



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 04, 2013

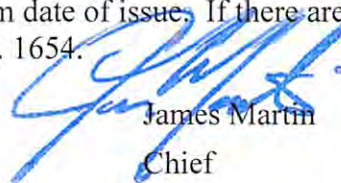
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8505434, issued to PRIME OPERATING COMPANY, 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: WELLINGHAM 1188
Farm Name: WELLINGHAM, DR. C. E.
API Well Number: 47-8505434
Permit Type: Plugging
Date Issued: 12/04/2013

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. 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.
2. Well work activities shall not constitute a hazard to the safety of persons.

* Well work History for Willingham 2218 (1188) API#47-085-05434

3/3/2006 Prime Operating Company perforated the Injun which began producing a high water volume. We ran 2 3/8" tubing on a packer to isolate the water and began swabbing the well but the swab tools got stuck. We pulled tight overnight and the next morning checked the tools but they were still hung. We cut the wire line and released the packer to pull the tubing and retrieve the tools. After unsetting the packer the tubing pulled hard and then parted. We recovered 1640' of tubing and fifty-two joints (2780') fell to bottom. Therefore, the top of the tubing is approximately at 1652'. A sand frac had been performed, so it is likely the packer is sanded off with no room to wash around the packer. Prime Operating would like to be able to run tubing down to the top of the tubing that was lost in the hole and set a 500' cement plug and proceed with the plugging of the well.

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Office of Oil and Gas
NOV 18 2013
New York Department of
Environmental Protection

8505434A

WW-4B
Rev. 2/01

1) Date _____, 20____
2) Operator's
Well No. 2218 (1188)
3) API Well No. 47-085 - 05434

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 902' Watershed Left Hand Fork of Bills Run
District Grant 07 County Ritchie 85 Quadrangle Petorluem 7.5 544
- 6) Well Operator Prime Operating Company 7) Designated Agent _____
Address 714 1/2 Lee Street East Address _____
Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Dave Cowan Name _____
Address Rt 1 Box 202 Address _____
Harrisville WV 26362

10) Work Order: The work order for the manner of plugging this well is as follows:
 Run 2 3/8" tubing in well to top of tubing and wire line (1652' ?) Gel hole to surface and set a 500' cement plug.
 Pull 2 3/8" out of well and cut 4 1/2" casing @ 1100' set a 200' cement plug @ pipe cut inside 7" casing.
 Pull 4 1/2" casing to 400' and set a 200' cement plug. Pull 4 1/2" out of well and fill with cement to surface.
 Set a plugging monument with API# and date plugged.
 9 5/8" and 7" casing was cemented to surface when well was drilled.
 UTM East 477935.7 UTM North 4335909

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NOV 18 2013
WV Department of
Environmental Protection

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

Work order approved by inspector Dave Cowan Date 10-29-13

85054344

WR-35

DATE: 3/19/2007
API#: 47-085-5434

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

Well Operator's Report of Well Work

Farm name: Wellingham #1 Operator Well No.: 1188
LOCATION: Elevation: 902 Quadrangle: 7.5 Petroleum
District: Grant County: Ritchie
Latitude: Feet South of Deg. Min. Sec.
Longitude: Feet West of Deg. Min. Sec.

Company: Prime Operating Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
714 1/2 Lee Street East Charleston, WV 25301-1707	9 5/8"	350	350'	CIRE
Agent: Robert L. Blackburn				
Inspector: Larry Parrish	7"	1997'	1997'	CIRE
Date Permit Issued: 5/6/2005				
Date Well Work Commenced: 2/8/2006	4 1/2"		4919'	250 sks
Date Well Work Completed: 2/15/2006				
Verbal Plugging:				
Date Permission granted on: 2/4/2006				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (feet):				
Salt Water Depth (feet):				
Is coal being mined in area (N/Y)?	N			
Coal Depths (feet):	None			

OPEN FLOW DATA

Producing formation Huron/Benson Pay zone depth (ft) 4493-4851
Gas: Initial open flow S/G MCF/d: Oil Initial open flow 0 Bbl/d
Final open flow 450 MCF/d Final Open Flow 12 Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure 1250 psig (surface pressure) after 48 Hours

Second producing formation Injun and Squaw Pay zone depth (ft) 1862-1889-1896
Gas: Initial open flow 0 MCF/d: Initial open flow 0 Bbl/d
Final open flow 100,000 MCF/d Final Open Flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 110,000 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.

PRIME OPERATING COMPANY

Signed: Robert L. Blackburn
By: Robert L. Blackburn
Its: Designated Agent/District Manager

RIT
5434

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

Perforated 4612 - 4353, 25 holes
 Frac with 1500 gals. 15% acid; 1,500,000 scf N₂.
 Perforated 3970 - 3774, 32 holes.
 Frac with 1500 gals. 15% acid, 2,000,000 scf N₂.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all free and salt water, coal, oil and c.
Sandy Shale			0	330	
Shale			330	517	
Sand			517	580	
Shale			580	735	
Sand			735	780	
Shale			780	1427	
Sand			1427	1588	
Shale			1588	1697	
Big Lime			1697	1804	
Big Injun			1804	1812	
Squaw			1812	1897	
Shale			1897	2283	
Coffee Shale			2283	2291	
Berea			2291	2294	
Shale			2294	4335	
Huron Shale			4335	4574	
Shale			4574	4920	
TD			4920		

(Attach separate sheets as necessary)

Wayman W. Buchanan
 Well Operator
 By: *[Signature]* Geologist
 Date: August 2, 1982

Note: Regulation 0.02(f) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."

Set plug at 1920, perforate 10 holes 1862-1869 1884-1889-1892-1896
500 gal 15% acid, Break down 2700#
40,000lbs of 20/40 sand 480 bbls of water
Shut in psi 1774, 5 min -1378, 10 min- 1280



REVISED

IV-35
Rev 8-81)

Date August 2, 1982
Operator's
Well No. Willingham #1
Farm C. E. Willingham
API No. 47-085-05434

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 902 Watershed Left Hand Fork of Bills Run
District: Grant County Ritchie Quadrangle Petroleum 7.5'

COMPANY Prime Operating Company
ADDRESS 714 1/2 Lee St E, Charleston WV 25301
DESIGNATED AGENT Robert L. Blackburn
ADDRESS Same
SURFACE OWNER Peggy, Max & Steve Burnside
ADDRESS 1521 Dupont Rd, Ste 102, Parkersburg WV 26101
MINERAL RIGHTS OWNER Dr. CE Willingham
ADDRESS PO Box 6326, Tyler TX 75711
OIL AND GAS INSPECTOR FOR THIS WORK Larry Parrish
ADDRESS Rt 1 Box 118, Ripley WV 25271
PERMIT ISSUED 12/10/81
DRILLING COMMENCED 7/5/82
DRILLING COMPLETED 7/11/82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16			
COND.			
13-10"			
9 5/8		350'	Circ.
8 5/8			
7		1997'	Circ.
5 1/2"			
4 1/2		4919'	250 sks.
3			
2			
Liners used			

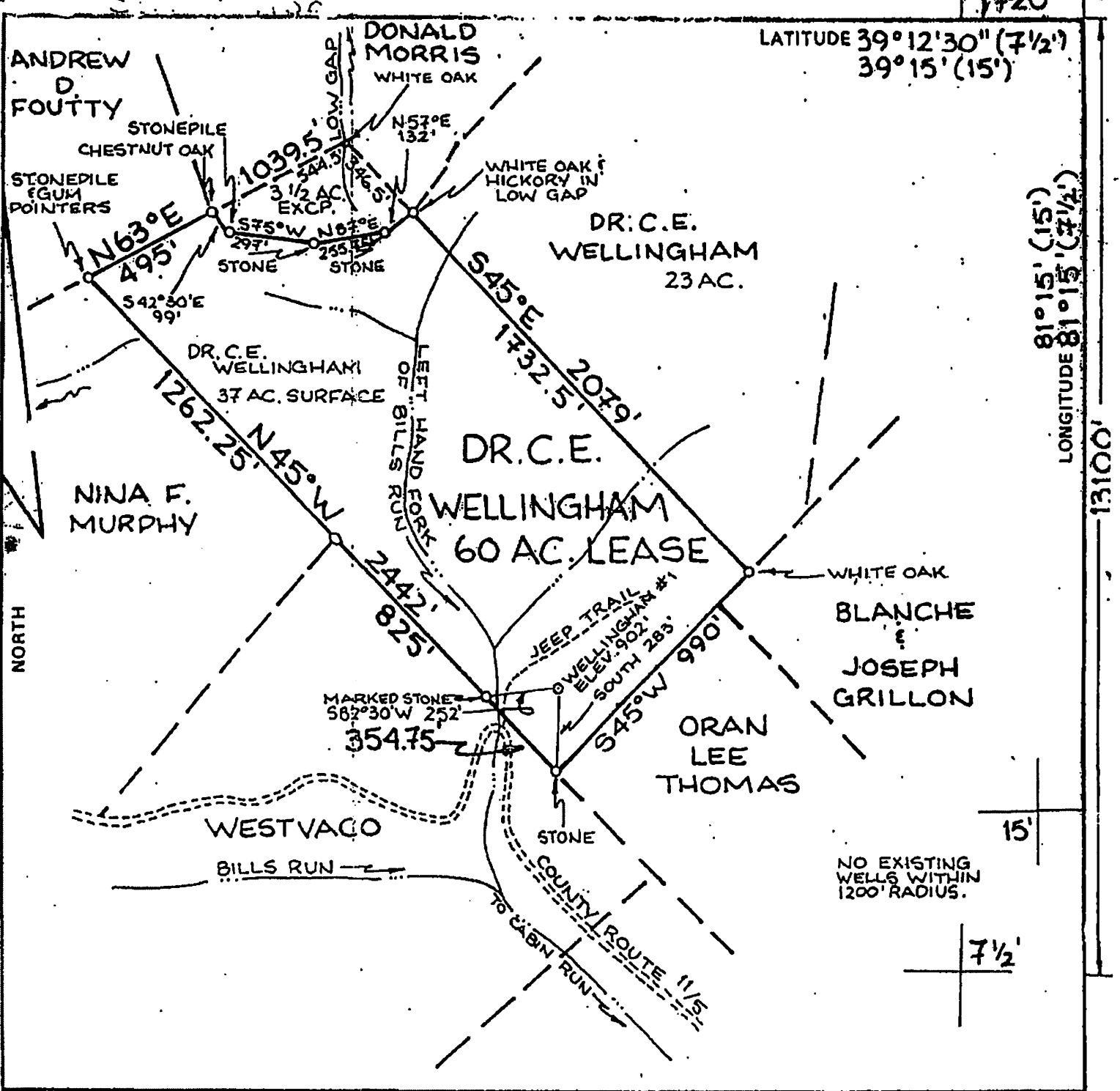
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SEP - 7 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR WORKING. . . VERBAL PERMISSION OBTAINED

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5950 feet
Depth of completed well 4920 feet Rotary / Cable Tools
Water strata depth: Fresh 85 feet; Salt 1250 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Huron/Benson Pay zone depth 4493-4851 feet
Gas: Initial open flow s/G Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 450 Mcf/d Final open flow 12 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 1250# psig (surface measurement) after 48 hours shut in
(If applicable, due to multiple completion--)
Second producing formation Huron/Benson Pay zone depth 4353-4612 feet
Gas: Initial open flow s/G Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 100 Mcf/d Oil: Final open flow 0 Bbl/d
Static rock pressure 1300# psig (surface measurement) after 48 hours shut in

Ritchie 5434



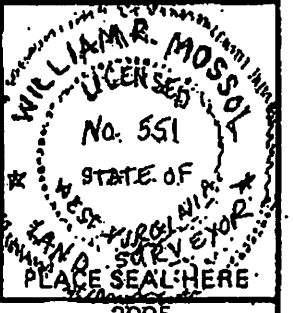
LATITUDE 39°12'30" (7 1/2')
39°15' (15')

LONGITUDE 81°15' (15')
81°15' (7 1/2')

001E1
1310E1

FILE NO. _____
DRAWING NO. _____
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 1112'

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.
(SIGNED) *William R. Mossol*
R.P.E. _____ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION; STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 902' WATER SHED LEFT HAND FORK OF BILLS RUN
DISTRICT GRANT COUNTY RITCHIE
QUADRANGLE PETROLEUM 7 1/2' QUAD
SURFACE OWNER Peggy, Max & Steve Burnside ACREAGE 37
OIL & GAS ROYALTY OWNER DR. C.E. WELLINGHAM LEASE ACREAGE 60
LEASE NO. _____
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 Injun ESTIMATED DEPTH 4920' Existing/Shale
WELL OPERATOR Prime Operating Company DESIGNATED AGENT Robert L. Blackburn
ADDRESS 714 1/2 Lee St E ADDRESS Same

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION
DATE April 21 2005
OPERATOR'S WELL NO. #1-1188
API WELL NO. WELLINGHAM
47 - 085 - 05434F
STATE COUNTY PERMIT
RIT 5434 F

NO EXISTING WELLS WITHIN 1200' RADIUS.

15'

7 1/2'

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Willingham 2218 (1188) _____
3) API Well No.: 47 - 085 - 05434

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>Peggy, Max and Steve Burnside</u> ✓	Name _____
Address <u>1521 Dupont Road Ste. 102</u>	Address _____
<u>Parkersburg, WV 26101</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Dave Cowen</u>	(c) Coal Lessee with Declaration
Address <u>RT 1 Box 202</u>	Name _____
<u>Harrisville, WV 26362</u>	Address _____
Telephone <u>304-389-3509</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.

RECEIVED
Office of Oil and Gas
Nov 1 2013
WV Department of
Environmental Protection



Well Operator Prime Operating Company
 By: [Signature]
 Its: Designated Agent/ District Manager
 Address 714 1/2 Lee Street East
Charleston, WV 25301
 Telephone 304-342-0121

Subscribed and sworn before me this 1st day of November 2013
Sara M Lyon Notary Public
My Commission Expires March 28, 2023

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.

SURFACE OWNER WAIVER

Operator's Well
Number

Willingham 2218 (1188)

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,

Hylen L Burnside Date 10/25/13 Name _____
Signature By _____
Mr E. Burnside Its _____
Peggy J Burnside Signature _____ Date _____

RECEIVED
Office of Oil and Gas
Department of Environmental Protection

OK 632290
100

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 Prime Operating Company OP Code 306837

Watershed Left Hand Fork of Bills Run Quadrangle Petroleum 7 1/2

Elevation 902' County Ritchie District Grant

Description of anticipated Pit Waste: Salt Water, Cementing Fluids and gel

Will a synthetic liner be used in the pit? Yes 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0873432)
- 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 Halsey M. Whitney

Company Official (Typed Name) Halsey M. Whitney

Company Official Title Designated Agent/ District Manager

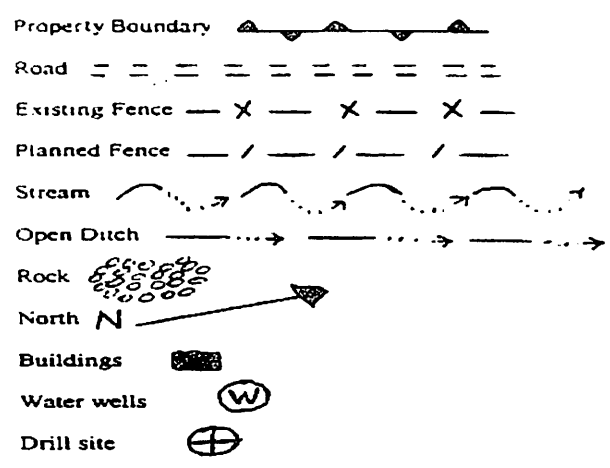
RECEIVED
Office of Oil and Gas
NOV 18 2013
WV Department of Environmental Protection

Subscribed and sworn before me this 1st day of November, 2013

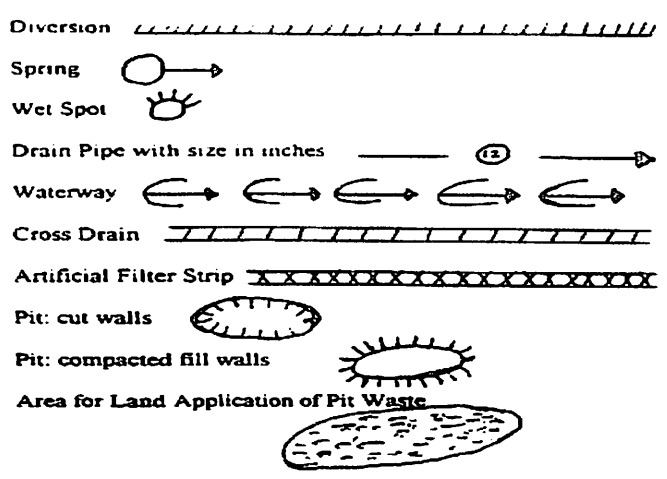
Sara M. Lyon Notary Public

My commission expires March 28, 2023





LEGEND



Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 6.5

Lime _____ Tons/acre or to correct to pH 6.5

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
KY 31 Fescue		50			

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

Photocopied section of involved 7.5' topographic sheet.

Office of Groundwater Protection
 NOV 18 2013

Plan Approved by: David Wilson

Comments: Redundant seed & mulch - clean up all old equipment and remove!

Title: oil & gas inspector

Date: 10-29-13

Field Reviewed? Yes No

8505434P

API# 47-085-05434

Willingham 1188

← → ↻ tagis.dep.wv.gov/convert/llutm_conus.php



Lon/Lat

Longitude: - 81 d 15 m 20.44 s

Latitude: + 39 d 10 m 20.49 s

DD: -81.255678 39.172358

Datum: NAD27 NAD83

UTM

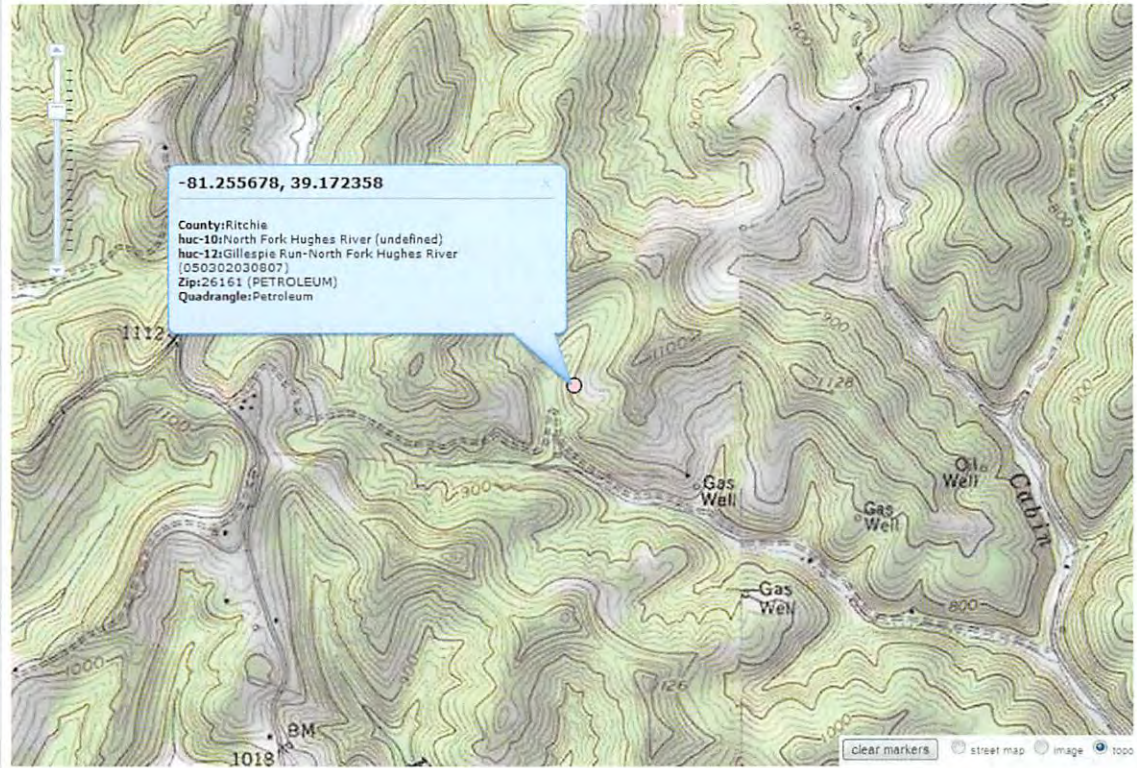
Coordinates: 477914.21 E 4335934.78 N

Datum: NAD27 NAD83 Zone: 17

State Plane (feet)

Coordinates: 1470782.97 E 249755.20 N

Datum: NAD27 NAD83 Zone: North



Received

NOV 26 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

WW-7
8-30-06



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

API: 47-085-05434 WELL NO.: 1188

FARM NAME: Willingham

RESPONSIBLE PARTY NAME: Prime Operating Company

COUNTY: Ritchie DISTRICT: Grant

QUADRANGLE: Petroleum

SURFACE OWNER: Peggy, Max and Steve Burnside

ROYALTY OWNER: Charles Willingham

UTM GPS NORTHING: 4335934.78

UTM GPS EASTING: 477914.21 GPS ELEVATION: 902' (274m)

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

Received

NOV 26 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

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.

Halsey M.
Whitney

Digitally signed by Halsey M. Whitney
DN: cn=Halsey M. Whitney, o=PrimeEnergy
Corporation, ou=Northeast,
email=hwhitney@primeenergy.com, c=US
Date: 2013.11.26 15:03:12 -0500

District Manager

11/26/2013

Signature

Title

Date

8505434P

Prime Operating Company

a subsidiary of Prime Energy Corporation

Eastern Oil Well Service Company

714-1/2 Lee Street East • Charleston, WV 25301
(304) 342-0121 • FAX (304) 343-7019

November 12, 2013

Justin Nottingham
Environmental Technician
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

RE: Application to Plug and Abandon

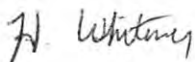
Dear Mr. Nottingham,

Enclosed please find an Application to Plug and Abandon, as well as, a check for one hundred dollars to cover the Pit Permit.

I would appreciate your earliest attention to these applications.

Please let me know if you have any question.

Sincerely,



Halsey M. Whitney
District Manager

RECEIVED
Office of Oil and Gas
NOV 28 2013
U.S. DEPARTMENT OF
ENVIRONMENTAL PROTECTION

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Wayman W. Buchanan
Address San Antonio, TX 78205
Telephone 1-512-223-3897
Landowner Dr. C. E. Willingham

Designated Agent Jim P. Morris
Address Charleston, WV 25301
Telephone 1-345-6631
Soil Conservation District Little Kanawha

Revegetation to be carried out by Unknown (Agent).
This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan. 12-22-81 (Date) Jarrett Newton (SCD Agent)

Access Road

Structure Culvert (A)
Spacing 16" OD
Page Ref. Manual I:8

Structure Ditch (B)
Spacing earthen
Page Ref. Manual I:11

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Location

Structure Diversion Ditch (1)
Material earthen
Page Ref. Manual I:9

Structure _____
Material **RECEIVED**
Page Ref. Manual _____

Structure _____ DEC 23 1981 (3)
Material _____
Page Ref. Manual **OIL AND GAS DIVISION**
WV DEPARTMENT OF MINES

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I

Lime _____ Tons/acre
or correct to pH 6.5

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

Mulch Hay (straw) 2 Tons/acre
Seed* Ky. 31 40 lbs/acre
alsike clover 4 lbs/acre
annual rye 4 lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

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

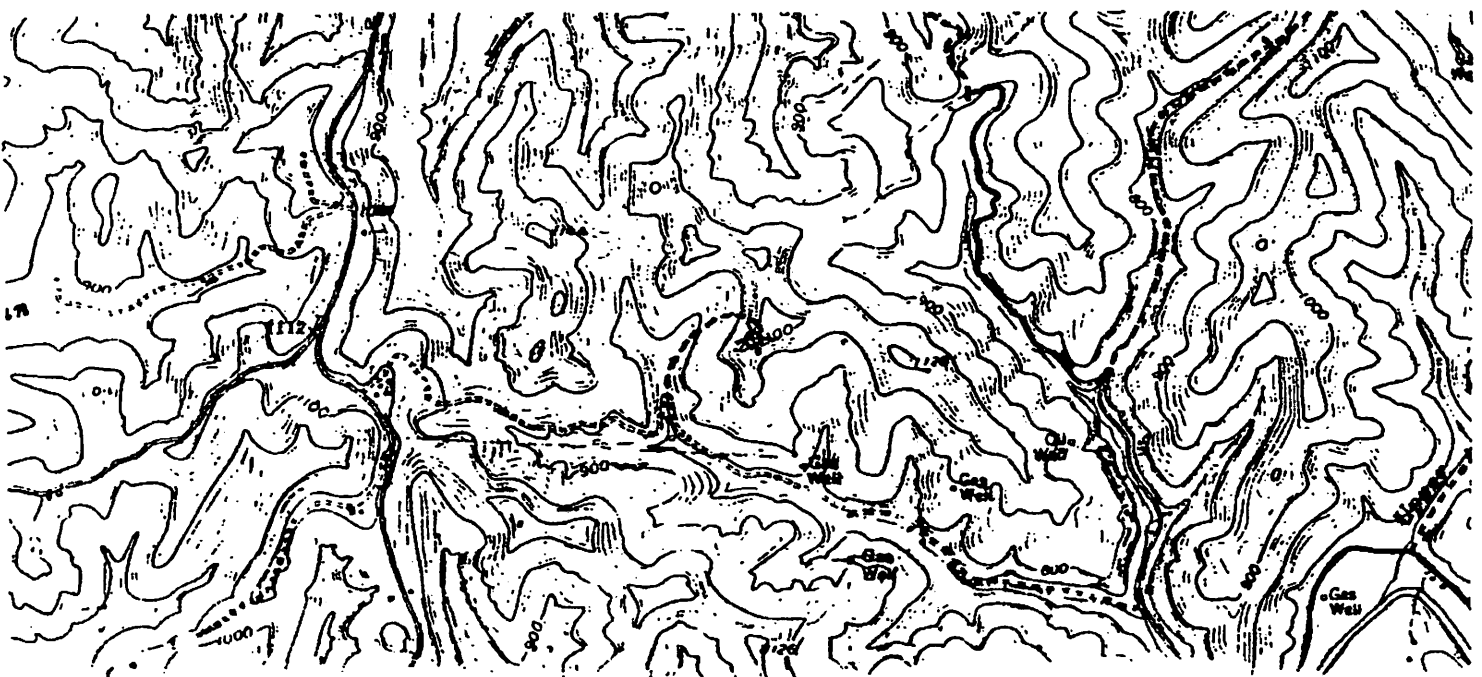
Mulch Hay (straw) 2 Tons/acre
Seed* Ky. 31 40 lbs/acre
alsike clover 4 lbs/acre
annual rye 4 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.
Innoculate with 3X recommended amount.

ALL TIMBER WILL BE CUT AND STACKED BEFORE DOZER WORK BEGINS. ALL TOPS AND BRANCHES
WILL BE REMOVED FROM LOCATION AND ROAD.

Attach or photocopy section of involved Topographic map. Quadrangle Petroleum 7.5'

Legend: ⊕ Well Site
— Access Road

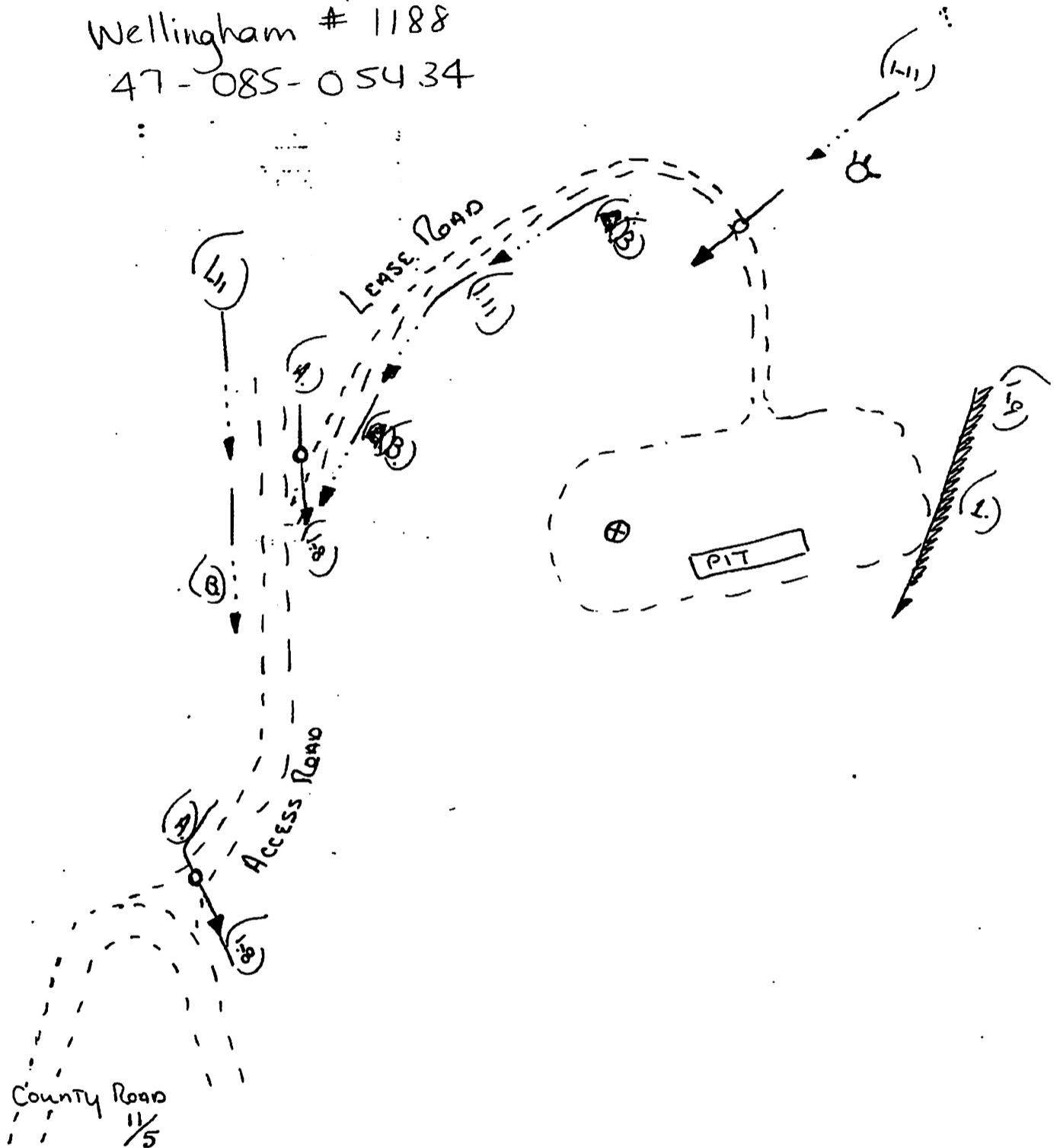


Well Site Plan

- Legend:
- | | | | |
|-------------------|--|------------|--|
| Property Boundary | | Diversion | |
| Road | | Spring | |
| Existing Fence | | Wet Spot | |
| Planned Fence | | Building | |
| Stream | | Drain Pipe | |
| Open Ditch | | Waterway | |

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.

Wellingham # 1188
47-085-05434

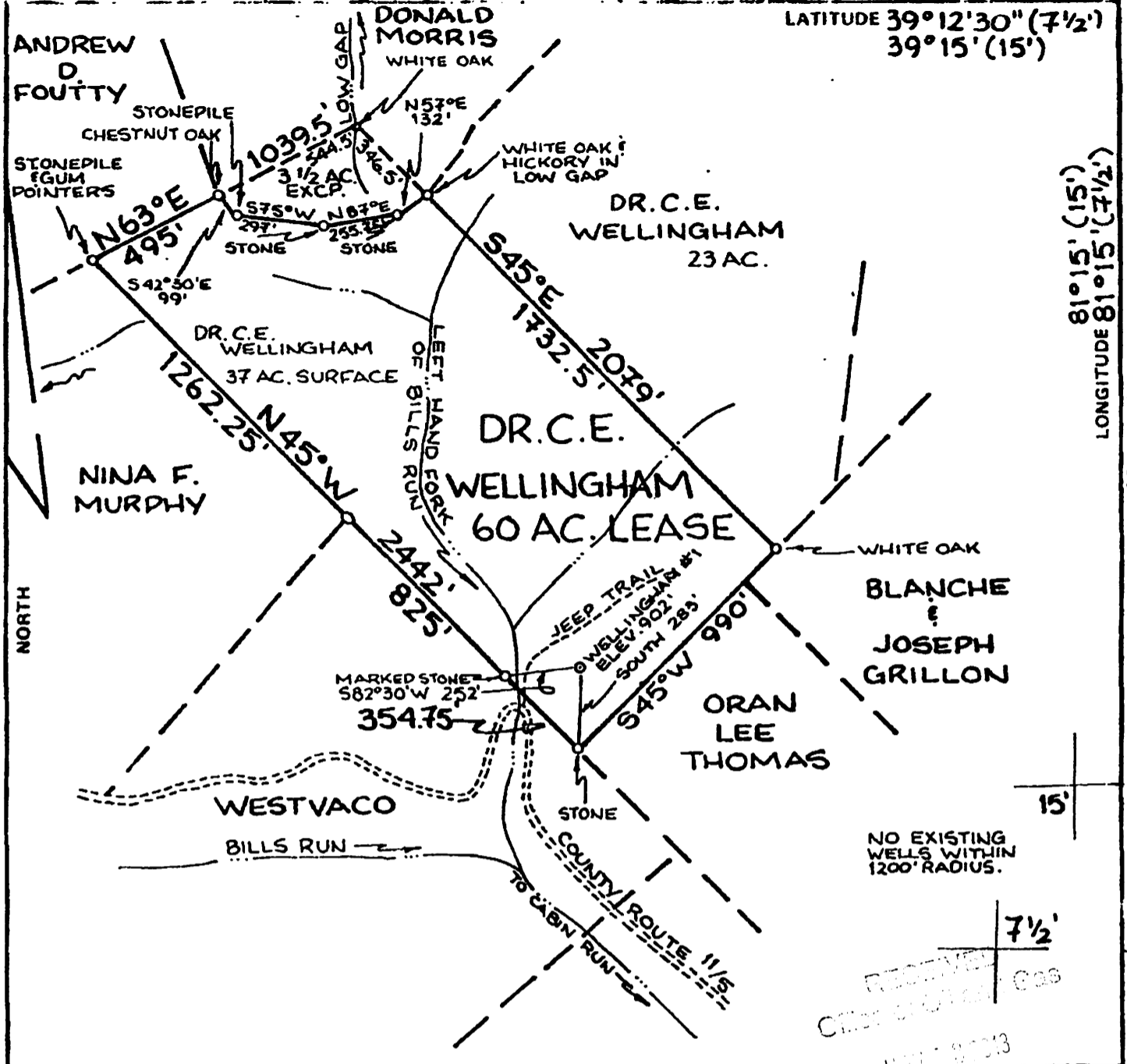


Comments: Reclamation will commence within four (4) months after completion of the well.

Signature: JIM P. MORRIS 414 Peoples Bldg., Charleston, WV 25301 1-345-6631
Agent Address Phone Number

Please request landowners cooperation to protect new seeding for one growing season.

870543A



LATITUDE 39°12'30" (7 1/2')
39°15' (15')

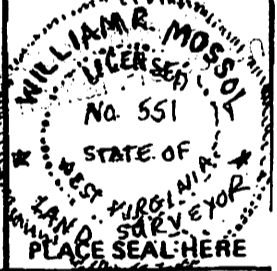
LONGITUDE 81°15' (15')
81°15' (7 1/2')

NO EXISTING WELLS WITHIN 1200' RADIUS.

RECEIVED
CREDIT
APR 21 2005

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 112'

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.
 (SIGNED) *William R. Mossol*
 R.P.E. _____ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE April 21 2005
 OPERATOR'S WELL NO. #1-1188
 API WELL NO. WELLINGHAM
 47 - 085 - 05434
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 902' WATER SHED LEFT HAND FORK OF BILLS RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE PETROLEUM 7 1/2' QUAD.
 SURFACE OWNER Peggy, Max & Steve Burnside ACREAGE 37
 OIL & GAS ROYALTY OWNER DR. C.E. WELLINGHAM LEASE ACREAGE 60
 LEASE NO. _____

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 Injun ESTIMATED DEPTH 4920' Existing/Shale
 WELL OPERATOR Prime Operating Company DESIGNATED AGENT Robert L. Blackburn
 ADDRESS 714 1/2 Lee St E ADDRESS Same
 Charleston WV 25301