



**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 06, 2014

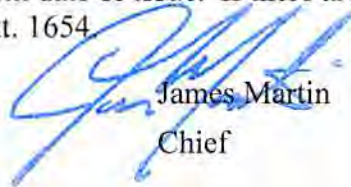
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3905447, issued to REED GAS INC, 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: AL-114  
Farm Name: APPALACHIAN LAND CO.  
**API Well Number: 47-3905447**  
**Permit Type: Plugging**  
Date Issued: 08/06/2014

Promoting a healthy environment.

08/08/2014

# 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

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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 6/10 20 14  
2) Operator's Well No. a1-114p  
3) API Well No. 49-39-5447P

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 \_\_\_\_
- 5) Location: Elevation 1442' Watershed Middle Fork of Blue Creek  
District Elk County Kanawha Quadrangle Mammoth
- 6) Well Operator Reed Gas Inc. 7) Designated Agent James W. Reed Jr.  
Address Virginia Street Address Virginia Street  
Charleston, WV. 25301 Charleston, WV. 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Terry Urban Name Duckworth Well Service  
Address P.O. Box 1209 Address P.O. Box 6871  
Clendenin WV. 25045 Charleston WV. 25362

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

~~Perament Plug @1730'  
100' of cement 1730' to 1630'  
100' of cement 362' to 262'  
100' of cement 100' to surface.~~

*See Plugging Diagram*

Gell between all plugs.  
Pull all free pipe.

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

Work order approved by inspector *[Signature]* Date 6-30-14

Received

JUL 11 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

08/08/2014



172 Odessa Drive  
Glen, WV 25088  
(304) 548.7142

Well Plugging Work Ord

39-5447

API #: 47-039-054476P  
Operator: Reed Gas, Inc.  
Well Name: AL-114

100'  
Cement  
to 0'

27.7# F-55 9-5/8" @ 312ft  
Cement 3621  
Cut & Remove 1680ft +/- 4-1/2" csg

TOC 4-1/2" @ 1680ft  
200' cement 1730  
1730

Perment Plug

1730 20# 1-55 7" @ 2115ft

2196 -  
Upper Interval  
2482 -

3829 -  
Bottom Interval  
4805 -

11.6# J-55 4-1/2" csg @ 4826ft

< Plug Top = 0ft

Cement Fill = 362ft  
Fill Volume = 110 cu. ft

< Plug Base = 362ft

6% Gel Fill = 1703ft  
Fill Volume = 208 cu. ft

< Plug Top = 2065ft

Cement Fill = 467ft  
Fill Volume = 53 cu. ft

< Plug Base = 2532ft

6% Gel Fill = 1247ft  
Fill Volume = 152 cu. ft

< Plug Top = 3779ft

Cement Fill = 1047ft  
Fill Volume = 119 cu. ft

< Plug Base = 4826ft

Will also  
set elevation  
plug

*[Signature]*  
6-30-14

Received

JUL 11 2014

Office of Oil and Gas

WR - 35  
Rev (5-01)

Date: 04/10/03  
API # 47-039-05447

*h17*

State of West Virginia  
Department of Environmental Protection  
Office of Oil & Gas  
Well Operators Report of Well Work

Operators well name: AL 114  
Farm Name: Appalachian Land Co Operator # 41350

Location: Elevation 1438 Quadrangle: Mammoth  
District: Elk County: Kanawha  
Latitude: 10890 Feet South of 38 Deg 22 Min. 30 Sec.  
Longitude: 2838 Feet West of 81 Deg 17 Min. 30 Sec.

Company: Reed Gas Inc.  
Address: 1206 Kanawha Blvd E - Suite 201  
Charleston, WV 25301

Agent:	James W. Reed Jr.	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill up C: Ft			
Inspector	Carlos Hively					Sks		CU FT
Date Permit Issued:	10/24/01	13 3/8	32	FT				
Date Well Work Commenced	01/04/02	9 5/8	312	312 FT	105	Sks	145	CU FT
Date Well Work Completed	04/12/02		2115	2115 FT	220	Sks	350	CU FT
Verbal Plugging:		4 1/2		482G FT	230	Sks	427	CU FT
Date Permission Granted On				FT		Sks		CU FT
Rotary X Cable	Flt:							
Total Depth (feet)	4864							
Fresh Water Depth:								
Salt Water Depth								
Is coal being mined in area ?	N							
Coal Depths								

OPEN FLOW DATA:

Producing Formation: Shale Pay zone depth (ft) 3929 to 4805

GAS: Initial Open Flow: NA MCF/d OIL: Initial Open Flow:      Bbl/d  
 Final Open Flow: 146 MCF/d Final Open Flow:      Bbl/d  
 Time of open flow between initial and final tests 6 Hours  
 Static rock pressure: 267 PSI (surface pressure) after 48 Hours

Second producing formation: Weir/lime Pay zone depth (ft) 2194 to 2481

GAS: Initial Open Flow: NA 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      PSI (surface pressure) after      Hours

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

Signed: *Mark Rubin*  
By: \_\_\_\_\_  
Date: 4/10/03

Received

JUL 11 2014  
Office of Oil & Gas  
WV Dept. of Environmental Protection

08/08/2014

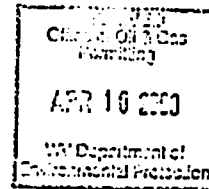
State of West Virginia  
Department of Environmental Protection  
Office of Oil & Gas

Operators well name: AL 114  
Farm Name: Appalachian Land Co. Operator # 41350  
Company: Reed Gas Inc.  
Address: 1206 Kanawha Blvd. E. Suite 201  
Charleston, WV 25301

GEOLOGICAL RECORD

Description:	Top	Bottom:
Clay/ Sand	0	12
Sand & Shale	12	1071
Eagle Shale	1071	1080
Rosedale Sand	1080	1100
Shale Break	1100	1215
Salt Sands w/ intermitent Shales	1215	1805
Red Rock/ Gray Shales	1805	1942
Sands	1942	1992
Shale Break	1992	2007
Sands	2007	2067
Shale Break	2067	2118
Little Lime	2118	2134
Pencil Cave	2134	2144
Big Lime	2144	2287
Keener	2287	2306
Shale Break	2306	2312
Injun	2312	2317
McCrary Shale	2317	2362
Upper Weir	2362	2393
Shale Break	2393	2436
Lower Weir	2436	2486
Shale	2486	4864

Additional Comments:



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JUL 11 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

08/08/2014

WR - 35  
Rev (5-01)

Date: 04/10/03  
API # 47-039-05447

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

Operators well name: AL 114  
Farm Name: Appalachian Land Co. Operator # 41350

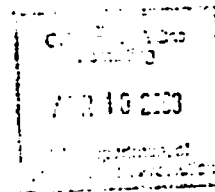
Company: Bred Gas Inc.  
Address: 1206 Kanawha Blvd E - Suite 201  
Charleston, WV 25301

Stimulation Report

Stage 1) SHALE: Perforate with 36 shots from 2829 to 4805. Treat at 32 Bpm dropping 10 perf balls after placing 30,000 lbs 20/40 sand. Restart pad & run another 30,000 lbs 20/40 sand with a variable foam system. A total of 211 bbls treated fluid, 800 gals 15% Hcl acid & 774,600 scf nitrogen. AVG Psi 2678

Stage 2) WEIR: Perforate with 10 shots from 2471 to 2484. Treat with 75% foam at 20 BPM using 124 BBls Treated fluid, 250 Gal 15% Hcl acid and placed 30,000 lbs 20/40 sand. Total Nitrogen - 390,000 scf Average Treating pressure - 3110

Stage 3) Big Lime: Perforate with 14 Shots from 2196 to 2484. Treat with 70% foam at 24 BPM using 210 bbls treated fluid, 250 gals 15% Hcl acid, 500 gals 28% Hcl acid & placed 38,000 lbs 20/40 sand. Total nitrogen 260,000 scf Avg treating pressure - 2343 PSI



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JUL 17 2003  
KAN  
S&G

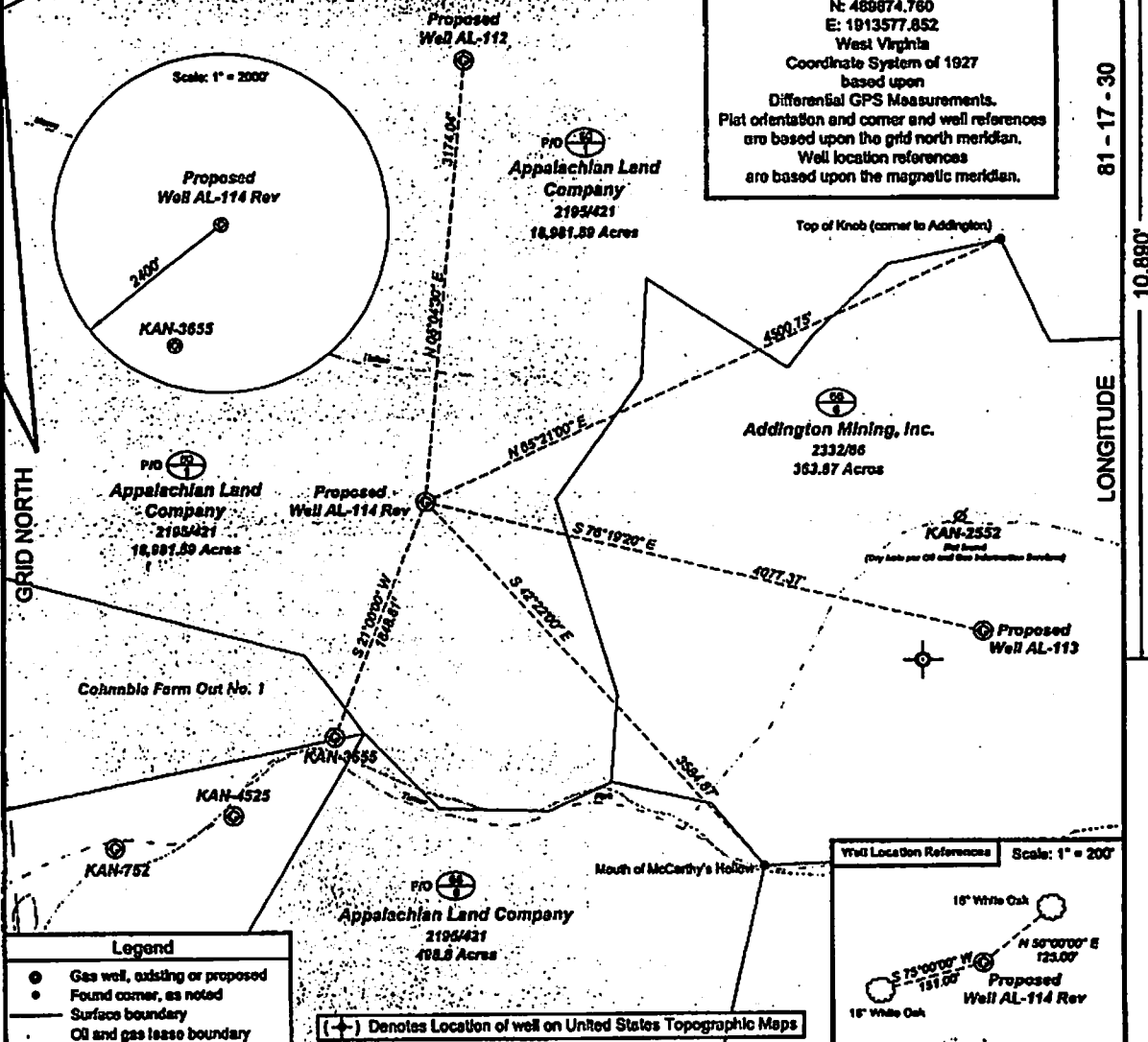
Office of Oil and Gas  
WV Dept. of Environmental Protection

08/08/2014

Appalachian Land Well No. 114 Rev  
5918.227 Acres  
Oil and Gas Lease

LATITUDE: 38-22-30"

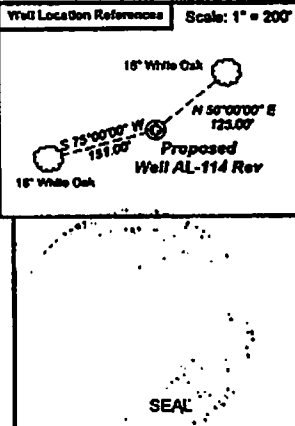
**Notes:**  
Well site coordinates are  
N: 489874.780  
E: 1913577.852  
West Virginia  
Coordinate System of 1927  
based upon  
Differential GPS Measurements.  
Plat orientation and corner and well references  
are based upon the grid north meridian.  
Well location references  
are based upon the magnetic meridian.



FILE No. 37-14E-01  
 DRAWING No. 3714E01.dwg  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY: 1/2400  
 PROVEN SOURCE OF ELEVATION U.S.G.S. Ham Station Elevation: 631.00'

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

*A.W. R. [Signature]*  
 P.S. 835



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

DATE: November 6 20 01  
 OPERATOR'S WELL No. AL-114 Rev  
 API WELL No. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ STATE 47 COUNTY 039 PERMIT 05447  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION: 1442.30' WATER SHED: Turner Fork of Middle Fork of BNA Creek  
 DISTRICT: Elk COUNTY: Kanawha

QUADRANGLE: Mammoth SURFACE OWNER: Appalachian Land Company ACREAGE: 18,981.54 Ac  
 OIL & GAS ROYALTY OWNER: Pine Mountain Oil and Gas LEASE ACREAGE: 5918.227 Ac  
 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: Devonian Shale ESTIMATED DEPTH: 5200'

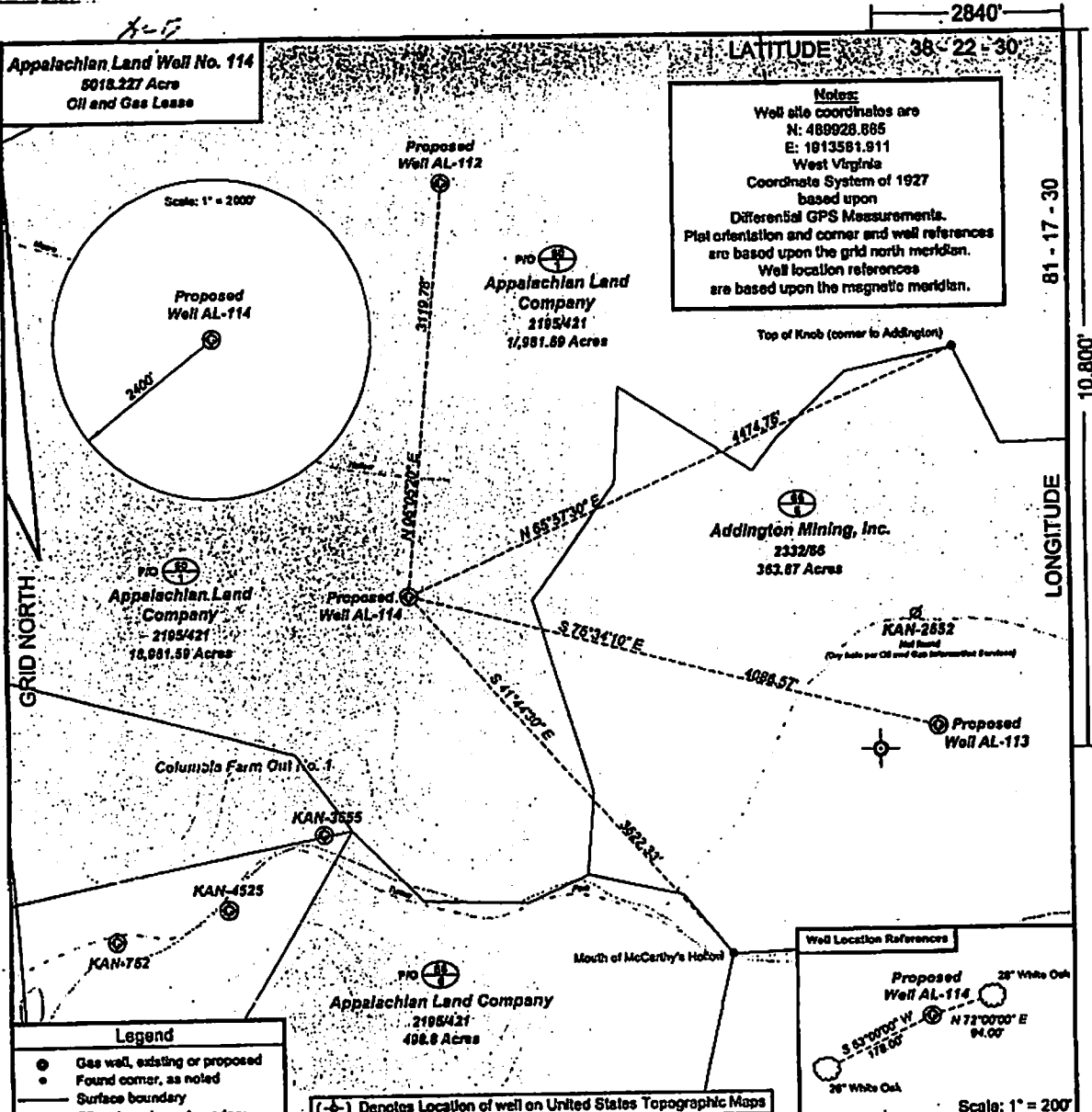
WELL OPERATOR: Reed Gas, Inc. DESIGNATED AGENT: James W. Reed, Jr. Oil and Gas  
 ADDRESS: 1206 Kanawha BLVD. E. Suite 201 ADDRESS: 1206 Kanawha BLVD. E. Suite 201  
 Charleston, WV 25301 Charleston, WV 25301

LONGITUDE: 81-17-30"

RECEIVED  
 JUL 11 2014  
 KANAWHA 5447 Rev.

08/08/2014





**Notes:**  
 Well site coordinates are  
 N: 489928.685  
 E: 1813581.911  
 West Virginia  
 Coordinate System of 1927  
 based upon  
 Differential GPS Measurements.  
 Plat orientation and corner and well references  
 are based upon the grid north meridian.  
 Well location references  
 are based upon the magnetic meridian.

**Appalachian Land Well No. 114**  
 5018.227 Acres  
 Oil and Gas Lease

**Legend**  
 ● Gas well, existing or proposed  
 ○ Found corner, as noted  
 --- Surface boundary  
 --- Oil and gas lease boundary

FILE No. 37-14E-01  
 DRAWING No. 3714EQ1.dwg  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF  
 ACCURACY: 1/2400  
 PROVEN SOURCE OF  
 ELEVATION U.S.G.S. Horn  
 Station Elevation: 631.00'

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.

*[Signature]*  
 P.S. 835

**Well Location References**  
 Proposed Well AL-114  
 28° White Oak  
 S 63° 00' 00" W 178.00'  
 N 71° 00' 00" E 94.00'  
 28° White Oak  
 Scale: 1" = 200'

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

DATE: October 17 20 01  
 OPERATOR'S WELL No. AL-114  
 API WELL No. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ STATE 47 COUNTY 039 PERMIT 05447  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

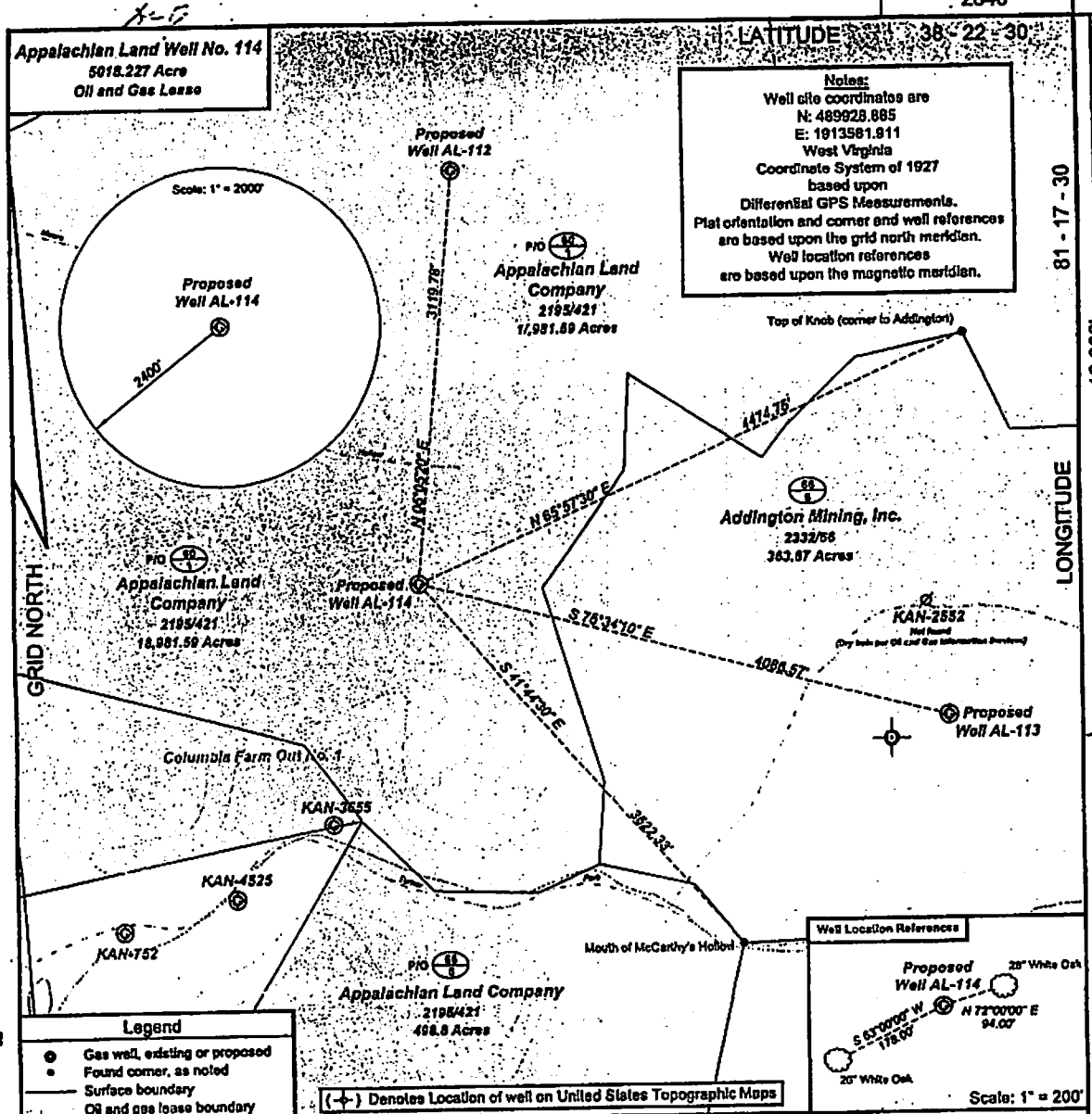
LOCATION: ELEVATION: 1447.78' WATER SHED: Turner Fork and Moore Hollow of Middle Fork of Blue Creek  
 DISTRICT: Elk COUNTY: Kanawha

QUADRANGLE: Mammoth ACREAGE: 18,881.54 Acres  
 SURFACE OWNER: Appalachian Land Company LEASE ACREAGE: 5018.227 Acres  
 OIL & GAS ROYALTY OWNER: Pine Mountain Oil and Gas 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: Devonian Shale ESTIMATED DEPTH: 5200'  
 WELL OPERATOR: Reed Gas, Inc. DESIGNATED AGENT: James W. Reed, Jr.  
 ADDRESS: 1206 Kanawha BLVD. E. Suite 201 ADDRESS: 1206 Kanawha BLVD. E. Suite 201  
Charleston, WV 25301 Charleston, WV 25301

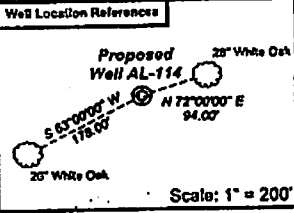
08/08/2014



FILE No. 37-14E-01  
DRAWING No. 3714E01.dwg  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: 1:2400  
PROVEN SOURCE OF ELEVATION U.S.G.S. Ham  
Station Elev. Elevation: 631.00'

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.

*[Signature]*  
P.S. 835



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE: October 17 20 01  
OPERATOR'S WELL No. AL-114  
API WELL No. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ STATE 47 COUNTY 039 PERMIT 05447  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION: 1447.78' WATER SHED: Turner Fork and Moore Hollow of Middle Fork of Blue Creek  
DISTRICT: Et COUNTY: Kanawha

QUADRANGLE: Mammoth

SURFACE OWNER: Appalachian Land Company ACREAGE: 18,981.58 Ac.  
OIL & GAS ROYALTY OWNER: Pine Mountain Oil and Gas LEASE ACREAGE: 5018.227 Ac.  
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: Devonian Shale ESTIMATED DEPTH: 5200'

WELL OPERATOR: Reed Gas, Inc. DESIGNATED AGENT: James W. Reed, Jr.  
ADDRESS: 1206 Kanawha BLVD, E. Suite 201 ADDRESS: 1206 Kanawha BLVD, E. Suite 201  
Charleston, WV 25301 Charleston, WV 25301

08/08/2014

Office of Oil and Gas  
Dept. of Environmental Protection

9209 499E 1000 0741 6002

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**CERTIFIED MAIL™ RECEIPT**  
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**OFFICIAL USE**

Postage	\$	\$0.91
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.91</b>



Sent To Blue Eagle Fund @ a.  
 Street, Apt. No.,  
 or PO Box No. 700 Virginia Ln  
 City, State, ZIP+4 Charleston WV 25301

PS Form 3800, August 2005 See Reverse for Instructions



Received  
 JUL 11 2014  
 Office of the Director  
 Nat. Park

08/08/2014

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
AL 114P  
3) API Well No.: 47 - 39 - 5447P

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>Appalachian Land Company</u>	Address _____
Address <u>Blue Eagle Land Co</u>	_____
<u>700 Virginia</u>	_____
(b) Name <u>Charleston, WV 25302</u>	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name _____
<u>Clendenin WV 25045</u>	Address _____
Telephone _____	_____

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 this work and describes the well use 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 reverse side. However, you are not required to take any action at all.

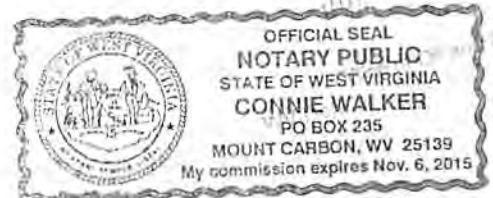
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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) on or before the day of mailing or delivery to the Chief.

Well Operator Reed Gas Inc.  
 By: \_\_\_\_\_  
 Its: President  
 Address Virginia Street  
Charleston WV 25301  
 Telephone \_\_\_\_\_

Subscribed and sworn before me this 24 day of June, 2014  
Connie Walker Notary Public  
 My Commission Expires Nov 6, 2015

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 [depprivacy@office.wv.gov](mailto:depprivacy@office.wv.gov).



08/08/2014

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 Reed Gas Inc. OP Code \_\_\_\_\_

Watershed Middle Fork of Blue Creek Establishment Mammoth

Elevation 1442 County Kanawha District Elk

Description of anticipated Pit Waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? \_\_\_\_\_

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 \_\_\_\_\_)

*no pit* (circled in blue)

Proposed Work For Which Pit Will Be Used:

- \_\_\_\_\_ Drilling
- \_\_\_\_\_ Wellover
- \_\_\_\_\_ 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 this 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 James W Reed Jr

Company Official (Typed Name) James W. Reed Jr.

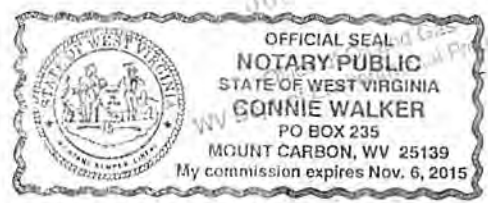
Company Official Title President

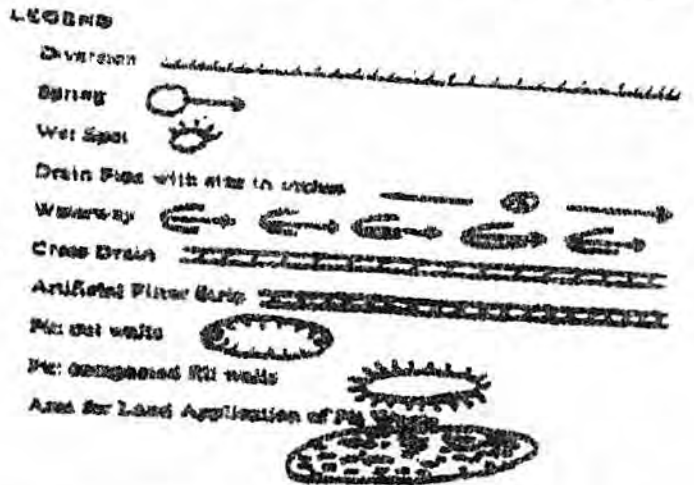
Subscribed and sworn before me this 24 day of June, 2014

Gonnie Walker Notary Public

My commission expires Nov 6, 2015

Received





Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH \_\_\_\_\_  
 Lime 3 Tons/acre or to correct to pH \_\_\_\_\_  
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)  
 Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
<u>CONTRACTOR MIX</u>			

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: \_\_\_\_\_

Title: Inspect dbe GAS Date: 6-30-14

Field Reviewed?  Yes  No

Received  
 JUL 17 2014  
 Office of Oil and Gas



Office of Oil and Gas  
Environmental Protection  
11/2014  
revised



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

API: 11-7-39-5447 WELL NO.: AL-114  
FARM NAME: Appalachian Land Co.  
RESPONSIBLE PARTY NAME: James W. Reed Jr  
COUNTY: Kanawha DISTRICT: F11K  
QUADRANGLE: Mammoth  
SURFACE OWNER: Appalachian Land Co.  
ROYALTY OWNER: Pine Mountain Oil & Gas  
UTM GPS NORTHING: 4244160  
UTM GPS EASTING: 473659 GPS ELEVATION: 1442

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) - meters.
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_: 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.

Steve D. Kratt Contractor  
Signature Title

Received  
6-10-14  
Date  
JUL 17 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection