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**west virginia** department of environmental protection

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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

December 10, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10901463, issued to HARPER, HAYDEN ENERGY KA, 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: PLC 30  
Farm Name: POCAHONTAS LAND CORP.  
**API Well Number: 47-10901463**  
**Permit Type: Plugging**  
Date Issued: 12/10/2014

**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

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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.

1) Date AUGUST 22, 2014  
2) Operator's  
Well No. PLC 30  
3) API Well No. 47-109 - 01463

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 X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 2037' Watershed BEE BRANCH  
District CENTER County WYOMING Quadrangle PINEVILLE 7.5

6) Well Operator HAYDEN HARPER ENERGY KA, LLC 7) Designated Agent BRETT MCDONOUGH  
Address 1001 MOOREHEAD SQ. DR. STE 350 Address 1001 MOOREHEAD SQ. DR. STE 350  
CHARLOTTE, NC 28203 CHARLOTTE, NC 28203

8) Oil and Gas Inspector to be notified  
Gary Kennedy  
PO Box 268  
Nimitz, WV 25978

9) Plugging Contractor  
Name PATCHWORK OIL & GAS, LLC  
Address 8165 ELIZABETH PIKE  
ELIZABETH, WV 26143

10) Work Order: The work order for the manner of plugging this well is as follows:

Plugging schematic and procedure on next page.

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 10/31/14

**PLC #30**  
47-109-01463

**PROPOSED PLUGGING PROCEDURE**

1. Prepare plugging permit application.
2. Certify to surface and coal owners.
3. Certify to designated State inspector for signature.
4. Once all signatures are obtained, copy for our records and certify to Jeff at the State Office for approval.
5. Receive plugging permit good for 2 years.
6. Notify the designated State inspector 24 hours prior to commencing operations.
7. Take equipment to location and begin prepping for plug.
8. Rig up
9. Verify total depth of 2830'
10. Run tubing to bottom of 4 1/2 at 2809'. Set first plug with 41 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 2809' up to 2238'. (Bottom, Pay zone)
11. Pull tubing back, wait 8 hours
12. Run in and tag plug.
13. Run 1 sack of 6% Bentonite gel from 2238' up to 2087'.
14. Based on cement fill up 4 1/2 free point should be at 1950', rip and remove 1950' of 4 1/2. Run back in to 2087' for second plug, run 22 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 2087' up to 1885' (This covers pay zone, elevation, and rip)
15. Pull tubing back, wait 8 hours
16. Run in and tag plug.
17. Run 5 sacks of 6% Bentonite gel from 1885' up to 1315'.
18. Pull tubing back to 1315". Set third plug with 18 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 1315' up to 1215'. (Coal seam)

*JKK*

19. Pull tubing back, wait 8 hours

20. Run in and tag plug

★ 7" APPEARS TO BE CTS. IF SO, DO NOT RIP 7". ★ GMM

21. Based on records will attempt to rip 7" above 1215', set 100' plug as necessary with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives.

22. Run 2 sacks of 6% Bentonite gel from 1215' up to 1014'.

20. Pull tubing back to 1014' to set 4th plug and run 42 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 1014' up to 780'. (Coal seam)

21. Pull tubing back, wait 8 hours.

22. Run in and tag plug.

23. Run 2 sacks of 6% Bentonite gel from 780' up to 590'.

24. Pull tubing back to 590' to set 5th plug and run 37 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 590' up to 480'. (Coal seam)

25. Pull tubing back, wait 8 hours.

26. Run in and tag plug.

27. Run 3 sacks of 6% Bentonite gel from 480' up to 300'

28. Pull tubing back to 300' to set 6th plug and run 118 sacks of Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 300' up to surface. (Coal seam, water, surface)

25. Solidify pit if necessary with more cement and lime, then bury.

26. Set 6" x 12.5" steel pipe with concrete with 1/2" API identification.

27. Rig down, and move equipment out.

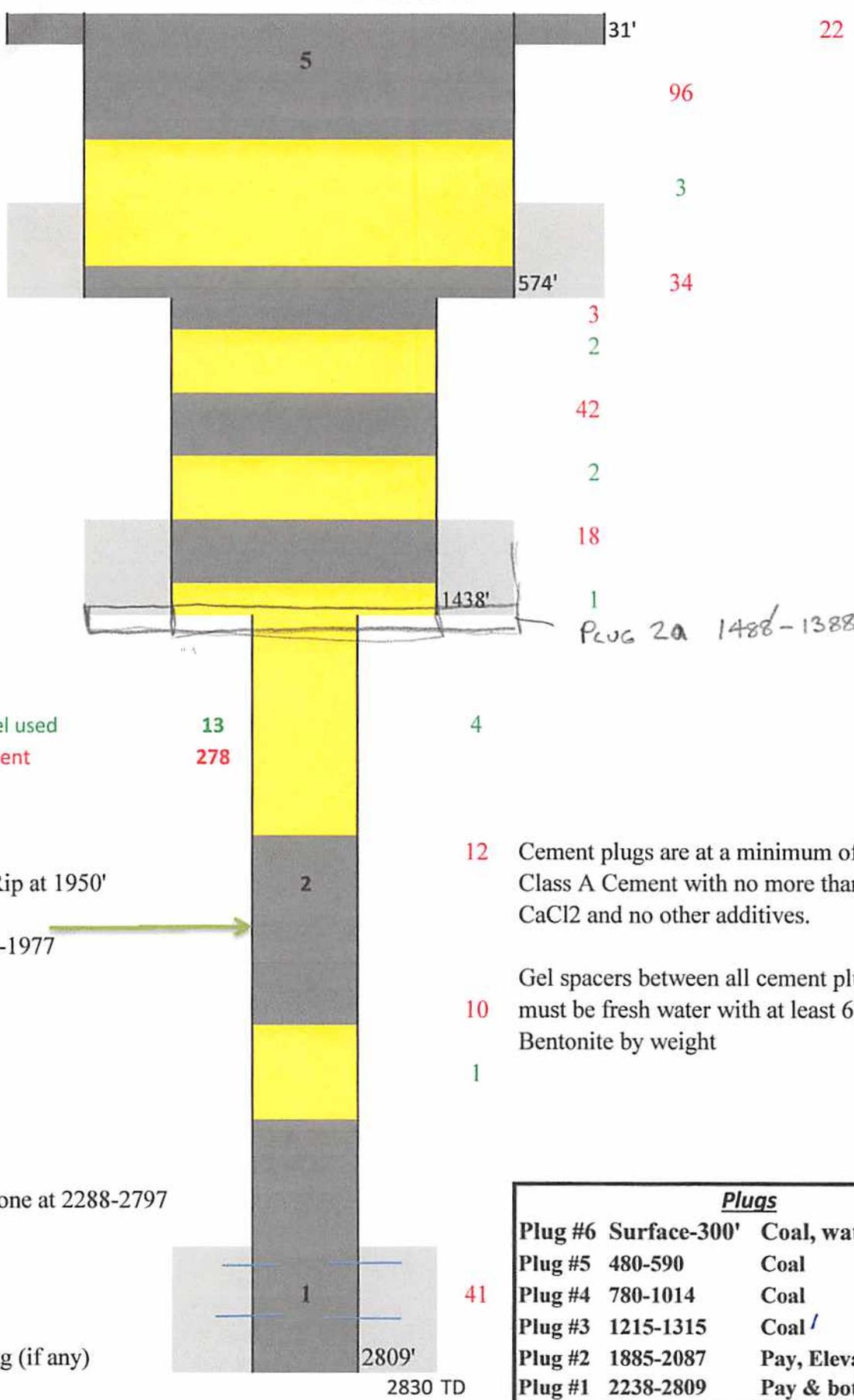
28. Reclaim location

29. Prepare WR-34 & WR-38 for permit release.

*[Handwritten signature]*

10901463P

PLC #30  
47-109-01463



50lb sacks of 6% gel used  
100lb sacks of cement

Attempt Casing Rip at 1950'  
Elevation 2037"

Pay Zone at 1935-1977

Grey : Cement  
Yellow : Gel  
Red : Bridge Plug (if any)

Plugs		
Plug #6	Surface-300'	Coal, water, surface
Plug #5	480-590	Coal
Plug #4	780-1014	Coal
Plug #3	1215-1315	Coal
Plug #2	1885-2087	Pay, Elevation, rip ✓
Plug #1	2238-2809	Pay & bottom hole ✓

PLUG 2a 1488' - 1388'

*[Handwritten signature]*

*[Handwritten initials]*

10901463P

WR-35

**RECEIVED**  
WV Division of  
Environmental Protection

NOV 23 1994

16-Aug-94  
API # 47-109-01463

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

Well Operator's Report of Well Work

Permitting  
Farm Office of Oil & Gas SAHONTAS LAND CORP. Operator Well No.: PLC #30

LOCATION: Elevation: 2,037.00 Quadrangle: PINEVILLE

District: CENTER County: WYOMING  
Latitude: 4120 Feet South of 37 Deg. 32Min. 30 Sec.  
Longitude 5770 Feet West of 81 Deg. 35 Min. 0 Sec.

Company: BOWIE, INC.  
P.O. BOX 1430  
CLARKSBURG, WV 26301-1430

Agent: GROVER BOWIE

Inspector: OFIE HELMICK  
Permit Issued: 08/10/94  
Well work Commenced: 9-3-94  
Well work Completed: 9-12-94  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 2830DTD  
Fresh water depths (ft) \_\_\_\_\_  
70.1289  
Salt water depths (ft) \_\_\_\_\_  
N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	31'	--	--
9 5/8	574'	574'	220skts
7"	1438'	1438'	320skts
4 1/2"	2809'	2809'	120skts

Is coal being mined in area (Y/N)? Y  
Coal Depths (ft): 122-25, 270-73, 530-40, 830-33, 960-64, 1265-69

OPEN FLOW DATA

Producing formation L. Maxton, Maxton Pay zone depth (ft) 2642-2797  
 Gas: Initial open flow show MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 103 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 12 Hours  
 Static rock Pressure 250 psig (surface pressure) after 24 Hours

Second producing formation u. Maxton, Ravenel Pay zone depth (ft) 1935-2298  
 Gas: Initial open flow show MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow commingled MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 12 Hours  
 Static rock Pressure commingled psig (surface pressure) after 24 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.

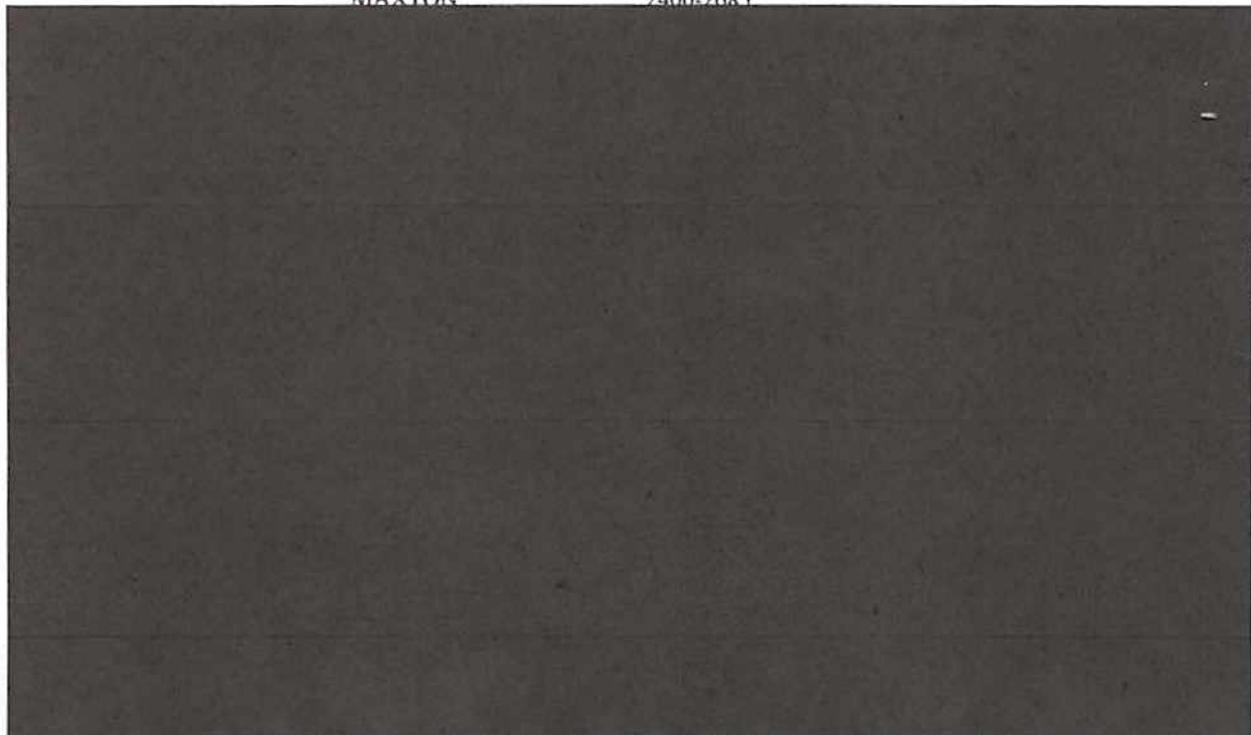
For: BOWIE, INC.

By: W. P. Bowin  
Date: 11-17-94

NYO  
1463

- I (2671-2797) 24 holes, 750gal 15%HCL, 400sks sand, 600bbl 75Q foam  
 II (2288-2542) 22 holes, 750gal 15%HCL, 300sks sand, 560bbl 75Q foam  
 III (1935-1977) 30 holes, 500gal 15%HCL, 270sks sand, 540bbl 75Q foam

SAND	0-122	1/2" (at) 70'
COAL	122-125	•
SAND & SHALE	125-270	
COAL	270-273	•
SAND & SHALE	273-530	
COAL (OPEN)	530-540	•
SAND	540-830	
COAL	830-833	•
SAND	833-960	
COAL	960-964	•
SAND & SHALE	964-1265	
COAL	1265-1269	•
SAND & SHALE	1269-1500	DAMP (at) 1289'
SAND	1500-1615	
SAND & SHALE	1615-1895	
RAVENCLIFF	1895-1965	
AVIS	1965-2032	
SHALE & SAND	2032-2270	
U. MAXTON	2270-2300	GAS SHOW
SAND & SHALE	2300-2400	
MAXTON	2400-2685	



WW-4A  
Revised 6-07

1) Date: AUGUST 22, 2014  
2) Operator's Well Number  
PLC 30

3) API Well No.: 47 - 109 - 01463

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

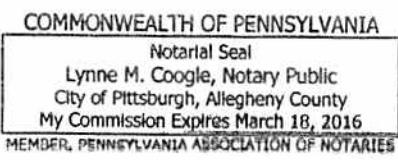
<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>PINNACLE LAND COMPANY</u>	Name <u>PINNACLE LAND COMPANY</u>
Address <u>PO BOX 446</u>	Address <u>PO BOX 446</u>
<u>MAN, WV 25635</u>	<u>MAN, WV 25635</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NRP, WPP LLC</u>
	Address <u>5260 IRWIN RD.</u>
	<u>HUNTINGTON, WV 25705</u>
(c) Name _____	Name _____
Address _____	Address _____
<b>6) Inspector</b> <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 268</u>	Name <u>PINNACLE LAND COMPANY &amp; MECHEL BLUESTONE</u>
<u>Nimitz, WV 25978</u>	Address <u>PO BOX 446</u> <u>PO BOX 1085</u>
Telephone <u>304-382-8402</u>	<u>MAN, WV 25635</u> <u>BECKLEY, WV 25802</u>

**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 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) on or before the day of mailing or delivery to the Chief.



Well Operator HAYDEN HARPER ENERGY KA, LLC  
 By: ERIC P LINN  
 Its: VICE PRESIDENT  
 Address 1001 MOREHEAD SQ DRIVE, SUITE 350  
CHARLOTTE, NC 28203  
 Telephone 704-343-2447

Subscribed and sworn before me this 5th day of September 2014  
Lynne M Coogle Notary Public  
 My Commission Expires March 18, 2016

**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 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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

109014639

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent	
	B. Received by (Printed Name) Schell Campbell	C. Date of Delivery 9/12/14
1. Article Addressed to: Mechel Bluestone PO Box 1085 Beckley, WV 25802	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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.		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from service label) <b>7014 0510 0001 8220 1527</b>		
PS Form 3811, February 2004	Domestic Return Receipt	102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent	
	B. Received by (Printed Name) East Haller	C. Date of Delivery 9/22/14
1. Article Addressed to: Pinnacle Land PO Box 446 Man, WV 25635	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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.		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from service label) <b>7014 0510 0001 8220 1503</b>		
PS Form 3811, February 2004	Domestic Return Receipt	102595-02-M-1540

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent	
	B. Received by (Printed Name) Amanda Beggs	C. Date of Delivery 9-22-14
1. Article Addressed to: NPP, WPP, LLC 5260 Irwin Rd. Huntington, WV 25705	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
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.		
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Transfer from service label) <b>7014 0510 0001 8220 1510</b>		
PS Form 3811, February 2004	Domestic Return Receipt	102595-02-M-1540

10901463P

WW-9  
Rev. 5/08

Page 1 of 1  
API Number 47 - 109 - 01463  
Operator's Well No. PLC 30

CK 7180  
10000

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 HAYDEN HARPER ENERGY KA, LLC OP Code 494495359

Watershed BEE BRANCH Quadrangle PINEVILLE 7.5

Elevation 2037' County WYOMING District CENTER

Description of anticipated Pit Waste: FLUIDS AND OTHER MATERIALS ASSOCIATED WITH PLUGGING

Will a synthetic liner be used in the pit? YES ZOMIC

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 \_\_\_\_\_)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain \_\_\_\_\_)
- Swabbing
- Plugging

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) ERIC P LINN

Company Official Title VICE PRESIDENT

RECEIVED  
Office of Oil and Gas  
NOV 06 2014  
WV Department of Environmental Protection

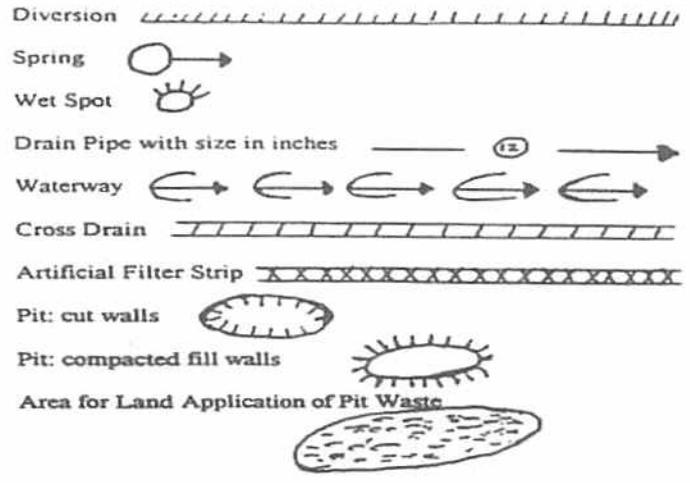
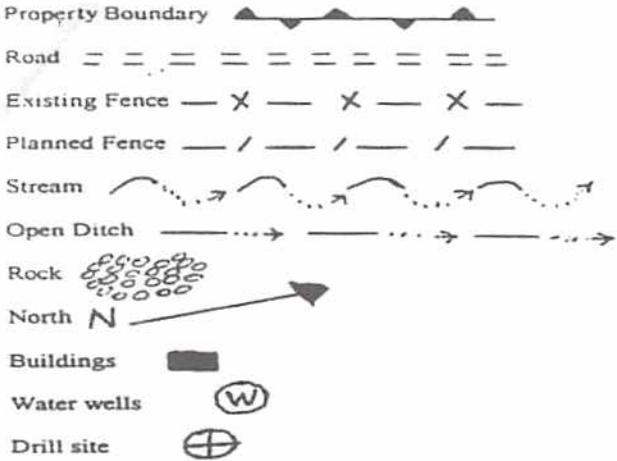
Subscribed and sworn before me this 5th day of September, 2014

[Signature] Notary Public

My commission expires MARCH 18, 2016

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Lynne M. Coogle, Notary Public  
City of Pittsburgh, Allegheny County  
My Commission Expires March 18, 2016  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 3.2 Prevegetation pH 6.67

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch STRAW Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
TALL FESCUE	40	"	
LADINO CLOVER	5	"	

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Henry Kennedy*

Comments: \_\_\_\_\_

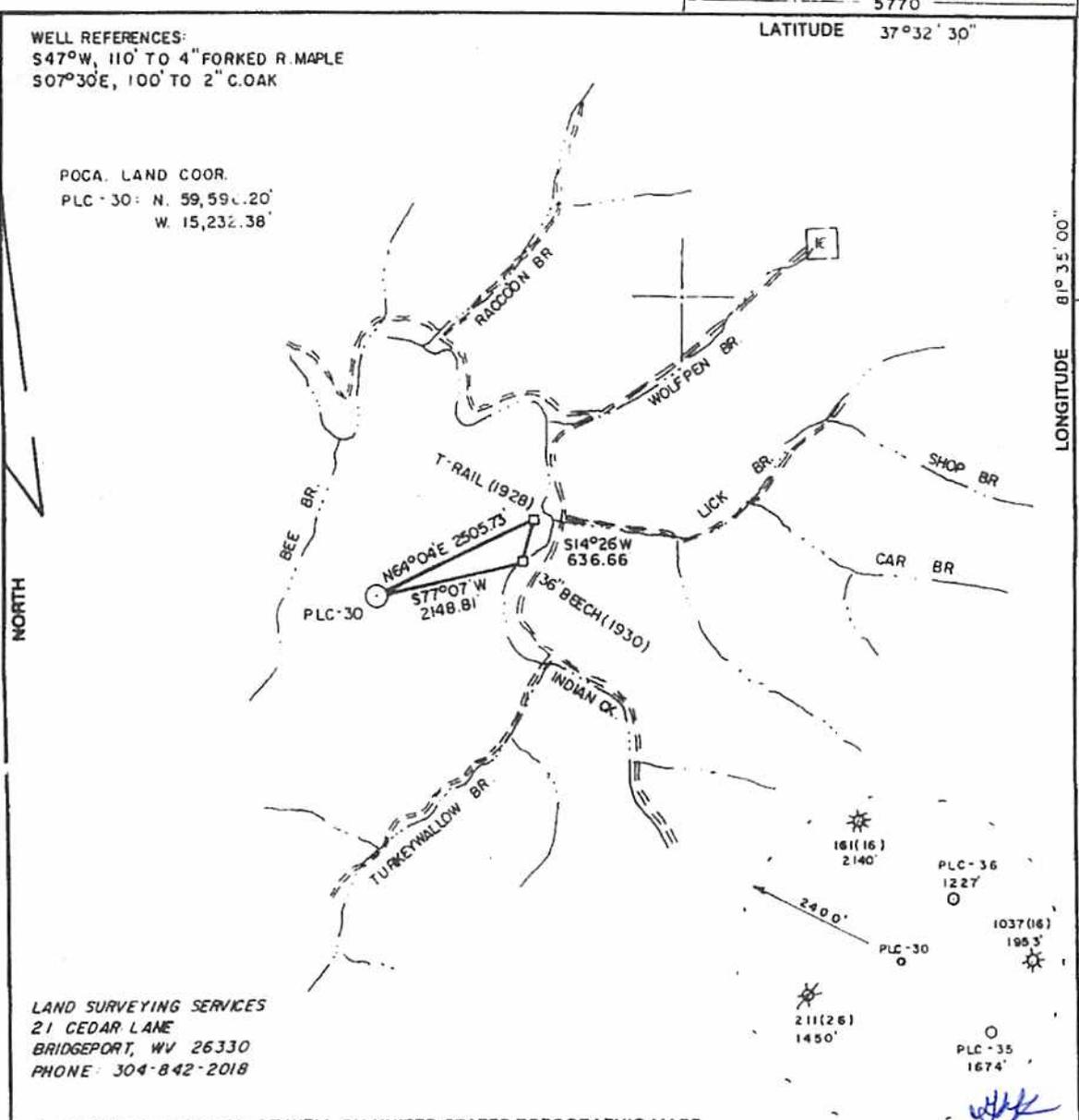
Title: *Inspector* Date: *10/31/14*

Field Reviewed? ( ) Yes ( ) No





10901463P



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500  
 PROVEN SOURCE OF ELEVATION BM 2900 S.E. OF LOCATION ELEV. - 1281'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.  
 (SIGNED) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

DATE MAY 31, 1994  
 OPERATOR'S WELL NO. PLC-30  
 API WELL NO. 47-109-1463  
 STATE 47 COUNTY 109 PERMIT 1463

WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL     
 (IF "GAS,") PRODUCTION X STORAGE    DEEP    SHALLOW X  
 LOCATION: ELEVATION 2037' WATER SHED    BEE BRANCH  
 DISTRICT CENTER COUNTY WYOMING  
 QUADRANGLE PINEVILLE 7.5 min.

SURFACE OWNER POCAHONTAS LAND CORP. ACREAGE 24980.40  
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORP. LEASE ACREAGE 10050.85  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR  
 STIMULATE    PLUG OFF OLD FORMATION    PERFORATE NEW  
 FORMATION    OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON    CLEAN OUT AND REPLUG   

TARGET FORMATION MAXTON ESTIMATED DEPTH 3150'  
 WELL OPERATOR BOWIE, INC. DESIGNATED AGENT WILLIAM BOWIE  
 ADDRESS P.O. BOX 1430 ADDRESS P.O. BOX 1430  
CLARKSBURG, WV 26302-1430 CLARKSBURG, WV 26302-1430

COUNTY NAME WV  
 PERMIT 1463