



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

December 02, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8101328, issued to ARP MOUNTAINEER PRODUCTION, 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: SOUTHERN DICKINSON #4 (SD-~~4~~)
Farm Name: SOUTHERN LAND COMPANY

API Well Number: 47-8101328

Permit Type: Plugging

Date Issued: 12/02/2014

Promoting a healthy environment.

12/05/2014

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

8101328P

WW-4B
Rev. 2/01

1) Date October 8, 2014
2) Operator's
Well No. SD-4
3) API Well No. 47-081 - 1328-C

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 X or Underground storage ___) Deep ___/ Shallow X

5) Location: Elevation 2303.63 Watershed Harper Branch Sandlick Creek
District Clear Fork County Raleigh Quadrangle Eccles

6) Well Operator ARP Mountaineer Production, LLC 7) Designated Agent CT Corporation System
Address Park Place Corporate Center One Address 5400 D Big Tyler Road
1000 Commerce Drive 4th Floor, Pittsburg, PA 15275 Charleston, West Virginia 25313

8) Oil and Gas Inspector to be notified Name Gary Kennedy
Address P.O. Box 268
Nimitz, WV 25978
9) Plugging Contractor Name Universal Well Services
Address 5252 RT 1428
Allen, KY 41601

10) Work Order: The work order for the manner of plugging this well is as follows:
ARP Mountaineer Production, LLC proposes that the borehole be cleaned up to the TD of 1245' or lowest achievable point below the bottom coal zone.
Once the hole is cleaned to bottom, a class A cement plug with 3% or less CaCl will be set from TD to 921' (200' above the second coal seam).
This cement plug will be allowed to set for a minimum of 4 hours and will then be tagged to make sure that it is at least 1021' (100' above the second coal seam).
If it is not, another plug will be spotted from the tag depth to 921'.
This plug will be tagged after at least 4 hours and the process continued until a cement plug is in place to at least 1021'.
Once the lower section is cemented, a cement plug will be set from the top of the lower plug to the surface.
An expanding cement will be used, consisting of 50/50 Class A PozMix with 10% Salt & 2% Bentonite gel.

A permanent marker will be installed and the site reclaimed.

★ Pull 13 3/8" conductor. Freepoint 7". Cut & Remove all 7" possible.
★ Expanding Cement must be used from TD to 437'.
★ Class A Cement from 437' to surface.

Received
JRM
OCT 24 2014

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

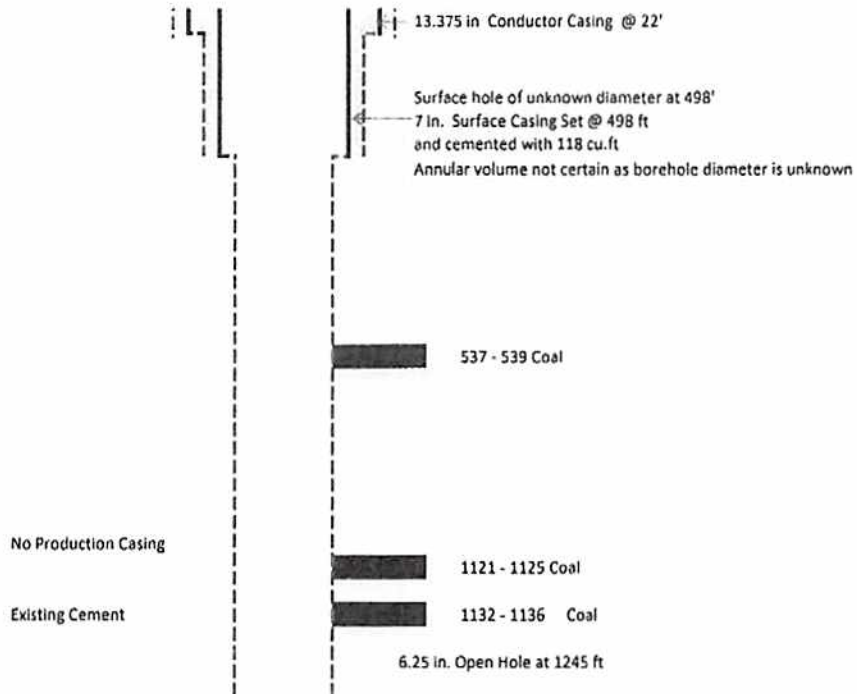
Office of Oil and Gas
WV Dept. of Environmental Protection

Work order approved by inspector Gary Kennedy Date 10/24/14

12/05/2014

SD-4 Plug and Abandon Schematic

API# 47-081-01328-C



Received

OCT 24 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

WR-35
Rev (5-01)

DATE: March 11, 2005
API #: 47-081-01328C

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

REC'D
Office of Oil & Gas
MAR 18 2005
WV Department of Environmental Protection

Farm name: Southern Land Company Operator Well No.: SD-4
LOCATION: Elevation: 2303.63 Quadrangle: Ecclus

District: Clear Fork County: Raleigh
Latitude: 0 Feet South of 37 Deg. 48 Min. 58.63 Sec.
Longitude 0 Feet West of 81 Deg. 17 Min. 05.14 Sec.

Company: AMVEST OIL and Gas, Inc.

Address	Casing & Tubing	Used in drilling	Lost to well	Cement MI up Cu. Ft.
<u>One Bear's Head Pointe Charlottesville, Virginia 22905</u>	<u>13 3/8"</u>	<u>22'</u>	<u>22'</u>	<u>N/A</u>
<u>Agent: Anthony A. Wilkelt</u>	<u>7"</u>	<u>498'</u>	<u>498'</u>	<u>118</u>
<u>Inspector: Richard Campbell</u>				
<u>Date Permit Issued: June 18, 2004</u>				
<u>Date Well Work Commenced: 9/21/2004</u>				
<u>Date Well Work Completed: 9/23/2004</u>				
<u>Verbal Flowing:</u>				
<u>Date Permission granted on:</u>				
<u>Rotary x Cable Rig Union #39</u>				
<u>Total Depth (feet): 1245</u>				
<u>Fresh Water Depth (ft.): N/A</u>				
<u>Salt Water Depth (ft.): N/A</u>				
<u>Is coal being mined in area (N/Y)? N</u>				
<u>Coal Depths (ft.): 543-534, 537-539, 1121-1125 1152-1136</u>				

OPEN FLOW DATA

Producing formation Carolinian #2 and #3 Seams Pay zone depth (ft) 1121-1136
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 60 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests N/A Hours
 Static rock Pressure 220 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

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

Signed: [Signature]
By: [Signature]
Date: 3/14/05

Received

OCT 24 2014

Office of Oil and Gas
WV Department of Environmental Protection

Ecclus 6

Well: SD-4 01328C
Permit Number: 47-081-040200
District: Clear Fork
County: Raleigh

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

Date: 9/23/2004

Well encountered a show of gas in the Pocahontas #2 and #3 seams and has been completed open hole without stimulation.

Int Planned Actual Treatment Remarks

Formation	Top	Bottom	Remarks
Clay	7	18	
Sand	18	183	
Sand and Shale	183	217	
Sand	217	335	
Sand and Shale	335	404	
Sand	404	475	
Shale	475	523	
Coal	523	524	
Shale	524	537	
Coal	537	538	
Shale	538	580	
Sand and Shale	580	622	
Salt Sand	622	720	
Shale	720	725	
Sand and Shale	725	955	
Shale	955	1038	
Salt Sand	1038	1076	
Shale	1076	1121	
Coal	1121	1125	show gas
Shale	1125	1132	
Coal	1132	1136	show gas
Sand and Shale	1136	1193	
Red Shale	1193		

LESS THAN 20"

Received

OCT 24 2014

Office of Oil and Gas
Dept. of Environmental Protection

Beckly

Beckly

GEOMET WELL PROFILE

Well Number ~~000000~~ 5D-4 Date of Job 1-26-12

Reason for Job Completion Work Over Check Pit Preventative

Conditions Found (sand, coal fines, scale, etc.) Pump stuck together

Rig number and operator Lucas Rig # 2 Josh Dotson

PRODUCTION CASING 4 1/2 OD Set @ _____

PLUG DETAIL

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

TUBING DETAIL

Subs	0
Joints	42
Barrel	0
Seat Nipple	1
Tail Joint	0
Total	43
EOT	000000
	1183.35

Size 2 3/8 Thread Encl

PERFORATION DETAIL

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

@ SPF _____

PUMP DESCRIPTION (OUT)

1 1/2" Insert Other

1 25/32" Split Ring PAP

PUMP DESCRIPTION (IN)

1 1/2" Insert Other

1 25/32" Split Ring PAP

Comments Pump # QGMV-086

RODS Size 5/8 # Rods 46 Ponies (2.6' / 1.4') (1.4' on pump)

RODS Size _____ # Rods _____ Ponies _____

REMARKS Inst Mud Nicker on tool it off.

22ft of rest hole.

Put new polish rod on.

TD ?

PBTD 1204

Bottom Perf _____

SCALE DETAIL

Joints 0

Thickness _____

Rods 0

LAST SERVICE DATE ?

SERVICE FREQUENCY _____

Signature AE DB

Received

OCT 24 2014

Office of Oil and Gas
Wy Dept. of Environmental Protection

8101328CP

WW-4A
Revised 6-07

1) Date: October 8, 2014
2) Operator's Well Number SD-4
3) API Well No.: 47 - 081 - 1328-C

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>Southern Land Company, L.P.</u>	Name <u>Black King Mine Development</u>
Address <u>300 Capitol Street Suite 1401</u> <u>Charleston, WV 25301</u>	Address <u>P.O. Box 271 300 Running Right Way</u> <u>Julian WV 25529</u>
(b) Name <u>Daniel McMillion</u>	(b) Coal Owner(s) with Declaration
Address <u>300 Arlington Road</u> <u>P.O. Box 214 Harper, WV 258510214</u>	Name <u>Southern Land Company, L.P.</u>
(c) Name _____	Address <u>300 Capitol Street Suite 1401</u> <u>Charleston, WV 25301</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 268 Nimitz, WV 25978</u>	Name <u>Black King Mine Development</u>
Telephone <u>304-382-8402</u>	Address <u>P.O. Box 271 300 Running Right Way</u> <u>Julian WV 25529</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 ARP Mountaineer Production, LLC
 By: Carla L. Suszkowski
 Its: Director of Environmental and Regulatory Affairs
 Address ARP Mountaineer Production, LLC
Park Place Corporate Center One, 1000 Commerce Drive 4th Floor, Pittsburg, PA 15275
 Telephone _____

Carla L. Suszkowski

Subscribed and sworn before me this 10th day of October, 2014
Lauren A. Skiba
My Commission Expires October 2, 2017

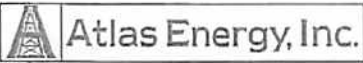
RECEIVED
Office of Oil and Gas
 COMMONWEALTH OF PENNSYLVANIA
 Notarial Seal
 Lauren A. Skiba, Notary Public
 Findlay Township, Allegheny County
 My Commission Expires Oct. 2, 2017

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 normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. The office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

12/05/2014

8101328c P



106 Ridgeview Way
Clinton, TN 37716
Telephone: 865.457.6844
Facsimile: 865.457.6827

October 15, 2014

Daniel McMillion
300 Arlington Road,
P.O. Box 214,
Harper, WV 25851

RE: Plug and Abandon SD-4 Well
Raleigh County, West Virginia

Mr. McMillion:

In preparation for plugging the SD-4, a vertical coalbed methane well API # 47-081-01328C, you are receiving this notice because you have been identified as a land owner and/or coal owner/lessee/operator, within the notification radius of the above mentioned well. Details of the plugging plan may be found in the enclosed plugging permit application.

If you should have any questions or concerns regarding this matter, please feel free to contact me at (865) 457-6844, ext. 106, or by email at kwishoun@atlasenergy.com.

Sincerely,

Keith Wishoun
Land Manager
Atlas Energy

encl.

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

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

OFFICIAL USE

7011 2000 0000 8484 2885

Postage	\$	\$1.40	
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.40	

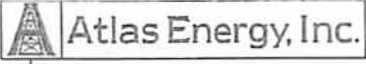
Sent To Daniel McMillion, et al
 Street, Apt. No., or PO Box No. P.O. Box 214
 City, State, ZIP+4 Harper WV 25851

PS Form 3800, August 2006 See Reverse for Instructions

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

12/05/2014

8101328CP



106 Ridgeview Way
Clinton, TN 37716
Telephone: 865.457.6844
Facsimile: 865.457.6827

October 15, 2014


Black King Mine Development
300 Running Right Way,
P.O. Box 271,
Julian, WV 25529

RE: Plug and Abandon SD-4 Well
Raleigh County, West Virginia

To whom it may concern:

In preparation for plugging the SD-4, a vertical coalbed methane well API # 47-081-01328C, you are receiving this notice because you have been identified as a land owner and/or coal owner/lessee/operator, within the notification radius of the above mentioned well. Details of the plugging plan may be found in the enclosed plugging permit application.

If you should have any questions or concerns regarding this matter, please feel free to contact me at (865) 457-6844, ext. 106, or by email at kwishoun@atlasenergy.com.

Sincerely,

Keith Wishoun
Land Manager
Atlas Energy

encl.

7011 2000 0000 8484 2878

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

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

OFFICIAL USE

Postage	\$ 1.40	0716
Certified Fee	\$ 3.30	09
Return Receipt Fee (Endorsement Required)	\$ 2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 7.40	10/15/2014

Sent To: *Black King Mine Development*
Street, Apt. No.; or PO Box No.: *P.O. Box 271*
City, State, ZIP+4: *Julian WV 25529*

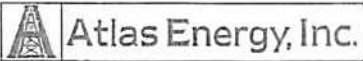
PS Form 3800, August 2008 See Reverse for instructions

CLINTON TN 37716
OCT 15 2014

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

12/05/2014

8101328CP



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

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

7011 2000 0000 8484 2861

OFFICIAL USE

Postage	\$	4.30	09	Postmark Here
Certified Fee				
Return Receipt Fee (Endorsement Required)		2.70		
Restricted Delivery Fee (Endorsement Required)		0.00		
Total Postage & Fees	\$	7.40		10/15/2014

Sent To Southern Land Company LP
 Street, Apt. No. or PO Box No. 300 Capitol St Suite 1401
 City, State, ZIP+4 Charleston WV 25301

PS Form 3800, August 2006 See Reverse for Instructions

October 15, 2014

Eddie Workman
Southern Land Company, L.P.
300 Capitol Street, Suite 1401
Charleston, WV 25301

RE: Plug and Abandon SD-4 Well
Raleigh County, West Virginia

Mr. Workman:

In preparation for plugging the SD-4, a vertical coalbed methane well API # 47-081-01328C, you are receiving this notice because you have been identified as a land owner and/or coal owner/lessee/operator, within the notification radius of the above mentioned well. Details of the plugging plan may be found in the enclosed plugging permit application.

If you should have any questions or concerns regarding this matter, please feel free to contact me at (865) 457-6844, ext. 106, or by email at kwishoun@atlasenergy.com.

Sincerely,

Keith Wishoun
Land Manager
Atlas Energy

encl.

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

12/05/2014

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 ARP Mountaineer Production, LLC OP Code _____

Watershed Harper Branch Sandlick Creek Quadrangle Eccles

Elevation 2303.63 County Raleigh District Clear Fork

Description of anticipated Pit Waste: Fresh Water, Produced Water, Bentonite, Cement

Will a synthetic liner be used in the pit? Open Top Tank *lls*

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 *Carla L. Suszkowski*

Company Official (Typed Name) Carla L. Suszkowski

Company Official Title Director of Environmental and Regulatory Affairs

Received

Subscribed and sworn before me this 10th day of October, 20 14

OCT 24 2014

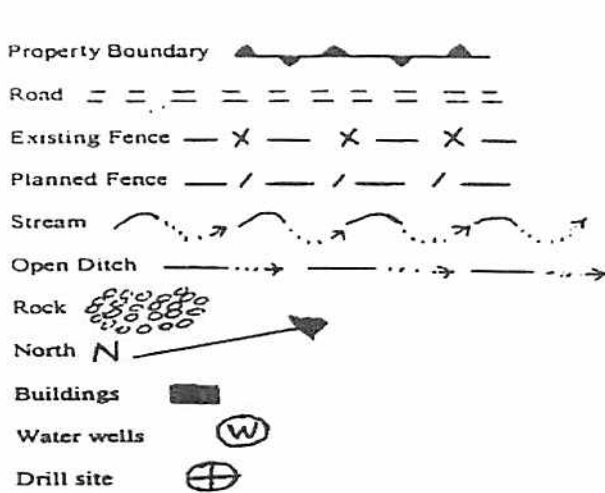
Lauren A. Skiba Notary Public

Office of Oil and Gas
WV Dept. of Environmental Protection

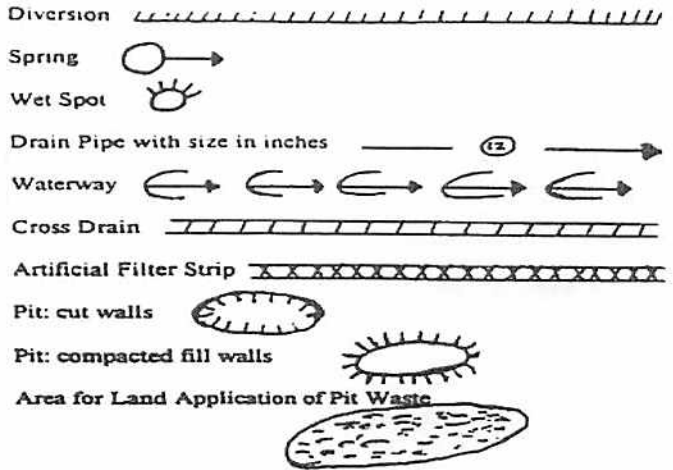
My commission expires October 2, 2017

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Lauren A. Skiba, Notary Public
Findlay Twp., Allegheny County
My Commission Expires Oct. 2, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

12/05/2014



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation pH 5-6.5
 Lime 2 Tons/acre or to correct to pH 6
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
 Mulch Hay / Straw Tons/acre

Seed Mixtures

Seed Type	Area I		Seed Type	Area II	
		lbs/acre			lbs/acre
Tall Fescue or Orchard Grass		40			
Annual Ryegrass		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: [Signature]

Comments: _____

Received

OCT 24 2014

Title: Inspector

Date: 10/24/14

Office of Oil and Gas
WV Dept. of Environmental Protection

Field Reviewed? () Yes () No

SD-4

47-081-01328C P

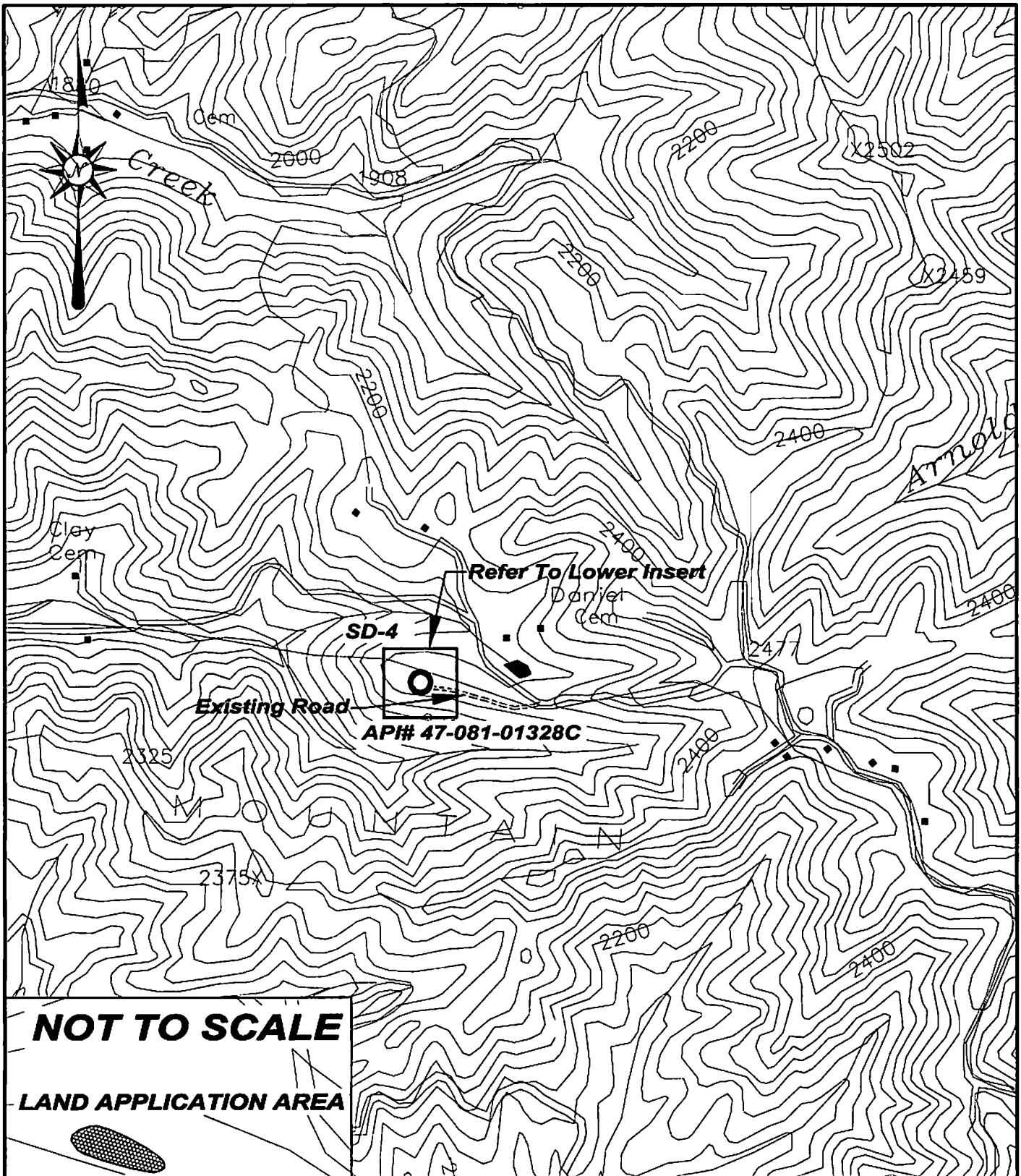


Received

OCT 24 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

12/05/2014



NOT TO SCALE

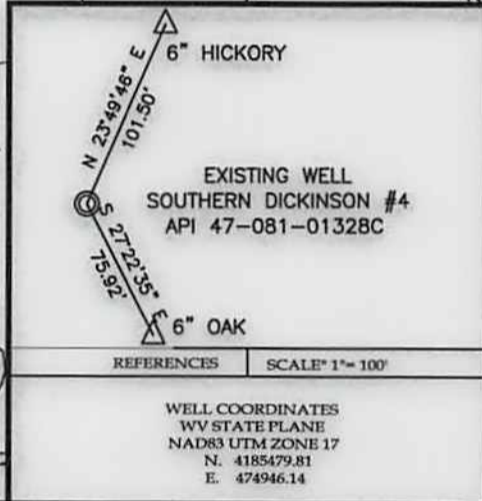
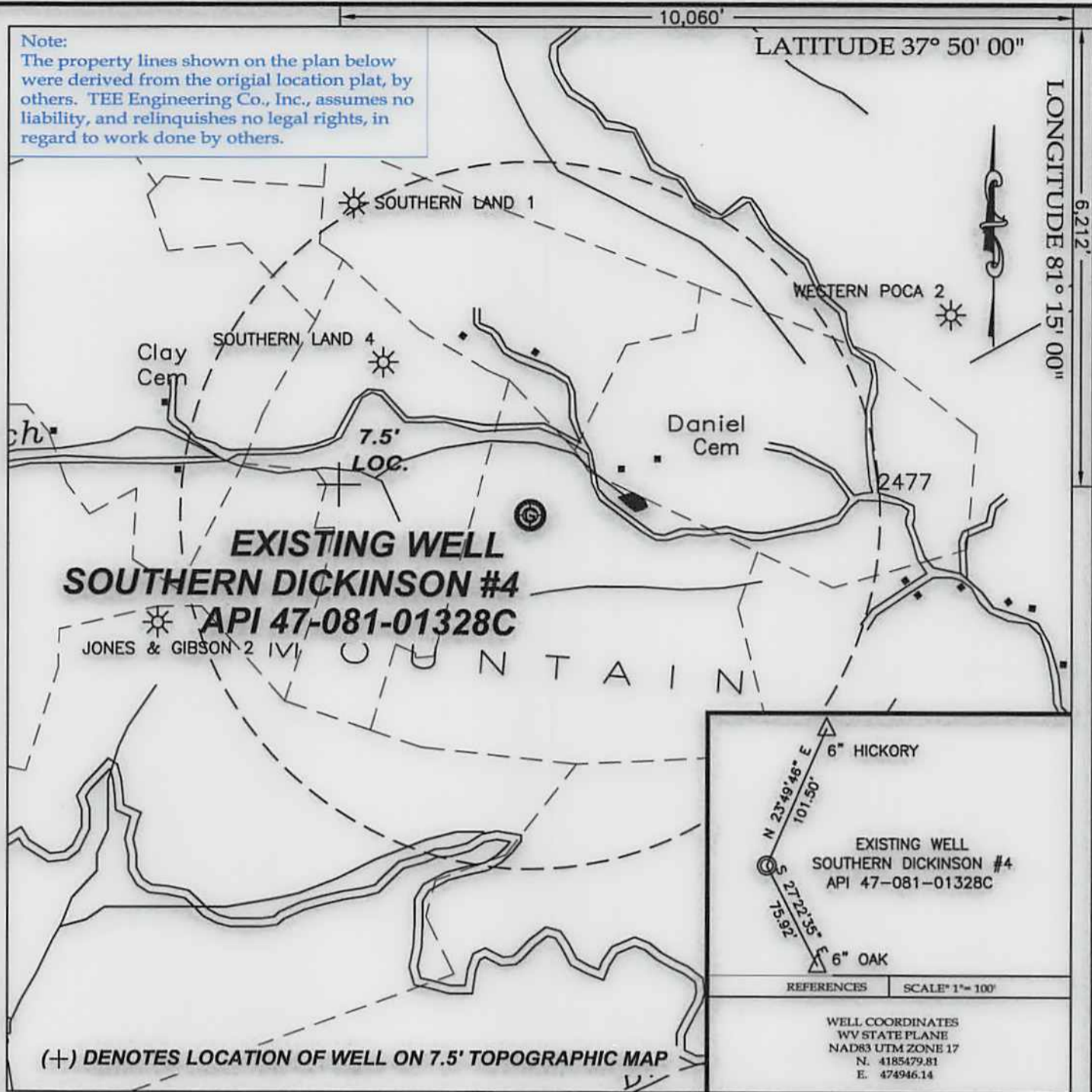
LAND APPLICATION AREA

SD-4

EXISTING ROAD

ARP Mountaineer Production, LLC	
PARK PLACE CORPORATE CENTER ONE 1000 COMMERCE DRIVE 4th FLOOR, PITTSBURG, PA 15275	
SITE PLAN MAP	WELL NO. SOUTHERN DICKINSON #4
DATE: 10/8/14	 TEE Engineering Company, Inc. P.O. BOX 219, STANVILLE, KY. 41659 PHONE: (606) 478-9024 320 CUTTERS HILL COURT, LEXINGTON, KY. 40509 PHONE: (606) 263-6350
SCALE: 1" = 1000'	

Note:
The property lines shown on the plan below were derived from the original location plat, by others. TEE Engineering Co., Inc., assumes no liability, and relinquishes no legal rights, in regard to work done by others.



(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP

TEE Engineering Company, Inc.
P.O. BOX 219, STANVILLE, KY. 41659 PHONE: (606) 478-9024
320 CUTTERS HILL COURT, LEXINGTON, KY. 40509 PHONE: (859) 263-5350
ARP Mountaineer Production, LLC
Well No. Southern Dickinson #4
FILE NO. 1883-00
DRAWING NO. SD-4 PLUGGING PLAT
SCALE: 1" = 1,000'
MIN. DEGREE OF ACCURACY 1 : 2,500
PROVEN SOURCE OF ELEVATION
GPS STATION TEC-1 (ELEV. 2406.60)

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 MINES.
Don F. Blackburn
(SIGNATURE)
R.P.E. _____ R.P.S. 1008



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

DATE OCTOBER 8, 2014
OPERATOR'S WELL NO. SOUTHERN DICKINSON #4
API WELL NO. 47 - 081 - 01328C **P**
STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS CBM _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 2,303.74' NORTHING 4185479.81 EASTING 474946.14 ZONE 17 NAD83 UTM
DISTRICT CLEAR FORK WATER SHED HARPER BRANCH OF SANDLICK CREEK
QUADRANGLE ECCLES COUNTY RALEIGH
SURFACE OWNER SOUTHERN LAND COMPANY LTD, et al ACREAGE 156.35
CBM ROYALTY OWNER SOUTHERN LAND COMPANY LTD, et al LEASE ACREAGE 156.35
LEASE NO. _____

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
STIMULATE _____ PLUG OFF OLD FORMATION _____ PEFORATE NEW
FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON CLEAN OUT AND REPLUG _____
TARGET FORMATION POCAHONTAS 2 & 3 ESTIMATED DEPTH 1,350'
WELL OPERATOR ARP MOUNTAINEER PRODUCTION, LLC DESIGNATED AGENT CT CORPORATION SYSTEM
ADDRESS PARK PLACE CORPORATE CENTER ONE ADDRESS 5400 D BIG TYLER ROAD
1000 COMMERCE DRIVE 4th FLOOR, PITTSBURG, PA 15275 CHARLESTON, WV 25313

12/05/2014

October 22, 2014

Mr. Gene Smith
West Virginia Department of
Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345

Re: ARP Mountaineer Production, LLC - Application for Plugging Permit
47-081-01328C Well Name – SD #4

Dear Mr. Smith,

On behalf of ARP Mountaineer Production, LLC, please find attached for the above referenced plugging permit application the following:

- 1.) Original Plugging Permit Application
- 2.) Notification Mail Receipts.

Please note that the permit fee has been paid directly by ARP Mountaineer Production, LLC. Should there be any questions regarding this matter, please contact me at our Stanville office (606-478-9024 ext 450) or contact Rocky Stilwell (276-963-2976 ext 241).

Sincerely,


Tim W. Blackburn, V.P.
TEE Engineering Co., Inc.

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

