April 01, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5101190, issued to CHEVRON APPALACHIA, LLC, 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: FRANCIS 1
Farm Name: FRANCIS, BARBARA
API Well Number: 47-5101190
Permit Type: Plugging
Date Issued: 04/01/2014

Promoting a healthy environment.
April 01, 2014

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON  

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

5) Location: Elevation 1265  
District Clay  
Watershed Bartletts Run  
County Marshall  
Quadrangle Glen Easton  

6) Well Operator Chevron Appalachia, LLC  
Address 800 Mountain View Drive  
Smithfield, PA 15478  

7) Designated Agent  
Address  

8) Oil and Gas Inspector to be notified  
Name Jim Nicholson  
Address PO Box 44  
Moundsville, WV 26041  

9) Plugging Contractor  
Name Please see attached procedure  
Address  

10) Work Order: The work order for the manner of plugging this well is as follows:  
Please see attached "Plug & Abandon" Procedure  

RECEIVED  
Office of Oil and Gas  
FEB 20 2014  
WV Department of  
Environmental Protection  

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

Work order approved by inspector ______________________ Date ______________________  

04/04/2014
Chevron
Appalachian Michigan Business Unit

Francis 1V
Plug and Abandon Procedure
Expected Start Date: February 2013

<table>
<thead>
<tr>
<th>WBS</th>
<th>UWSAP - A4000 - 001</th>
</tr>
</thead>
<tbody>
<tr>
<td>API</td>
<td>47-051-01190</td>
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</tbody>
</table>

County: Marshall
WL / Tools Co.: SLB
Cement Co.: SLB Cementing
State: West Virginia
Latitude: 39° 52' 24.68" North
Longitude: 80° 41' 32.14" West

Objective:
Set a cement retainer to cement the perforations. This will be followed by removal of free pipe and setting cement plugs over water and coal zones to surface to complete the P&A.

Completion Design Review:
Listed below are the members of the well team who were in attendance and agreement with the completion procedure as discussed.

Created by: Sean Wainwright – Completions Engineer

WV Department of Environmental Protection
APR 1 2014
04/04/2014
Chevron is committed to providing a safe working environment for all personnel through the tenets we live by, such as Do it safely or not at all. Stop Work Authority means all personnel not only have the right but the responsibility to stop any potentially unsafe job. Report all injuries, no matter how minor, 24/7 to Axiom Medical at 1-877-502-9466.

Directions:
From the intersection of SR 88 and SR 250 (near Limestone WV) follow SR 250 South for (8.0 mi.), make a right onto Fork Ridge Rd. (Co. Hwy 17), and follow for 7.2 miles to lease entrance on right.
- The Francis IV has a shared lease entrance with Williams.
- The Francis Pad is 0.4 miles down the lease entrance on the right.

Site Specific Safety Precautions:
- See Picture below.

Casing Design:

<table>
<thead>
<tr>
<th>SIZE</th>
<th>WEIGHT</th>
<th>DEPTH</th>
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<tbody>
<tr>
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<td>5.5&quot;</td>
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Pressure and Dimensional Data:

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<td>2 3/8&quot;</td>
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<td>J-55</td>
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Capacities:

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Tb1g Detail:

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<td>6.464'</td>
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<tr>
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<tr>
<td>Pup</td>
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<td>6.512'</td>
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Francis IV PA Procedure
Cement Specifications:

- TOC between 5.5” and 8.75” open hole is expected to be at ~2,500’ by CBL.

Formation Specifics:

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<th>Coal Depth</th>
<th>Coal Name</th>
<th>Origin of Info</th>
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<td>Pittsburgh</td>
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<table>
<thead>
<tr>
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<th>Type</th>
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<table>
<thead>
<tr>
<th>Productive Zones</th>
<th>Zone</th>
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<td>6,398’</td>
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<tr>
<td>6,511’</td>
<td>6,560’</td>
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</tbody>
</table>

Initial Meeting

14 days prior to starting this workover procedure, hold a meeting, on location, with a Chevron Production representative and service rig contractor to discuss timing and needs of upcoming job. At this time the service rig contractor should make their “One Call” and also develop a site plan layout and have it to the correct Chevron personnel in a timely manner for site prep. 7 days prior to starting this workover procedure, ensure anchors are set (pull tested and charted), begin site prep and notify all business partners of start date and ensure all needed tools, equipment, tanks, fluids and tbg are available and on location by time of start date.

Workover Procedure Details

1) Site Prep:

Francis IV PA Procedure

04/04/2014
1. Hold Tailgate Safety Meeting and review all contractors JSA material for specific job task.
2. Check location and use pump style gas monitor with wand to check cellars for hazardous readings.
   - Any gas detection in work area requires Stop Work Authority (SWA).
3. MIRU containment (per site layout and needs) and surface rental equipment.
4. MIRU 3, 500 bbls frac tanks and 2, 500 bbls flowback tanks. Fill one (1) frac tank with (500 bbls) of produced water, fill the other 2 frac tanks with 500 bbls of fresh water each.
5. MIRU (2) 500bbl flow back tanks.
6. Obtain and record shut-in pressures on well and annulus.
   - Last recorded Csg, psi was 2,200 psi. (2/22/14)
   - Last recorded Tbg., psi was 2,100 psi. (2/22/14)
7. Rig up flow back crew utilizing 15K frac iron and choke manifold from 9 5/8” annulus to certified flow back tank.
8. Verify 9 5/8” x 5 1/2” annulus pressure is 0 psi. If any psi is observed bleed psi down to 0 psi.
   - Monitor surface CSG pressure/flow during circulating & pumping operations.
   - Monitor pressure on the annulus throughout the job and leave open during working hours. Call engineer if it changes.
9. MIRU Key Service Rig and all ancillary equipment.

2) Kill Well:
10. Bullhead, the well, down the back side of the tbg with 120 bbls of produced water at 3.0 – 5.0 bpm to fill annulus.
    - Do not exceed max pressure of 4,000 psi (5k production tree and a 20% safety factor = 4,000 psi).
11. Bullhead, the well, down the tbg with 30 bbls of produced water at at 3.0 – 5.0 bpm to fill tbg.
    - Do not exceed max pressure of 4,000 psi (5k production tree and a 20% safety factor = 4,000 psi).

**Bullheading is to displace any condensate back into the formation so as to not retrieve it on surface.**
12. Close tubing and casing valves and monitor pressure for 30 minutes to ensure the well is dead.
    - If psi is seen, bleed off psi and pump additional fluid as necessary to kill well.

3) Gyro Survey:
13. Hold Tailgate Safety Meeting and review all contractors JSA material for specific job task.
14. Spot equipment on location and assure spotters are utilized for all movement.
15. Check for psi and remove night cap.
    - If psi is on the well, bleed down and monitor well for 30 minutes to ensure no buildup.
16. RU wire line unit.
17. PU gauge ring and junk basket into lubricator.
18. Stab lubricator onto well head and test to 4,000 psi.
19. Bleed lubricator down to 0 psi.
20. Open production tree master valves and RIH to **6,425’**
21. POOH and examine junk basket.
22. PU gyro data survey tools into lubricator, stab onto well head, and test to 4,000 psi.
23. Bleed lubricator down to 0 psi.
24. Open production tree master valves and RIH to **6,425’**
25. Log up to surface.
26. Get log on hard copy and digital and distribute as needed.
   - Send 2 Hard Copies of each log to office for Engineer to review.
27. RDMO survey unit.

4) Wellhead Rigdown:
28. Ensure well is at 0 psi.
   o If psi is seen, bleed off psi and pump additional fluid as necessary to kill well.
29. Lubricate in Weatherford BPV in tubing hanger
30. ND existing production tree.
31. NU 7 1/16" BOP stack with blind rams on the bottom and 2 3/8" pipe rams on the top with annular.
32. Function test BOP.
33. Close BOP blind rams
34. Remove BPV and replace with a two way check.
35. RU pumps to BOP valves.
36. Pressure test BOP 250 low/ 5,000 high psi.
37. Remove two way check.

5) Pull Tubing:
38. MU 2 3/8" EUE FOSV (TIW) on tubing sub and close FOSV.
39. Stab into tubing hanger with tubing sub.
40. PU tubing and remove tubing sub FOSV and hanger.
41. Keep 2 3/8" EUE FOSV on standby on the rig floor and in the open position.
42. POOH
   o 204 Joints of 2 3/8" 4.7# J-55 EUE 8 rnd tubing
   o "X" Profile Nipple (1.875" ID)
   o 1 Joint of 2 3/8" J-55 EUE 8 rnd tubing
   o Pump off bit Sub
43. Close BOP’s.
44. Check all tbg. for NORM.
45. If tubing is too corroded, damaged, or does not pass the NORM inspection, lay it down and pick up new tubing for a workstring.

6) Run Cement Retainer:
46. P/U and RIH with 4 5/8’ tri-cone bit and CO to 5,500’ be sure to keep well full of fluid.
47. POOH with bit and scraper.
49. RIH w/tubing and cement retainer to 5,500’.
50. Set cement retainer.
51. Sting out of retainer and pressure test to 1,000psi.
52. Sting back into retainer and stack out to tool hands recommended weight.

7) Cement Marcellus:
53. Begin circulating fresh water down the 2 3/8’ tubing increasing rate in increments of 0.5 bpm to establish an injection rate below 5,800 psi.
o Burst pressure of 2 3/8", 4.7#, J-55 tubing is 7,700 psi and a 25% safety factor = 5800 psi
54. An injection rate is established once the pressure stabilizes and does not continue to increase,
preferably 3.0 bpm or above.
55. Once an injection rate has been established, sting into cement retainer and begin squeezing cement
into the perforations below the cement retainer.
56. Pump a total of 35 bbls or 165 sks (25% excess) of cement at 15.6 ppg (1.18 cu-ft/sk)
57. Displace cement with 19.25 bbls of fresh water. Do not exceed max pressure of 5,800 psi
58. Sting out of cement retainer and bleed pressure off.
59. Disconnect cement iron from tubing and open tubing valve to allow last 100' of cement to fall.

If max pressure is reached prior to displacement sting out of retainer and reverse circulate cement out.
60. POOH with 3 stands of tubing ~191'.
61. Reverse circulate tubing until returns are clean.
62. Circulate 100 bbls of fresh water to ensure well is full of fresh water above TOC/cement retainer.
63. Close BOP’s, secure the well, and shut down over night to Wait on Cement (WOC), or a minimum of
4 hours if cement is pumped in the morning.

8) Next Day:
64. RIH with tbg. to determine top of cement. (Note and Record TOC in WV)
65. PU tubing 2-3'
66. Pressure test well to 1,000 psi and hold for 5 minutes. Scan copy of psi test to completion engineer.
67. Circulate 69 bbl of 6% Bentonite gel. (Bentonite gel will be from 2,400'-5,400')
68. POOH
69. PU 5.5" RBP and RIH to set at 500'
70. POOH
71. Test plug to 1,000 psi

9) Pull Free Casing:
72. RD 7 1/16" BOP stack and tubing spool.
73. Pick up casing spear, stab casing, and remove casing slips.
74. RU 11" 5M BOP stack with blind rams on the bottom and 5.5" pipe rams on the top.
75. MIRU Wireline Unit.
76. RIH and Retrieve Bridge Plug.
77. POOH
78. RU wireline and casing spear, and stab into 5.5" casing with casing spear.
79. RIH with wireline freepoint tool to determine 5.5" free point.
80. POOH with spear and freepoint tool.
81. RU chemical cutting tool and RIH - cut casing at ~50' above free point. (Est. ~2,440')
82. POOH with Csg. Spear and chemical cutting tool.
83. RU 5.5" casing handler and stab onto 5.5 casing
84. TOOH with free 5.5" casing keeping the well full of fluid (have FOSV on standby with 5.5" CDC star
threads).
85. Close BOP’s.
86. Check all csg. for NORM.

10) Set Remaining Plugs:
87. Close BOP blind rams and change out 5.5" pipe rams with 2 3/8" pipe rams.
88. Spot RU Wireline Unit.
89. PU, solid composite 10K Cast Iron Bridge Plug (CIBP) and WL tools.
90. RIH with BHA to 3,000’.
91. PU and set solid CIBP at 2,600’, or a minimum of 200’ below where casing was cut.
92. Ensure CIBP is set and free from wireline, record line tension and weight and POOH.
93. PU & RIH with 2 3/8”, 4.7#, J-55 tubing to top of CIBP.
94. Circulate hole full of 6% bentonite gel (~175bbls).
95. Pump a total of 35.4 bbls or 307 sks of cement at 15.6 ppg (1.18 cu-ft/sk)
   o Estimated TOC to be at 2,000’.
96. POOH with 20 stands of tubing reverse circulate and WOC (minimum of 4 hours)
97. RIH and tag plug (Note and Record TOC in WV).
98. POOH laying down all tbg except 500’
99. PU 9 5/8” CIBP.
100. RIH and set 9 5/8” CIBP at ~500’
101. Circulate hole full, to surface, with 35.9 bbls or 257 sks of cement at 15.6 (1.18 cu-ft/sk).
102. POOH w/2 3/8” tubing, free fall cement in 9 5/8” casing to surface if needed, and shut-in.
103. RDMO all BPs.
104. Verify with DEP, wellhead removal and proceed as instructed.
   o Upon the completion of plugging and filling of any abandoned well, permanent monument or
   marker consisting of a length of pipe (min diameter of 6”) filled with concrete shall be erected
   over the well; the marker shall extend no less than 30” above the surface and not less than
   10’ below the surface, and shall be filled with concrete for the purpose of making the marker
   permanent. The API well identification number, which consists of the state (47), county (001
   through 109), and permit number shall be attached or stamped in a permanent manner to
   said monument; and such numbering shall be no less than 1/2” in height and shall be
   detectable by any interested person approaching the marker.
RECEIVED
Office of Oil and Gas

APR  1 2014

WV Department of Environmental Protection

04/04/2014
Current Well Bore Condition before P&A

Well: Francis #1

County: Marshall
Direction: See Proforma
Well Type: Vertical
Elevation: GL: 1285'

DF: 1282'
KB: 1283'

24" Hole @ 65'

20" 90# Conductor Csg @ 65'
Cemented w/ 25 sxs - Circ

17 1/2" Hole @ 970'

13 3/8" 54 5/8 Surface Csg @ 966'
Cemented w/ 950 sxs

12 1/4" Hole @ 2495'

9 5/8" 36# Intermediate Csg @ 2491'
Cemented w/ 1040 sxs - Circ

Sidetrack @ 5161'

8 1/2" Hole @ 5681'

7 7/8" Hole @ 6744'

TOC @ 2490' by CBL

Logged & Took Cores

Penetrate Marcellus: 6511' MD
Maximum Deviation - Displacement -

3/10/09; BJ Frac w/ 12,116 BFW (Treated)
263,000# 100 Mesh & 221,000# 40/70 sand.
sand. BD psi NA & BPM NA.
Avg 65 BPM @ 3862 psi. ISIP 2969 psi.
LTR: 24,379 bbls

3/9/09; BJ Frac w/ 12,263 BFW (Treated)
263,000# 100 Mesh & 263,000# 40/70 sand.
BD @ 3836 psi @ 6.9 BPM.
Avg 50.5 BPM @ 3973 psi. ISIP psi NA.
LTR: 12,283 bbls - Well Screened Out

5 1/2" 20# P-110 Csg @ 6727'
Cemented w/ 970 sxs

TD: 6744'

Clay Dist, Glen Easton 7.5' Quad

State: West Virginia
Location: 800' S of Lat 39° 52' 30''
Lease: 7120' W of Long 80° 40' 00''

Status: Producing

Survey: Clay Dist, Glen Easton 7.5' Quad
API #: 47-051-01190

Note: All depths MD unless noted

Build Location: Begin: 10/24/08 End: 11/08
Spud: 11/7/08
Rig Release: 12/11/08
Completed: 3/29/09
First Production: 11/5/10
Turned Over to AB Resources

Air/Foam Drilling Method - Rotary
Rig: UDI #43 (KB: 18') Ziegenfuss Sel Cond Pipe

Tubing: 2 3/8" 4.7#
204 - 2 3/8" Joints
6464' 1-1.875" ID X Nipple
1 - 2 3/8" Joint
Pump-off B® Sub
6512' EOT

Burkett: Top @ 6379' 88 Holes
2nd Slg Perfs: 6310' - 6330' 21 Holes
6385' - 6388' 67 Holes
Marcellus: Top @ 6511' 51 Holes
1st Slg Perfs: 6510' - 6550' 51 Holes

RECEIVED
Office of Oil and Gas
APR 1 2014

WV Department of Environmental Protection
3/14/09: Ran Memory Tool

04/04/2014

Francis IV PA Procedure
Proposed Well Bore Condition After P&A

Well: Francis #1
County: Marshall
Directions: See Prognosis
Well Type: Vertical

State: West Virginia
Survey: Clay Dist, Glen Easton 7.5' Quad
Lat 39° 52' 24.68"
Long 80° 41' 32.14"

Status: Producing
API # 47-051-01100

Updated: 11/8/10

Elevation:
GL: 1265'
DF: 1282'
KB: 1283'

All Depths MD unless noted
Build Location: 10/24/2008 - 11/4/2008
Spud: 11/7/2008
Rig Release: 12/12/2008
Completed: 3/29/2009
First Production: 11/5/2010

Air / Foam Drilling Method - Rotary
24' Hole @ 65'
20' 90# Conductor Csg @ 65'
Cemented w/ 25 sxs - Circ
17 1/2' Hole @ 970'
13 3/8" 54 # Surface Csg @ 955'
Cemented w/ 950 sxs
12 1/4' Hole @ 2465'
6 5/8" 30 # Intermediate Csg @ 2491'
Cemented w/ 1040 sxs - Circ

Top of Production Csg, Cement @ 2490' by CBL

3/10/09: BJ Frac w/ 12,116 BFW (Treated)
263,000# 100 Mesh & 221,000# 40/70 sand.
BD psi NA & BPM NA
Avg 05 BPM @ 3862 psi, ISIP 2960 psi.
LTR: 24,370 bbls

3/30/08: BJ Frac w/ 12,203 BFW (Treated)
263,000# 100 Mesh & 263,000# 40/70 sand.
BD @ 3830 psi @ 9.0 BPM.
Avg 50.5 BPM @ 3973 psi, ISIP psi NA.
LTR: 12,263 bbls - Well Screened Out

5 1/2" 20# P-110 Csg @ 5727'
Cemented w/ 970 sxs

P&A Well

Cement Plug to Surface
Set Cast Iron Bridge Plug at 850'
Cement Plug 2,600' - 2,600'
Cut Casing ~ 2,400'
Set Cast Iron Bridge Plug at 2,600'

Install Cement Retainer at 5,500'
Squeeze Cement into perforations

Burkett: Top @ 6370' 89 Holes
2nd Stg Perfs: 6310' - 6330' 21 Holes
6385' - 6360' 67 Holes
Marcellus: Top @ 6511' 51 Holes
1st Stg Perfs: 6510' - 6560' 51 Holes
3/14/06: Ran Memory Tool

All casing must be filled with Gel or Cement 04/04/2014
Completions AFE

Well Head

Chevron Francis 1V
Well Head.pdf

Schlumberger Cement Proposal

Chevron_Francis 1
_Abandonment_Plugs

Risk Assessment

P&A Risk Assessment

APPENDIX B – Bottom Hole Assemblies (BHA)
Schlumberger Wireline – Cement Retainer & CIBPs

4500 - 8625
CEMENT RETAINER C

BIG BOY CIBP.pdf

APPENDIX C – Contacts
Francis 1V PA Procedure 04/04/2014
# Morning Daily Call at 8:30am

*Phone # = (877)-344-4239*  
*Event ID Code = 726999*

<table>
<thead>
<tr>
<th>Company</th>
<th>Contact Name</th>
<th>Title</th>
<th>Mobile</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron, AMBU</td>
<td>Wimberg, Jim</td>
<td>Completions Superintendent</td>
<td>(412) 569-2893</td>
<td><a href="mailto:jwimberg@chevron.com">jwimberg@chevron.com</a></td>
</tr>
<tr>
<td>Chevron, AMBU</td>
<td>Otero, Stephan</td>
<td>Completion Team Lead</td>
<td>(412) 522-8181</td>
<td><a href="mailto:sotero@chevron.com">sotero@chevron.com</a></td>
</tr>
<tr>
<td>Chevron, AMBU</td>
<td>Wainwright, Sean</td>
<td>Completion Engineer</td>
<td>(412) 865-1479</td>
<td><a href="mailto:SWainwright@chevron.com">SWainwright@chevron.com</a></td>
</tr>
</tbody>
</table>
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: AB Resources PA LLC
2) Operator's Well Number: Francis #1
3) Elevation: 1265.2'
4) Well Type: (a) Oil  or Gas X
   (b) If Gas: Production X / Underground Storage
   Deep X / Shallow
5) Proposed Target Formation(s): Marcellus Shale
6) Proposed Total Depth: 8,000 Feet
7) Approximate fresh water strata depths: 60 - 100 feet
8) Approximate salt water depths: None
9) Approximate coal seam depths: 810 feet Pittsburgh Coal
10) Does land contain coal seams tributary to active mine? No
11) Describe proposed well work: Drill well in order to test and produce from the Marcellus Shale. TD to be approximately 150 feet below the base of the Marcellus Shale formation.

12) CASING AND TUBING PROGRAM

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SPECIFICATIONS</th>
<th>FOOTAGE INTERVALS</th>
<th>CEMENT</th>
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<tbody>
<tr>
<td></td>
<td>Size</td>
<td>Grade</td>
<td>Weight per ft</td>
</tr>
<tr>
<td>Conductor</td>
<td>20”</td>
<td>J-55</td>
<td>90</td>
</tr>
<tr>
<td>Fresh Water</td>
<td>13 3/8”</td>
<td>J-55</td>
<td>54.5</td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate</td>
<td>9 5/8”</td>
<td>J-55</td>
<td>36</td>
</tr>
<tr>
<td>Production</td>
<td>5 ½”</td>
<td>P-110</td>
<td>20</td>
</tr>
<tr>
<td>Tubing</td>
<td>2 3/8”</td>
<td>J-55</td>
<td>4.7</td>
</tr>
<tr>
<td>Liners</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packers:</td>
<td>Kind</td>
<td>Sizes</td>
<td>Depths Set</td>
</tr>
</tbody>
</table>

RECEIVED
Office of Oil & Gas
OCT 01 2008

WV Department of Environmental Protection

04/04/2014
**State of West Virginia**  
**Department of Environmental Protection**  
**Office of Oil and Gas**  

**Well Operator’s Report of Well Work**

**Farm Name:** Francis  
**Operator Well #:** 1  
**Location Elev. (ft):** 1265  
**Quadrangle:** Glen Easton  
**District:** Clay  
**County:** Marshall

**LAT:** 600  
**LON:** 7150  
**Deg. South of:** 39  
**Deg. West of:** 80  
**Min.:** 52  
**Sec.:** 30  
**Min.:** 40  
**Sec.:** 00

**Company:** AB RESOURCES  
**Address:** 6802 W Snowville Rd. Suite E  
**Brecksville, OH 44141**  
**Agent:** CT CORPORATION SYSTEMS  
**Inspector:** TRISTAN JENKINS  
**Date Permit Issued:** 10/22/2008  
**Date Work Commenced:** 11/7/2008  
**Date Well Completed:** 3/29/2009  
**Verbal Plugging:** NA  
**Date Perm. Granted:** NA  
**Drill Type:** ☐ ROTARY  
☐ CABLE  
☐ RIG

**Total Depth (ft):** 6744  
**Fresh Water Depth (ft):** NA  
**Salt Water Depth (ft):** NA  
**Active Coal Mining:** ☐ YES ☐ NO ☐ NA  
**Coal Depths (ft):** NA

**Casing/Tubing Diameter**  
<table>
<thead>
<tr>
<th>Casing/Tubing Diameter</th>
<th>Used in Drilling</th>
<th>Left in Well</th>
<th>Cement Fill (ft)</th>
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<tbody>
<tr>
<td>13 3/8</td>
<td>966</td>
<td>966</td>
<td>1235 cts</td>
</tr>
<tr>
<td>9 5/8</td>
<td>2491</td>
<td>2491</td>
<td>1079 cts</td>
</tr>
<tr>
<td>5 1/2</td>
<td>6727</td>
<td>6727</td>
<td>1261 (± 2490)</td>
</tr>
<tr>
<td>2 3/8</td>
<td>6512</td>
<td>6512</td>
<td></td>
</tr>
</tbody>
</table>

**OPEN FLOW DATA**

1st PRODUCING FORMATION: MARCELLUS  
**GAS:** Init. Open Flow: Na MCF/d  
Final Open Flow: Na MCF/d  
**ROCK Static Pressure:** Na psig

2nd PRODUCING FORMATION: BURKETT  
**GAS:** Init. Open Flow: Na MCF/d  
Final Open Flow: Na MCF/d  
**ROCK Static Pressure:** Na psig

**PAY ZONE DEPTH (ft):** 6511  
**PAY ZONE DEPTH (ft):** 6379

**INITIAL OPEN FLOW:**  
**GAS:** Init. Open Flow: Na MCF/d  
Final Open Flow: Na MCF/d  
**ROCK Static Pressure:** Na psig

**OIL:** Init. Open Flow: Na Bbl/d  
Final Open Flow: Na Bbl/d  
**ROCK Static Pressure:** Na psig

Time of open flow between initial and final tests: Na Hours

**Submit to:**  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
621 57th Street, SE  
Charleston, WV 25304-2345  
Phone: (304) 926-0450  
Fax: (304) 926-0452

**Company Name:** AB Resources  
**Signature:**  
**Name (PRINT):** James K. Wilson  
**Date:** 2/9/10

04/04/2014
### Perforated Intervals:

<table>
<thead>
<tr>
<th>Interval (ft)</th>
<th># Holes</th>
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<tbody>
<tr>
<td>6379-6398</td>
<td>88</td>
</tr>
<tr>
<td>6511-6560</td>
<td>51</td>
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### Stimulation:

<table>
<thead>
<tr>
<th>Type Used</th>
<th>Sand &amp; Water</th>
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<tbody>
<tr>
<td>Number Units</td>
<td>Units: lbs./Sx./Bbls</td>
</tr>
<tr>
<td>526,000</td>
<td>LBS</td>
</tr>
<tr>
<td>484,000</td>
<td>LBS</td>
</tr>
<tr>
<td>24,379</td>
<td>BBLS</td>
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### Well Log

**Surface:** 1265' GL

<table>
<thead>
<tr>
<th>Formations Encountered</th>
<th>Top Depth (ft)</th>
<th>Bot Depth (ft)</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Fill</td>
<td>0</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>10</td>
<td>900</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>900</td>
<td>1100</td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td>1100</td>
<td>1105</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>1105</td>
<td>1040</td>
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</tr>
<tr>
<td>Sand</td>
<td>1040</td>
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</tr>
<tr>
<td>Shale</td>
<td>1060</td>
<td>1180</td>
<td></td>
</tr>
<tr>
<td>Silt</td>
<td>1180</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>1200</td>
<td>1240</td>
<td></td>
</tr>
<tr>
<td>Silt</td>
<td>1240</td>
<td>1270</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
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</tr>
<tr>
<td>Silt</td>
<td>1350</td>
<td>1380</td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td>1380</td>
<td>1400</td>
<td></td>
</tr>
<tr>
<td>Silt</td>
<td>1400</td>
<td>1520</td>
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<td>1780</td>
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<td>Shale</td>
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<td>3430</td>
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</tr>
<tr>
<td>Sand</td>
<td>3430</td>
<td>3470</td>
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</tr>
<tr>
<td>Shale</td>
<td>3470</td>
<td>6356</td>
<td></td>
</tr>
<tr>
<td>Organic Shale</td>
<td>6356</td>
<td>6399</td>
<td></td>
</tr>
<tr>
<td>Tully Lime</td>
<td>6399</td>
<td>6431</td>
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<tr>
<td>Hamilton</td>
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<td>6512</td>
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<tr>
<td>Marcellus</td>
<td>6512</td>
<td>6561</td>
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<tr>
<td>Onondaga Lime</td>
<td>6561</td>
<td>6696</td>
<td></td>
</tr>
<tr>
<td>TD</td>
<td>6696</td>
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</tr>
</tbody>
</table>
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
   (a) Name: Caiman Eastern Midstream, LLC
      Address: 5940 Sherry Lane, Suite 1300
               Dallas, TX 75225
   (b) Name: Williams Ohio Valley Midstream, LLC
      Address: PO Box 645
               Tuco, OK 74474
   (c) Name: 
      Address: 

5) (a) Coal Operator
   Name: N/A
   Address: 

   (b) Coal Owner(s) with Declaration
      Name: Consolidation Coal Company (Pittsburgh Seam)
      Address: 1500 Central Energy Drive
               Canonsburg, PA 15317
      Name: Barbara Pold Franchi (All other seams)
      Address: 413 Filbert Drive
               Moundsville, WV 26041

   (c) Coal Lessee with Declaration
      Name: 
      Address: 

6) Inspector
   Name: Jim Nicholson
   Address: PO Box 44
            Moundsville, WV 26041
   Telephone: (304) 355-8874

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 site and the plugging work order, and
2. The plat (surveyor's map) showing the well location on Form WW-4.

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) no later than the day of mailing or delivery to the Chief.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Rodney Lee Frazier, Notary Public
Perry County
My Commission Expires Jan. 12, 2016

Well Operator: Chevron Appalachia, LLC
By: 
Its: Construction Permitting Team Lead
Address: 850 Main Street Drive
         Morgantown, WV 26508
Telephone: 304-219-3745

Subscribed and sworn before me this day of , 2014

My Commission Expires January 12, 2016

Received

Office of Oil and Gas
WV Dept. of Environmental Protection
04/04/2014

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of its regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the course of our business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffice@wv.gov.
<table>
<thead>
<tr>
<th>SENDER: COMPLETE THIS SECTION</th>
<th>COMPLETE THIS SECTION ON DELIVERY</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>A. Signature □ Agent □ Address</td>
</tr>
<tr>
<td>1. Article Addressed to:</td>
<td>B. Received by (Printed Name): C. Date of Delivery</td>
</tr>
<tr>
<td>Caiman Eastern Midstream LLC 5949 Sherry Lane, Suite 1300 Dallas, TX 75225</td>
<td>E. Jones 2/4/14</td>
</tr>
<tr>
<td>2. Article Number</td>
<td>D. Is delivery address different from item 1? □ Yes □ No</td>
</tr>
<tr>
<td>(Transfer from service label)</td>
<td>If YES, enter delivery address below:</td>
</tr>
<tr>
<td>7013 0600 0001 4225 5235</td>
<td></td>
</tr>
<tr>
<td>PS Form 3811, July 2013</td>
<td>Domestic Return Receipt</td>
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<table>
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<tr>
<th>SENDER: COMPLETE THIS SECTION</th>
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<tr>
<td>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.</td>
<td>A. Signature □ Agent □ Address</td>
</tr>
<tr>
<td>1. Article Addressed to:</td>
<td>B. Received by (Printed Name): C. Date of Delivery</td>
</tr>
<tr>
<td>Consolidation Coal Company 1000 Consol Energy Drive Canonsburg, PA 15317 Attention: Don Puglio</td>
<td>G. H. 2-3-14</td>
</tr>
<tr>
<td>2. Article Number</td>
<td>D. Is delivery address different from item 1? □ Yes □ No</td>
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<tr>
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<td>If YES, enter delivery address below:</td>
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<tr>
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</table>

RECEIVED
Office of Oil and Gas
FEB 2 0 2014
WV Department of Environmental Protection

04/04/2014
SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:

   Williams Ohio Valley Midstream LLC
   PO Box 645
   Tulsa, OK 74101

2. Article Number (Transfer from service label)  7013 2630 0002 1058 2855

PS Form 3811, July 2013  Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
   [Signature]

B. Received by (Printed Name)
   [Name]

C. Date of Delivery
   [Date]

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

3. Service Type
   - [ ] Certified Mail®
   - [ ] Priority Mail Express®
   - [ ] Registered
   - [ ] Return Receipt for Merchandise
   - [ ] Insured Mail
   - [ ] Collect on Delivery

4. Restricted Delivery? (Extra Fee)  No

04/04/2014
Tracking Number: 70130900000142255341

Product & Tracking Information

Postal Product:  Certified Mail™

<table>
<thead>
<tr>
<th>DATE-TIME</th>
<th>STATUS</th>
<th>LOCATION</th>
</tr>
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<tbody>
<tr>
<td>February 14, 2014, 10:47 am</td>
<td>Delivered</td>
<td>MOUNDSVILLE, WV 26641</td>
</tr>
<tr>
<td>February 14, 2014, 8:15 am</td>
<td>Out for Delivery</td>
<td>MOUNDSVILLE, WV 26041</td>
</tr>
<tr>
<td>February 14, 2014, 8:05 am</td>
<td>Sorting Complete</td>
<td>MOUNDSVILLE, WV 26041</td>
</tr>
<tr>
<td>February 14, 2014</td>
<td>Depart USPS Sort Facility</td>
<td>PITTSBURGH, PA 15230</td>
</tr>
<tr>
<td>February 14, 2014, 8:52 am</td>
<td>Arrival at Unit</td>
<td>MOUNDSVILLE, WV 26041</td>
</tr>
<tr>
<td>February 14, 2014, 12:19 am</td>
<td>Processed through USPS Sort Facility</td>
<td>PITTSBURGH, PA 15230</td>
</tr>
<tr>
<td>February 13, 2014, 9:29 pm</td>
<td>Processed through USPS Sort Facility</td>
<td>PITTSBURGH, PA 15230</td>
</tr>
</tbody>
</table>

Available Actions

Email Updates

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

OFFICIAL USE

LEGAL
Privacy Policy >
Terms of Use >
FOIA >
No FEAR Act >
EEO Dis

See Reverse for Instructions

PS Form 3600, August 2006

OTHER USPS SITES
Business Customer Gateway >
Postal Inspectors >
 Inspector General >
Postal Explorer >

RECEIVED
Office of Oil and Gas
FEB 20 2014

WV Department of Environmental Protection
04/04/2014
SURFACE OWNER WAIVER

Operator's Well Number

Francis 1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

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

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

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

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

_______________________________ Date ____________________
Signature

_______________________________ Name ____________________
By

_______________________________ Date ____________________
Signature

_______________________________ Date ____________________
By Its
INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE

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

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

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

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: ______________________

By: ______________________

Its ______________________

RECEIVED
Office of Oil and Gas
FEB 20 2014
WV Department of Environmental Protection

04/04/2014
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

Operator Name: Chevron Appalachia, LLC
OP Code: 49449935

Watershed: Bartletts Run
Quadrangle: Glen Easton 7.5" 370

Elevation: 1265
County: Marshall
District: Clay

Description of anticipated Pit Waste: Fluids and Solids produced by plugging activities

Will a synthetic liner be used in the pit? No

Proposed Disposal Method For Treated Pit Wastes:
- Land Application
- Underground Injection (UIC Permit Number )
- Reuse (at API Number )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain ) Removed offsite to AAP Facility in Maysontown, PA # PA 0253723

Proposed Work For Which Pit Will Be Used:
- Drilling
- Workover
- X Plugging
- Other (Explain )

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 Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature: [Signature]

Company Official (Typed Name): BRANDON PEINKE

Company Official Title: CONSTRUCTION PERMITTING TEAM LEAD

Subscribed and sworn before me this 30th day of January, 2014.

Rodney Lee Frazez

My commission expires January 12, 2016.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Rodney Lee Frazez, Notary Public
Henry Clay Twp., Fayette County
My Commission Expires Jan 12, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES
Form WW-9

Operator's Well No. Francis

LEGEND

<table>
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<th>Symbol</th>
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<td>-</td>
<td>Property Boundary</td>
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<td>Road</td>
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<td>-</td>
<td>Existing Fence</td>
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<td>-</td>
<td>Planned Fence</td>
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<td>Stream</td>
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<td>Open Dutch</td>
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<td>Rock</td>
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<td>North</td>
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<td>Drain Pipe with size in inches</td>
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<td>Waterway</td>
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<td>Cross Drain</td>
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<td>-</td>
<td>Artificial Filter Strip</td>
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<td>Pit out walls</td>
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<td>-</td>
<td>Pit compacted fill walls</td>
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<tr>
<td>-</td>
<td>Area for Land Application of Pit Waste</td>
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</table>

Proposed Revegetation Treatment:

- Acres Disturbed: 2.9
- Prevegetation pH: 6.5
- Lime: 2 tons/acre or to correct to pH 6.5
- Fertilizer (10-20-20 or equivalent): 500 lbs/acre (500 lbs minimum)
- Mulch: Hay or Straw @ 2 tons/acre

Seed Mixtures

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Area I</th>
<th>lbs/acre</th>
<th>Seed Type</th>
<th>Area II</th>
<th>lbs/acre</th>
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<td>Annual Rye</td>
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<td>Yellow Clover</td>
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<td>Birdsfoot Trefoil</td>
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<td>Rescue</td>
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Attach:

- Drawing(s) of road, location, pit and proposed area for land application.
- Photocopied section of involved 7.5' topographic sheet - Attached

Plan Approved by: [Signature]

Comments:

Title: Oil & Gas Inspector

Field Reviewed? ( ) Yes ( ) No

Date: 2/7/14

Office of Oil and Gas
WV Department of Environmental Protection

04/04/2014
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-5101190        WELL NO.: 1
FARM NAME: Francis
RESponsible PARTY NAME: Chevron Appalachia, LLC
COUNTY: Marshall        DISTRICT: Clay
QUADRANGLE: Glen Easton 7.5"
SURFACE OWNER: Caiman Eastern Midstream LLC/Williams Ohio Valley Midstream, LLC
ROYALTY OWNER: Barbara Pearl Francis
UTM GPS NORThING: 4413757.94
UTM GPS EASTING: 526318.06     GPS ELEVATION: 1265

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:

2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
   Survey grade GPS ____ : Post Processed Differential _____
   Real-Time Differential _____
   Mapping Grade GPS ____ : Post Processed Differential _____
   Real-Time Differential _____
4. Letter size copy of the topography map showing the well location.

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

Signature ____________________________  Title ____________________________  Date FEB 20 2014

WV Department of Environmental Protection
February 18, 2014

West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th Street SE
Charleston, WV 25304-2345

RE: Francis #1H Application to Plug and Abandon a Well

Dear Mr. Smith:
Enclosed is an Application for a Permit to Plug & Abandon the Francis #1H well (API #47-051-01190) in Marshall County.

If you have any questions, please contact me at (724) 564-3781 or kristenbrooks@chevron.com.

Sincerely,

Kristen Brooks
Permit Coordinator
Chevron Appalachia, LLC