Set Monument to VA-DEP Specifications
9. Reclaim Location & Road to VA-DEP Specifications wv

6% gel plug
Between cement
Plugs.

JK

GEL MUST BE FRESH WATER COMBINED
WITH AT LEAST 6% BENTONITE (BY WEIGHT).

4701593P

Kennedy 506499

WP-35

API # 47- 047-01593

AD

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

Well Operator's Report of Well Work

Farm Name: Kennedy, Cleo Operator Well No.: 506499

LOCATION: Elevation: 2163.66' Quadrangle: Bradshaw
District: Sandy River County: McDowell
Latitude: 13,225 Feet South of 37 Deg. 22 30
Longitude: 5300 Feet West of 81 Deg. 50 0

Company: Equitable Production Company
P.O. Box 2347, 1710 Pennsylvania Avenue
Charleston, WV 25328

Agent: Steve Purdue

Inspector: Otto Helmick

Permit issued: 1/10/2002

Well work commenced: 05/04/02

Well work completed: 07/05/02

Verbal Pugging

Permission granted on:

Rotary Rig Cable Rig

Total Depth 2006 feet

Fresh water depths (ft)

Salt water depths (ft) 1630'

Is coal being mined in area?

Coal Depths (ft):

Casing & Tubing Size	Used In Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	15.8'	15.8'	grouted
9 5/8"	855'	855'	318.6 ft ³
4 1/2"	1984.5'	1984.5'	563.73 ft ³
2 3/8"		1902'	

OPEN FLOW DATA

Producing formation Lower Coal Seams; Middle Coal Seams; Upper Coal Seams Pay Zone Depth (ft):

See Attach for details

Gas: Initial open flow 0 MCF/d Oil: Initial open flow Bb/d

Final open flow: 66 (in line) MCF/d Final open flow: Hours

Time of open flow between initial and final tests Hours

Static rock pressure 218 psig (surface pressure) after Hours

Second producing formation Pay Zone Depth (ft):

Gas: Initial open flow MCF/d Oil: Initial open flow Bb/d

Final open flow: MCF/d Final open flow: Hours

Time of open flow between initial and final tests Hours

Static rock pressure psig (surface pressure) after Hours

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

Kathy L. Murray
For Equitable Production Company

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By: *[Signature]*
Date: 3/18/03

WV Department of Environmental Protection
Bradshaw 1

01/10/2014

**EQUITABLE PRODUCTION COMPANY
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary**

Well: WVC-506499

API# 47-047-01593

Date	06/27/02	06/27/02	06/27/02
Type Frac	70 Q	70 Q	70 Q
Acid, N ₂ , Foam, Water	Foam	Foam	Foam
Zone Treated	Poca 1,2,3,4	Fire Creek L. Fire Creek Poca 9	Beckley
# Perfs	29	20	20
From - To:	1692' - 1873.7'	1356' - 1420.5'	1251.5' - 1257'
BD Pressure @ psi	2171	3087	2331
ATP psi	2914	2587	3650
Avg. Rate, B=8/M, S= SCFM	9.2 B	10.2 B	7 B
Max. Treat Press psi	3753	3396	4100
ISIP psi	1337	1694	2046
Frac Gradient	1.18	1.65	2.06
10 min S-I Pressure	2007 (5 min)	1446 (5 min)	1650
Material Volume			
Sand-sks	92	68	57
Water-bbl	385	284	191
SCF N ₂	512000	413000	420000
Acid-gal	900 gal 15%	900 gal 15%	400 gal 15%
NOTES:			

TOP	BOTTOM	FORMATION	REMARKS
			Water @ 1630'
921.25'	927.5'	SEWELL A	
957.5'	959.5'	SEWELL B	
1043.25'	1043.75'	WELCH	
1251.5'	1257.25'	BECKLEY	
1355.75'	1359'	FIRE CREEK LOWER FIRE	
1382.75'	1383.5'	CREEK	
1419.75'	1420.25'	POCA 9	
1436.5'	1437'	POCA 8	
1691.75'	1693.75'	POCA 4	
1775'	1777'	POCA 3	
1820.75'	1824.25'	POCA 2	
1871.75'	1873.75'	POCA 1	
1928'	1929.5'	SQUIRE JIM	
		MAUCH CHUNK	
		TD	
		2006'	

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4701593P



Historical Well Chronology

PLUG

Well Name: 506499 WVC-6499 Kennedy

API 4704701593	Enertia Well # 506499	PUD Name & #	Permit Number	Permit Date	Prod Resp Party	Farm Name (WV)	Operator	State WV
Ong KB Elev... 2,174.00	Spud Date 5/4/2002	Planned Well Geometry	Well Type Conventional	Loc Stat from LM Spud	Area	County Mc Dowell	Quad	

Job Category: Completion/Workover, Job Start Date: 8/29/2007

Job Category Completion/Workover	AFE Number	Start Date 8/29/2007	Date TD Reached (wellbore)	Target Depth (ftKB)	Total AFE Amount (Cost)
Summary					

Report #: 1.0 DFS: 1943.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/29/2007 06:00	Operations at Report Time Pull tbg	Last Casing String				
Day Total (Cost) 700.00	Cum To Date (Cost) 700.00	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts

Operations Summary
AM Status: Will try again in the morning. MIRU - BWD started TOOH with 5/8 rods Pump stuck pulled 25K. Then tried to pull Tbg 2.375 EUE 4.7# 8rd it is stuck also did stretch test pulled 3 times avg 5.5" which calculates tbg stuck @ 1571'.

Job Category: Completion/Workover, Job Start Date: 7/30/2010

Job Category Completion/Workover	AFE Number	Start Date 7/30/2010	Date TD Reached (wellbore)	Target Depth (ftKB)	Total AFE Amount (Cost)
Summary					

Report #: 1.0 DFS: 3009.00 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 7/30/2010 00:00	Operations at Report Time MIRU	Last Casing String				
Day Total (Cost) 700.00	Cum To Date (Cost) 700.00	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts

Operations Summary
On 7-30: Move from Davey WV to Bradshaw WV . Miru on location this well still has rods in it. RDMO

AFE

Report #: 2.0 DFS: 3012.00 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/2/2010 00:00	Operations at Report Time Pull Rods	Last Casing String				
Day Total (Cost) 1,425.00	Cum To Date (Cost) 2,125.00	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts

Operations Summary
On 8-2: MIRU BWD tried to pull rods work them out to 6000# would not come free. Then tried to pull tubing work with it up to 21000# Tried to call Barry @ 1:00 PM . No phone service Barry got on location @ 2:00 pm then we back off rods we got 22 rods plus 18' of pup joint out total of 568' we still have 1334' in well with a box looking up at us. I called Jeff mast and we talked about running and overshot to pull rods out and to order 3/4 rod to do it with SDFN.

AFE

Report #: 3.0 DFS: 3013.00 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/3/2010 00:00	Operations at Report Time Pull Rods	Last Casing String				
Day Total (Cost) 6,647.46	Cum To Date (Cost) 8,772.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts

Operations Summary
On 8-3: Got to Location TIH with 5/8 rods set down reconnected torque rods down pulled 2300# tried backing off it came lose the same place did the same thing again this time pulled 2400# back off same place tried the same thing again while waiting on 3/4 rod to arrive on location this time pulled 2500# with same result. Truck got to location @ 1:00 PM they didn't send the box's to connect rods called oil well and they are bring down this evening. unload rods and SDFE @ 2:00 PM .

AFE

Report #: 4.0 DFS: 3014.00 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/4/2010 00:00	Operations at Report Time Run Rods	Last Casing String				
Day Total (Cost) 625.00	Cum To Date (Cost) 9,397.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts

Operations Summary
On 8-4: Got to location set everything up to run overshot TIH with 2 and 1/2 rods and the overshot wouldn't go any more. Calcium build up so we TIH with 1 - 5/8 pony rod attach to 3/4 rods and screwed back in to fish and pulled 19000# and it pulled the threads off the pin. So I call Jeff and couldn't get him then call Beau ask him what to do he said he would get back to me so I waited @ Cody's shop. He called back and said to RDMO move to 508827 well LDF

AFE

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NOTE_TEXT

1	Wells with production greater than 10 mcf/d for Operations model.
2	GREATER THAN 10Mcf/d: 2007
3	2007 Royalty Lawsuit.
4	Flo Cal
5	Sample taken from well.
6	Code - 97
7	N/A
8	Brenton UnRegulated
9	September Volume Variance.
10	Brenton WV CBM.
11	BR2 200 WELLS
12	Oct Vol Variance Analysis.
13	Brenton CBM wells.
14	Brenton.
15	Still Flat - No
16	Revised LLP_V2 Treasury list.
17	CUMUPD curve problems.
18	Curve fit checks.
19	AS Curve
20	Orifice Plate Diameter - 0.375 / Tube Diameter - 2.06500005722046
21	Comp. unit off on liquid level since 12:00 am 1/20. Thawed and blew pot on skid. Put methanol in line downstream c
22	Comp. still off due to liquid level in pot frozen.
23	Comp. and pump units are on.
24	csg. press. dropped to approx. 50#. Tbg. blowing very weak. Turned surface press. into csg.. Well cleaned up bette
25	Well press. is 5# w/ comp. on.
26	Repacked stuffing box.
27	clock turning too fast
28	Replaced and tightened bolts anchoring gearbox to frame. Lubed and tightened cup-box.
29	lubed pumprod
30	Reset pump cycle to 30 min. on- 30 min. off.
31	Fluid Level-2400 gal. in tank.
32	3700 gal. in tank.
33	Gearbox on PJ needs bolts replaced to tighten unit to base.
34	Blow Drip-68 bbbls in tank; producing approx 4 bbbls per/day.
35	Lubed and tightened stuf-box to arrest leakage.
36	PU on. 63.2 bbl in tank.
37	Maintenance-Turned well inline post curtailment. Overhauled stuf-box to arrest leakage.
38	Maintenance-Tank full; called for trk.
39	Maintenance-Lubed stuf-box (no leaks); tank full-called for trk. Flow vol=17 mcf.
40	Maintenance-Flow=18 mcf.
41	Maintenance-Flow=18 mcf; lubed+tightened stuf-box.
42	Maintenance-18mcf
43	Blow Drip-Location-17MCF
44	Blow Drip - Location-Fluid Level.
45	Maintenance-Blow Drip - Location.
46	Maintenance-Blow Drip - Location.
47	Blow Drip - Location-Grease Pumping Unit.
48	Blow Drip - Location-Grease Pumping Unit.

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	NOTE_TEXT
49	Blow Drip - Location-Grease Pumping Unit -Well would not make water.
50	Blow Drip - Location-Grease Pumping Unit.
51	Blow Drip - Location-Change Chart/Download Meter-Shut pumping unit down, well wont make water.
52	Blow Drip - Location-Grease Pumping Unit -This well has stopped making all water. Flow has gone down t
53	Blow Drip - Location-Grease Pumping Unit -Well still will not produce water.
54	Change Chart/Download Meter-Blow Drip - Location
55	Change Chart/Download Meter-Blow Drip - Location
56	Change Chart/Download Meter-Blow Drip - Location
57	Change Chart/Download Meter-Blow Drip-Location-
58	Change Chart/Download Meter-Blow Drip-Location-Well is down.
59	Change Chart/Download Meter-Well is scaled off.
60	Change Chart/Download Meter-
61	Well is scaled in. Uneconomical. Remove forecast (15 MCFD uplift)
62	Change Chart/Download Meter-Well is scaled in.
63	Change Chart/Download Meter-Well is scaled In
64	Blow Drip - Location -Well is scaled in.
65	Downtime Equipment has been pulled off.
66	Downtime Equipment has been pulled off.
67	

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WV Department of
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01/10/2014

1) Date: December 16, 2013
2) Operator's Well Number
506499 (Kennedy 6499)
3) API Well No.: 47 047 - 01593
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

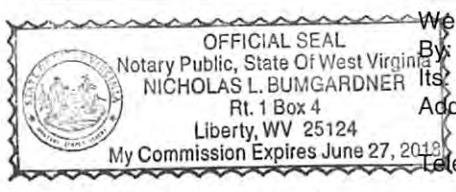
4) Surface Owner(s) to be served:
(a) Name Earl W & Peggy Ratliff ✓
Address 140 Eastern St
Stone, KY 41567
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gary Kennedy ✓
Address P.O. Box 268
Nimitz, WV 25178 25978
Telephone 304-382-8402

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Paul & Ruby Kennedy et al ✓
HC 61 Box 19B 17B
Address Paynesville, WV 24873-9404
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
Address _____

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:
By: _____
Its: _____
Address: _____
Telephone: _____

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 16 day of DECEMBER, 2013
My Commission Expires: 6/27/2018
Notary Public _____

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.

4701593P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Sherry Calhoun</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Sherry Calhoun</i> C. Date of Delivery <i>12-18-13</i></p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Paul & Ruby Kennedy et al HC61 Box 17B Paynesville, WV 24873-9404</p> <p style="text-align: center;">506499</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 2630 0002 2366 3428</p>
<p>PS Form 3811, February 2004</p>	<p>Domestic Return Receipt 102595-02-M-1540</p>

Received

DEC 30 2013

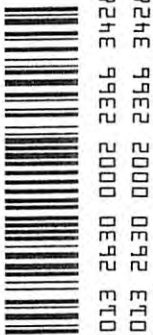
Office of Oil and Gas
WV Dept. of Environmental Protection

01/10/2014

4701593P

12/16/2013
US POSTAGE
\$07.17
ZIP 26330
041L10228692

Paul & Ruby Kennedy et al
HC61 Box 17B
Paynesville, WV 24873-9404
506499



**U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Post		

Sent To: **Paul & Ruby Kennedy et al**
HC61 Box 17B
Paynesville, WV 24873-9404

Street, Apt. or PO Box: _____
City, State: _____ 506499

PS Form 3800, August 2006 See Reverse for Instructions

PS Form 3811, February 2004
Domestic Return Receipt
102595-02-M-1540

2. Article Number (Transfer from service label)
7013 2630 0002 2366 3428

Paul & Ruby Kennedy et al
HC61 Box 17B
Paynesville, WV 24873-9404
506499

1. Article Addressed to:
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

A. Signature Agent
 Addressee

B. Received by (Printed Name) _____
 C. Date of Delivery _____

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes No

SENDER: COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

RECEIVED
Office of Oil & Gas
DEC 19 2013
WV Department of
Environmental Protection

01/10/2014

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

4701593A

Printed on Recycled Paper
CombBasePrice
\$05.32⁰

neopost[®]
12/16/2013
US POSTAGE

ZIP 26330
04TL10228892



Gary Kennedy
P.O. Box 268
Nimitz, WV 25978
130271, 130281, 793799, 793806, 508888, 506499

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WV Department of
Environmental Protection

01/10/2014

4701593P

\$07.17

ZIP 26330
041110228892

12/16/2013

US POSTAGE



7013 2630 0002 2366 3435
7013 2630 0002 2366 3435

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total F		

Sent To
 Earl W. & Peggy Ratliff
 140 Eastern Street
 Stone, KY 41567

506499

PS Form 3800, August 2006 See Reverse for Instructions

Earl W. & Peggy Ratliff
140 Eastern Street
Stone, KY 41567

506499

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Earl W. & Peggy Ratliff
 140 Eastern Street
 Stone, KY 41567
 506499

2. Article Number
 (Transfer from service label)
 7013 2630 0002 2366 3435

PS Form 3811, February 2004
 Domestic Return Receipt
 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes No

01/10/2014

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE**

Operator Name: EQT PRODUCTION COMPANY OP ID: _____
Watershed: Bradshaw Creek Quadrangle: Bradshaw 7.5'
Elevation: 2154 County: McDowell District: Sandy River

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes___ No X
Will synthetic liner be used in the pit? Yes Is so, what ml.? 30 ml

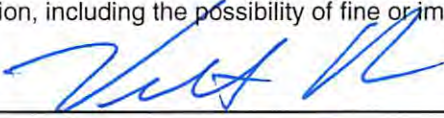
Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) _____
- Offsite Disposal Permit #. _____
- Other: Explain _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc.
If oil based, what type? Synthetic, petroleum, etc.
Additives to be used? _____

Will closed loop system be used? _____
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc.
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust
Landfill or offsite name/permit number? _____

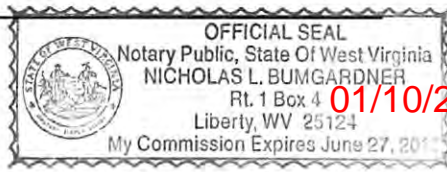
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature 
Company Official (Typed or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV
Subscribed and sworn before me this 16 day of DECEMBER 2013

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Office of Oil & Gas
DEC 19 2013

My Commission Expires 6/27/2018

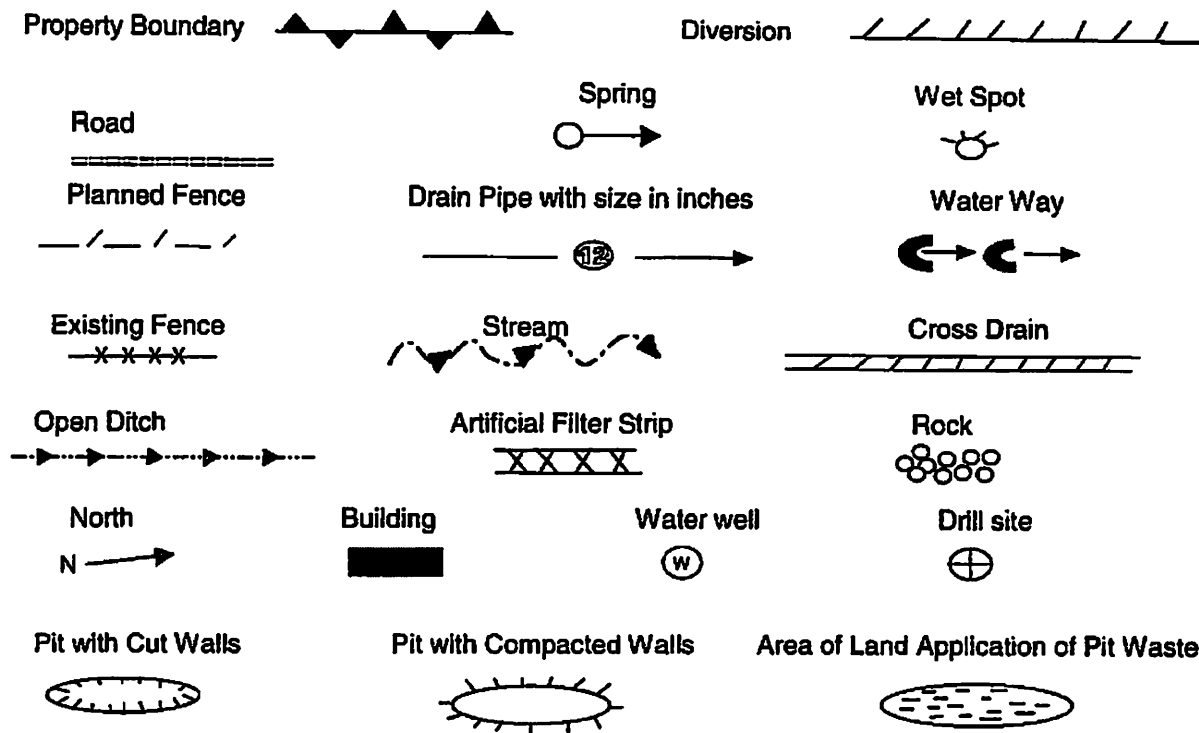
WV Department of Environmental Protection
Notary Public



01/10/2014

OPERATOR'S WELL NO.:
506499 (Kennedy 6499)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: *Ally Kennedy*

Comments: _____

Title: *Inspector* Date: *12/27/13*

Field Reviewed? Yes No

4701593P

Topo Quad: Bradshaw 7.5'

Scale: 1" = 2000'

County: McDowell

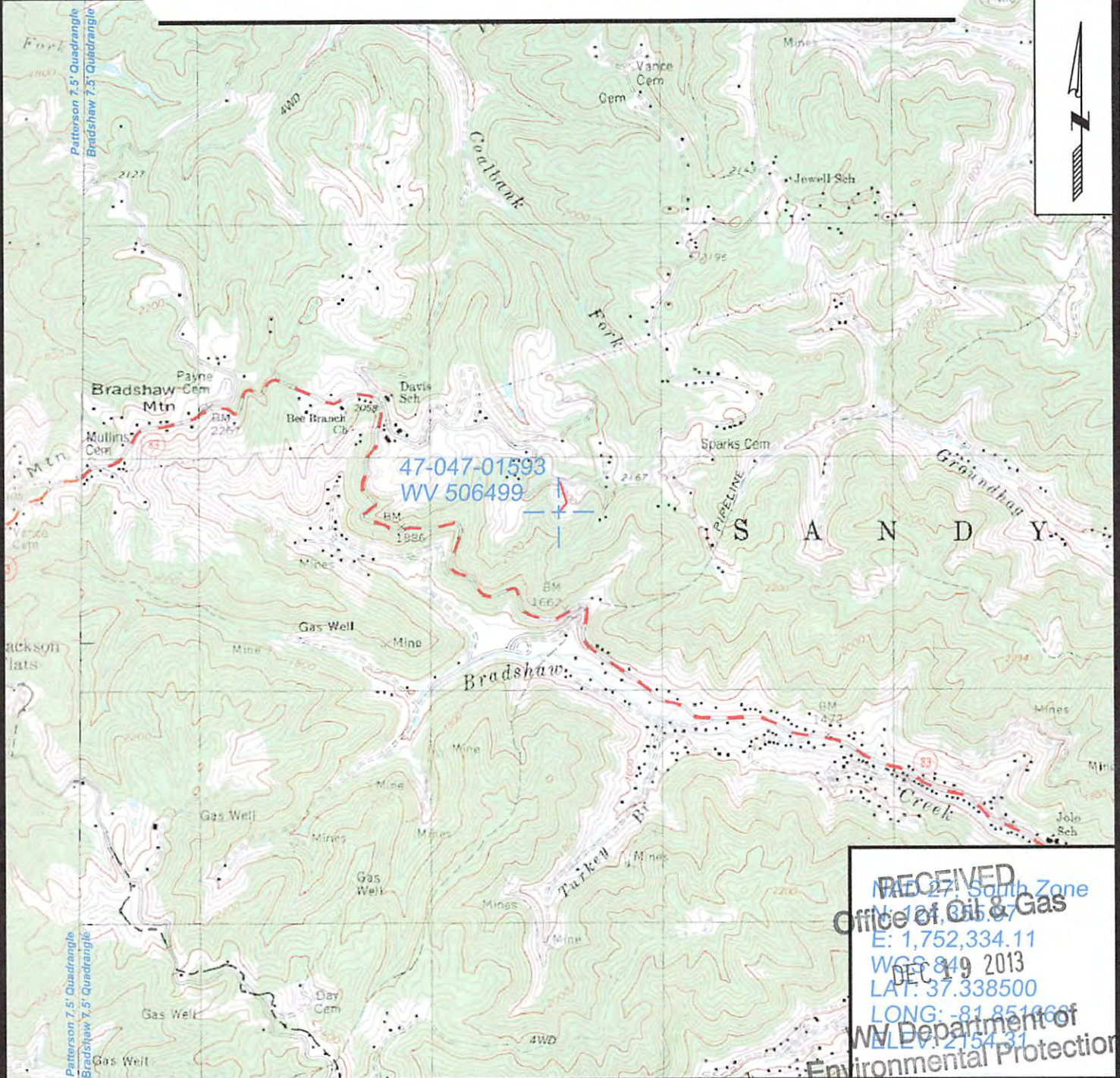
Date: December 4, 2013

District: Sandy River

Project No: 20-37-00-08

47-047-01593 WV 506499 (Kennedy 6499)

Topo



RECEIVED
 MAR 27 2014
 Office of Oil & Gas
 E: 1,752,334.11
 WGS 84
 LAT: 37.338500
 LONG: -81.851866
 WV Department of
 Environmental Protection



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

01/10/2014

4701593P

WW-7
8-30-06



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

API: 47-047-01593 WELL NO.: WV 506499 (Kennedy 6499)

FARM NAME: Kennedy

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: McDowell DISTRICT: Sandy River

QUADRANGLE: Bradshaw 7.5'

SURFACE OWNER: Earl W. & Peggy Ratliff

ROYALTY OWNER: Paul & Ruby Kennedy, et al.

UTM GPS NORTHING: 4132764

UTM GPS EASTING: 424558 GPS ELEVATION: 656 m (2154 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: 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 X: Post Processed Differential X
Real-Time Differential

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

I the undersigned, hereby certify this data is correct to the best of my knowledge, belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

RECEIVED
Office of Oil & Gas

DEC 19 2013

WV Department of
Environmental Protection

Signature

Stacy O. [Signature]
12/9/13

Title

PS # 2180

Date

01/10/2014