



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

August 26, 2014

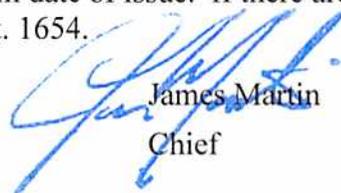
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10900998, issued to PINNACLE MINING COMPANY, 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: S-623
Farm Name: MGM UNIT
API Well Number: 47-10900998
Permit Type: Plugging
Date Issued: 08/26/2014

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.

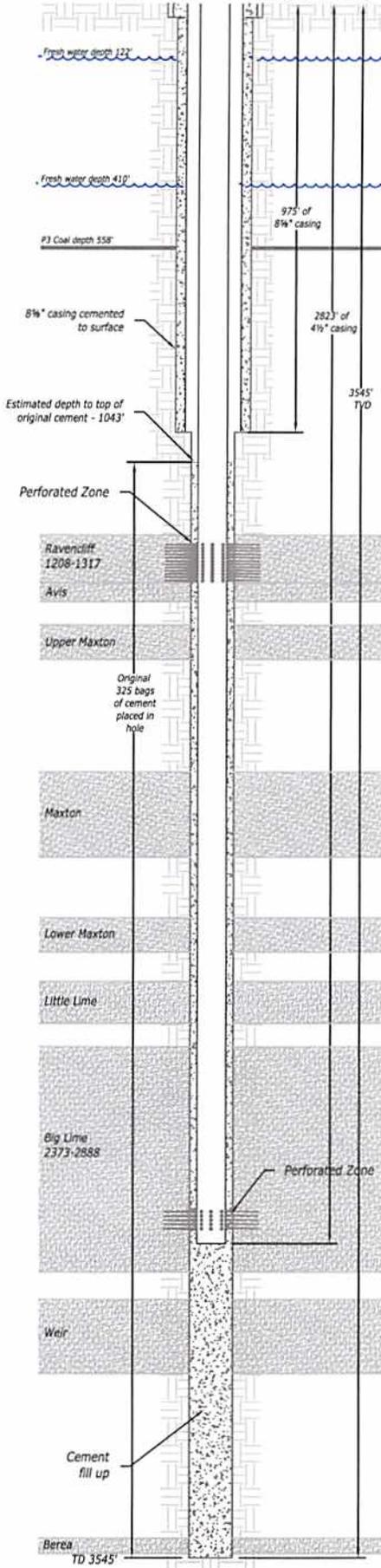
CONDITIONS

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.

109 00998P

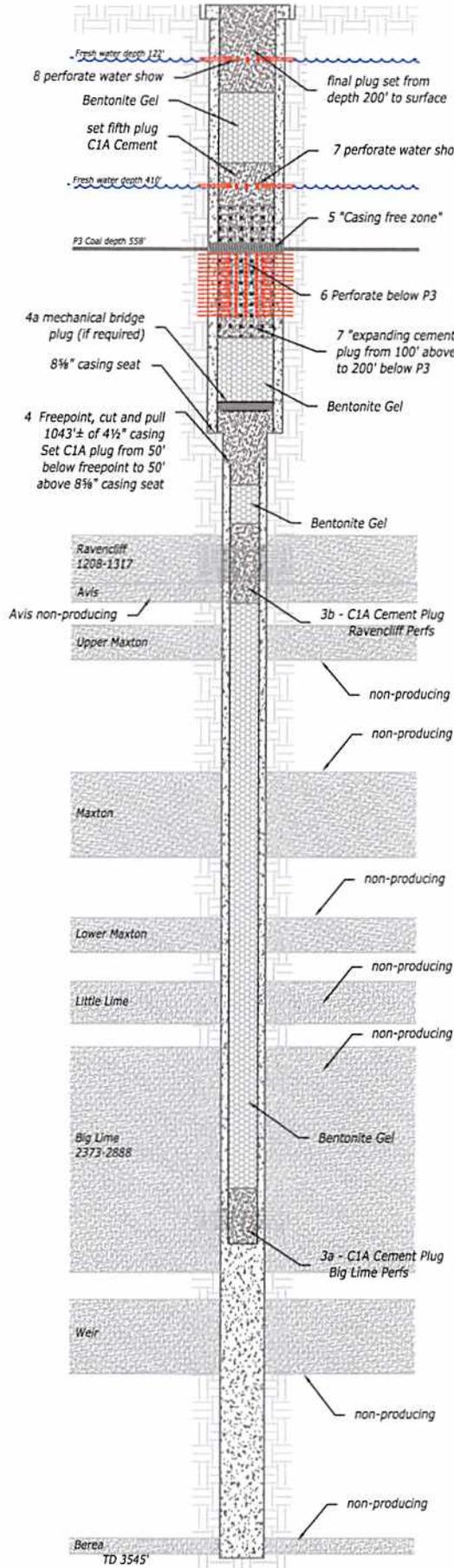
Existing Status API 47-109-00998

S-623 Best Available Data Note: No coal seams reported in original drillers' log



Existing Status API 47-109-00998

S-623 Plugging Plan



Plugging Procedure:

- 1 Attempt to clean out the well bore to the original plugged depth of 2823 feet (bottom of cemented 4 1/2" casing).
- 2 Run an E-Log (caliper, deviation, density and gamma) to determine the depth of the lowest mineable seam of coal (anticipated to be P3).
- 3 Set cement plugs. Circulate gel through open ended tubing to about 20 feet above the cleaned out area of the well bore.
 - 3a - place the first cement plug from bottom of hole to depth 2696. Tag the initial plug, pump additional cement as needed to insure the plug is set to the correct depth. This will form a plug of 127 feet closing the Big Lime perforations. Circulate gel to depth 1362.
 - 3b - place the second cement plug from depth 1362 to 1181 feet. As before, tag the plug to determine if cement was taken up in the perforations of the producing zone. Pump additional cement as needed to produce a 181 foot thick plug at the correct depth to close the Ravenciff perforations.
- 4 Freepoint the 4 1/2" casing. Sever the 4 1/2" casing at the free point, expected to be at the top of the original cement estimated to be at depth 1043'. Circulate gel to depth 1093' or 50' below the severed casing. Set the third cement plug from 50' below the severed 4 1/2" casing to depth 925', a thickness of 168'±. This seals the severed 4 1/2" casing along with the casing seat for the 8 1/2" casing.
 - 4a - If the well bore still produces gas, a mechanical bridge plug shall be placed in the well bore in a competent stratum at least 200' below the lowest mineable seam of coal but above the uppermost hydrocarbon producing zone. A depth of 920' is suggested.
- 5 Circulate gel to depth 758'. Cut and remove a section of 8 1/2" casing by milling out a segment from depth 563' to 543' to produce a 20' casing free zone from 5 feet below the P3 seam to 10 feet above. This will facilitate the active mining of the P3 at depth 558.21'.
- 6 Perforate the 8 1/2" casing at 10 foot intervals beginning at depth 708' through depth 568'.
- 7 Set the fourth plug by pumping "expanding cement slurry" down the tubing to displace the gel and fill the well bore from depth 758 feet to depth 458' (from 200 feet below the P3 seam to 100 feet above).
- 8 Perforate the 8 1/2" casing at the water show at depth 410 feet. Tag the top of the fourth plug and continue cementing the well bore to depth 360' with CIA cement. This will close the water show at 410'.
- 9 Circulate gel to depth 200'. Perforate the 8 1/2" casing at depth 122'. Place the final plug from depth 200 feet to the surface.
- 10 Erect monument with API 47-109-00998 affixed to monument.

Notes:
Contact the local Oil & Gas Inspector, Mr. Ross Eller, at least 24 hours before beginning operations - (304) 932-6844.

Expanding Cement shall be Nabors Production and Well Completions "Thixotropic" or equivalent.

OK
J. W. M.

RECEIVED
Office of Oil and Gas

JUL 28 2014

WV Department of
Environmental Protection

not to scale



IV-35
(Rev 8-81)

Date September 12, 1986
Operator's
Well No. S-623
Farm MGM Unit
API No. 47 - 109 - 0998

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 1314 Watershed Indian Creek
District: Center County Wyoming Quadrangle Pineville

COMPANY Scott Oil Company
ADDRESS P. O. Box 112, Salem, WV 26426
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV 26426
SURFACE OWNER Thomas Graybeal
ADDRESS Wolf Pen, WV
MINERAL RIGHTS OWNER Thomas Graybeal
ADDRESS Wolf Pen, WV
OIL AND GAS INSPECTOR FOR THIS WORK Arthur
St. Clair ADDRESS Brenton, WV
PERMIT ISSUED July 18, 1986
DRILLING COMMENCED 8/5/86
DRILLING COMPLETED 8/12/86
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"	30'		
9 5/8			
8 5/8		975	to surface
7			
5 1/2			
4 1/2		2823	325 sks
3			
2			
Liners used			

CLASSIFIED UP TO 1300

GEOLOGICAL TARGET FORMATION Big Lime, Ravencliff Depth _____ feet
Depth of completed well 3545 feet Rotary _____ / Cable Tools _____
Water strata depth: Fresh 122,410 feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Big Lime, Ravencliff Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 800 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 340 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

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8 2014
WV Department of
Environmental Protection

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Big Lime	2746-2793	Sand 80/100	100 sks
		20/40	400 sks
Ravencloff	1268-1312	Sand 80/100	50 sks
		20/40	240 sks
Ravencloff	1231-1261		

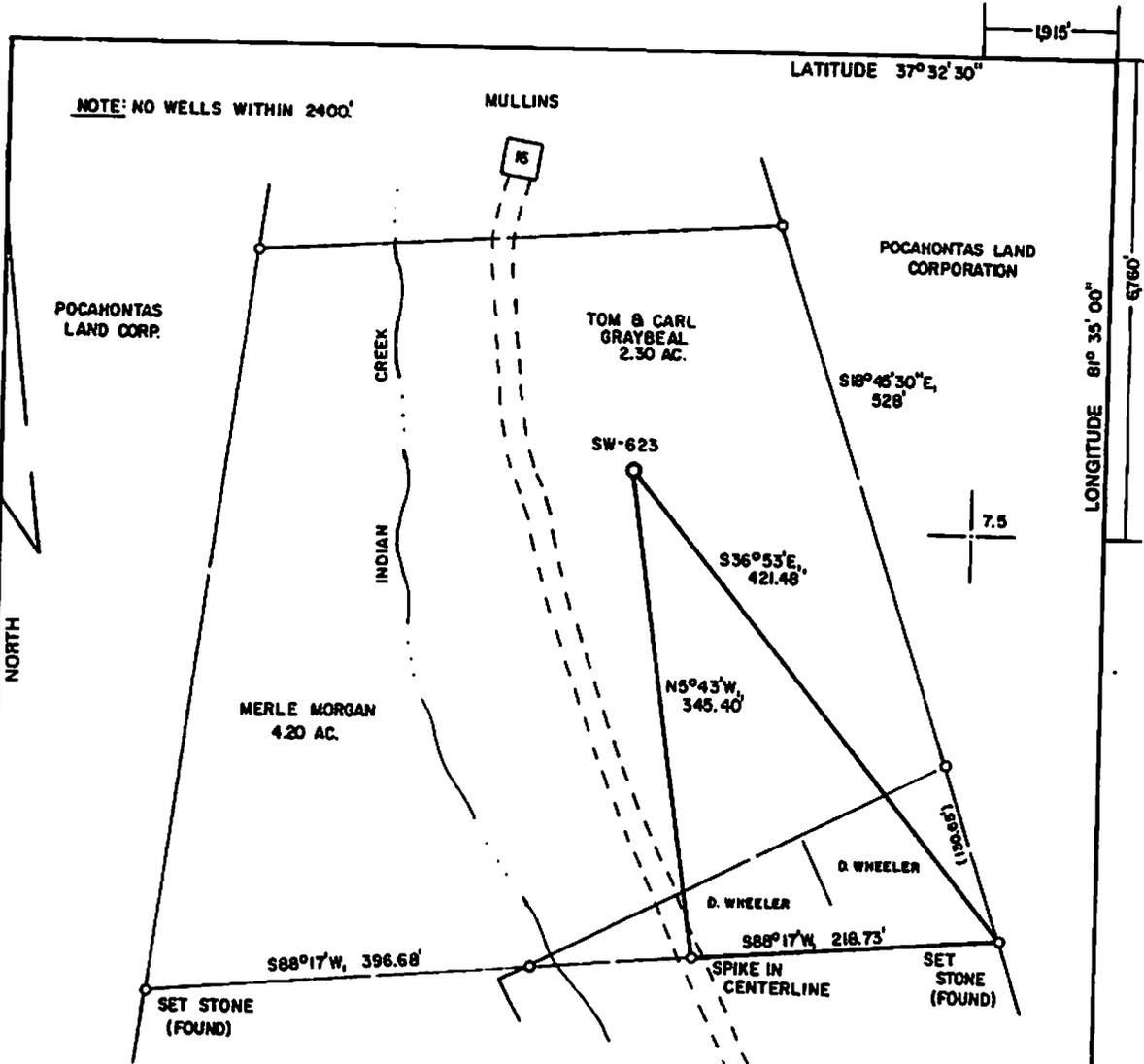
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fr and salt water, coal, oil and
Red Rock			0	20	
Rock			20	140	
Red Rock			140	220	
Rock			220	295	
Sand & Shale			295	1400	
Lime			1400	1460	
Red Rock			1460	1738	
Sand			1738	1935	
Shale			1935	1977	
Sand			1977	1984	
Shale			1984	2016	
Little Lime			2016	2062	
Sand			2062	2074	
Big Lime			2074	2105	
Shale			2105	2215	
Sand			2215	2310	
Shale			2310	3545TD	
Gamma Ray Log					
Ravencloff			1208	1317	
Avis			1317	1360	
U. Maxton			1414	1492	
Maxton			1747	1941	
L. Maxton			2080	2158	
L. Lime			2225	2320	
B. Lime			2373	2888	
Weir			2951	3120	
Berea			3500	3535	

(Attach separate sheets as necessary) RECEIVED
Office of Oil and Gas

Scott Oil Company
Well Operator
By: Dan Q. Wright JUL 28 2014
Date: 9/12/86 W.D. Department of
Environmental Protection

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic
detailed geological record of all formations, including
any, encountered in the drilling of a well."



NOTE: NO WELLS WITHIN 2400'

MULLINS

POCAHONTAS LAND CORP.

POCAHONTAS LAND CORP.

TOM & CARL GRAYBEAL 2.30 AC.

SW-623

336°53'E, 421.48'

N5°43'W, 345.40'

D. WHEELER

D. WHEELER

988°17'W, 218.73'

SET STONE (FOUND)

SET STONE (FOUND)

JACKSON

WELL REFERENCES:
 390°E, 83.5' TO ELEC. POLE
 817°E, 111' TO 6" X 8" GATE POST

LAND SURVEYING SERVICES
 1412 NORTH 18TH ST.
 CLARKSBURG, WY 26301
 PHONE: 304-622-8114

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION B.M. 1260 SE. OF LOC.
AT ELEVATION 1325'

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.I.S. NO. 674
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE JUNE 26 19 86
 OPERATOR'S WELL NO. SW-623
 API WELL NO. MGM #1

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1314' WATERSHED INDIAN CREEK
 DISTRICT CENTER COUNTY WYOMING
 QUADRANGLE PINEVILLE

SURFACE OWNER TOM & CARL GRAYBEAL ACREAGE 2.3
 OIL & GAS ROYALTY OWNER TOM & CARL GRAYBEAL LEASE ACREAGE 6.5
 LEASE NO. W-1943

PROPOSED WORK: DRILL 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 GORDON SAND ESTIMATED DEPTH 3800'
 WELL OPERATOR SCOTT OIL COMPANY DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WY 26426 SALEM, WY 26426

RECEIVED
 Office of Oil and Gas
 JUL 28 1986
 WV Department of Environmental Protection
 PERMIT

10900998A

WW-4A
Revised 6-07

1) Date: March 25, 2014
2) Operator's Well Number S-623
3) API Well No.: 47 - 109 - 00998

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:	5) (a) Coal Operator
(a) Name <u>GRAYBEAL CARL N & ROSA & THOMAS L & LINDA</u>	Name <u>Pinnacle Mining Company, LLC</u>
Address <u>C/O THOMAS GRAYBEAL</u>	Address <u>P.O. Box 446</u> ✓
<u>P.O. Box 900</u> ✓	<u>Man, WV 25635</u>
(b) Name <u>Pineville, WV 24874</u>	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Cliffs Natural Resources, Inc.</u>
_____	Address <u>P.O. Box 446</u> ✓
(c) Name _____	<u>Man, WV 25635</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Ross Eller</u>	(c) Coal Lessee with Declaration
Address <u>121 Briehill Drive</u>	Name <u>Pinnacle Mining Company, LLC</u>
<u>Beckley, WV 25801</u>	Address <u>Man, WV 25635</u> ✓
Telephone <u>(304) 932-6844</u>	<u>Man, WV 25635</u>

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

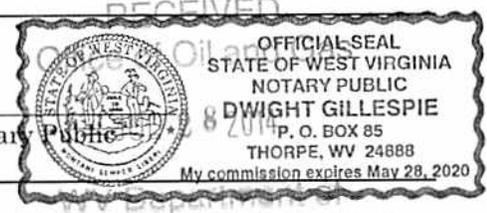
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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 Pinnacle Mining Company, LLC
 By: *Jon Foster*
 Its: General Manager
 Address P.O. Box 338
Pineville, WV 24874
 Telephone 304-256-5226

Subscribed and sworn before me this 10th day of July, 2014
Dwight Gillespie Notary Public
 My Commission Expires May 28, 2020



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.

Environmental Protection

109 00 998 P

CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$ 1.40
 Certified Fee 3.30
 Return Receipt Fee (Endorsement Required) 2.70
 Restricted Delivery Fee (Endorsement Required) 7.40
 Total Postage & Fees 14.80

Postmark Here
MAY 05 2014

USPS 24888

Sent To
 Carl, Rosa & Thomas & Linda Graybeal
 c/o Thomas Graybeal
 P. O. Box 900
 Pineville, WV 24874

PS Form 3800

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:
 Carl, Rosa & Thomas & Linda Graybeal
 c/o Thomas Graybeal
 P. O. Box 900
 Pineville, WV 24874

2. Article Number (Transfer from service label) 7005 1160 0004 6760 4423

PS Form 3811, July 2013 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X Thomas Graybeal Agent Addressee

B. Received by (Printed Name) _____ C. Date of Delivery 5/9/14

D. Is delivery address different from item 1? Yes 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) Yes

CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$ 1.40
 Certified Fee 3.30
 Return Receipt Fee (Endorsement Required) 2.70
 Restricted Delivery Fee (Endorsement Required) 7.40
 Total Postage & Fees 14.80

Postmark Here
MAY 05 2014

USPS 24888

Sent To
 Cliffs Natural Resources
 P. O. Box 446
 Man, WV 25635

PS Form 3800

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:
 Cliffs Natural Resources
 P. O. Box 446
 Man, WV 25635

2. Article Number (Transfer from service label) 7005 1160 0004 6760 4409

PS Form 3811, July 2013 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [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® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$ 1.40
 Certified Fee 3.30
 Return Receipt Fee (Endorsement Required) 2.70
 Restricted Delivery Fee (Endorsement Required) 7.40
 Total Postage & Fees 14.80

Postmark Here
MAY 05 2014

USPS 24888

Sent To
 Pinnacle Mining Company
 P. O. Box 446 338
 Man, WV 25635
 Pineville

PS Form 3800

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:
 Pinnacle Mining Company
 P. O. Box 446
 Man, WV 25635

2. Article Number (Transfer from service label) 7005 1160 0004 6760 4416

PS Form 3811, July 2013 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [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® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

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 Office of Oil and Gas
 JUL 28 2014

2014 0929 4000 0911 5002

SURFACE OWNER WAIVER

Operator's Well
Number

S-623

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 copies 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.

FOR EXECUTION BY A CORPORATION,
ETC.

	Date	Name	
Signature		By Its	
			Date
		Signature	Date

WW-4B

API No.	<u>47-109-00998 P</u>
Farm Name	<u>MGM Unit</u>
Well No.	<u>S-623</u>

**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 _____

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Pinnacle Mining Company, LLC OP Code 494462340

Watershed (HUC 10) 0507010103 Indian Creek of Guyandotte River Quadrangle Pineville 7 1/2' Series

Elevation 1314.14 County Wyoming District Center

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a pit be used for drill cuttings? Yes _____ No X (steel tank instead of pit)

If so, please describe anticipated pit waste: fluids, steel cuttings & other materials associated with well plugging operations.

Will a synthetic liner be used in the pit? Yes _____ No X If so, what ml.? _____

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 _____)

Will closed loop system be used? n/a

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. n/a

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed 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 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 Jon Lester

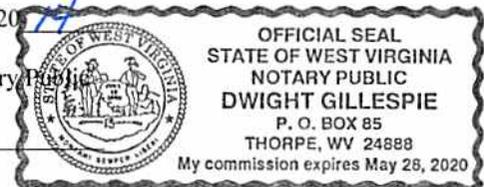
Company Official (Typed Name) Jon Lester

Company Official Title General Manager

Subscribed and sworn before me this 10th day of July, 2017

Dwight Gillespie
My commission expires May 28, 2020

Notary Public



Pinnacle Mining Company, LLC

Proposed Revegetation Treatment: Acres Disturbed 0.42 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 pulp fiber at 1/2 - 3/4 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

Note: Much of this site is covered by a concrete pad from an unrelated facility. It is the operator's intent to preserve this pad intact.

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

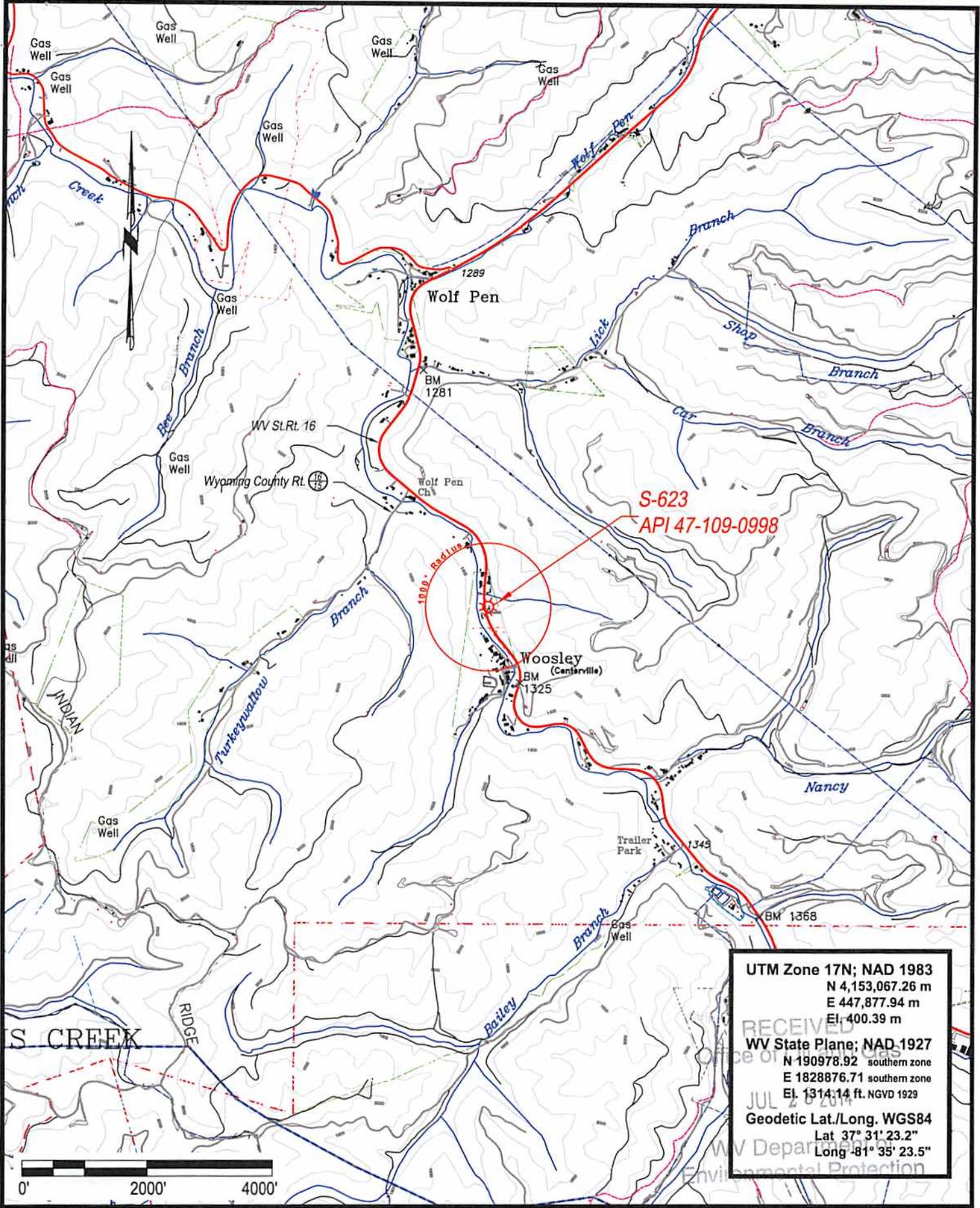
Comments: _____

Title: WV DEP Oil & Gas Insp.

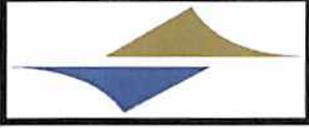
Date: 7/27/14 RECEIVED
Office of Oil and Gas

Field Reviewed? () Yes () No

JUL 28 2014



UTM Zone 17N; NAD 1983
 N 4,153,067.26 m
 E 447,877.94 m
 El. 400.39 m
 WV State Plane; NAD 1927
 N 190978.92 southern zone
 E 1828876.71 southern zone
 El. 1314.14 ft. NGVD 1929
 Geodetic Lat./Long. WGS84
 Lat 37° 31' 23.2"
 Long -81° 35' 23.5"



S-623

API 47-109-0998

March 25, 2014

Located near Centerville in Center District of Wyoming County, West Virginia

109 00 998 P

WW-7
8-30-06



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

API: 47-109-00998 WELL NO.: S-623

FARM NAME: MGM Unit

RESPONSIBLE PARTY NAME: Pinnacle Mining Company, LLC

COUNTY: Wyoming DISTRICT: Center 3

QUADRANGLE: Pineville WV 7½' Series 549

SURFACE OWNER: GRAYBEAL CARL N & ROSA & THOMAS L & LINDA C/O THOMAS GRAYBEAL

ROYALTY OWNER: GRAYBEAL CARL N & ROSA & THOMAS L & LINDA C/O THOMAS GRAYBEAL

UTM GPS NORTHING: 4153067.26

UTM GPS EASTING: 447877.94 GPS ELEVATION: 400.39

(1314.14 NGVD 1929)

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS XX: Post Processed Differential XX

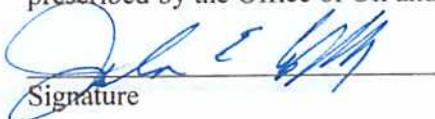
Real-Time Differential _____

Mapping Grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

- 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

PS 1065
Title

3/25/14
Date

RECEIVED
Office of Oil and Gas
WV Department of
Environmental Protection