



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

October 22, 2013

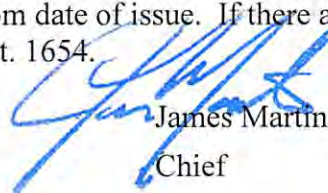
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9500692, issued to SANCHO OIL & GAS CORPORATION, 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: MOORE #1
Farm Name: MOORE, THOMAS ,. ET AL
API Well Number: 47-9500692
Permit Type: Plugging
Date Issued: 10/22/2013

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.

1) Date Aug. 28, 2013
2) Operator's Well No. B. Moore #1
3) API Well No. 47-095-0692

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 872' Watershed South Fork of Sugar Creek
District meade 04 County Tyler 95 Quadrangle Middlebourne 470

6) Well Operator Sancho Oil & Gas 7) Designated Agent Loren Bagley
Address P.O. Box 179 Address P.O. Box 179
St. Marys, WV 26170 St. Marys, WV 26170

8) Oil and Gas Inspector to be notified Name Joe Taylor
Address _____
9) Plugging Contractor Name Patchwork Oil & Gas LLC
Address 8165 Elizabeth Pike
Elizabeth, WV 26143

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

Schematic attached

ALL CEMENT PLUGS
ARE CLASS A CEMENT
W/ NO MORE THAN 3% CaCl₂

JMM

IF BRIDGE PLUGS ARE ENCOUNTERED AT 2000' AND 2550',
DRILL THEM OUT. COVER THE 24 PERFORATIONS WHICH
ARE FROM 2738' - 2957' WITH CLASS A CEMENT WITH
NO MORE THAN 3% CaCl₂ AND NO OTHER ADDITIVES. THIS PLUG
WILL BE PLUG 1 2978' - 2700'. RUN AT LEAST 60%
GEL FROM 2700' - 1950'. THEN SET PLUG 2 FROM
1950' - 1850'. GEL HOLE TO 800' AND CUT AND REMOVE
4 1/2" CASING FROM 750' (TOC) TO SURFACE. PLACE PLUG 3
50' ABOVE AND 50' BELOW CASING CUT FROM 800' - 700'.
GEL HOLE FROM 700' - 100' AND SET PLUG 4 FROM 100' TO
SURFACE

SET MONUMENT

OCT 03 2013

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

WV Department of
Environmental Protection

Work order approved by inspector

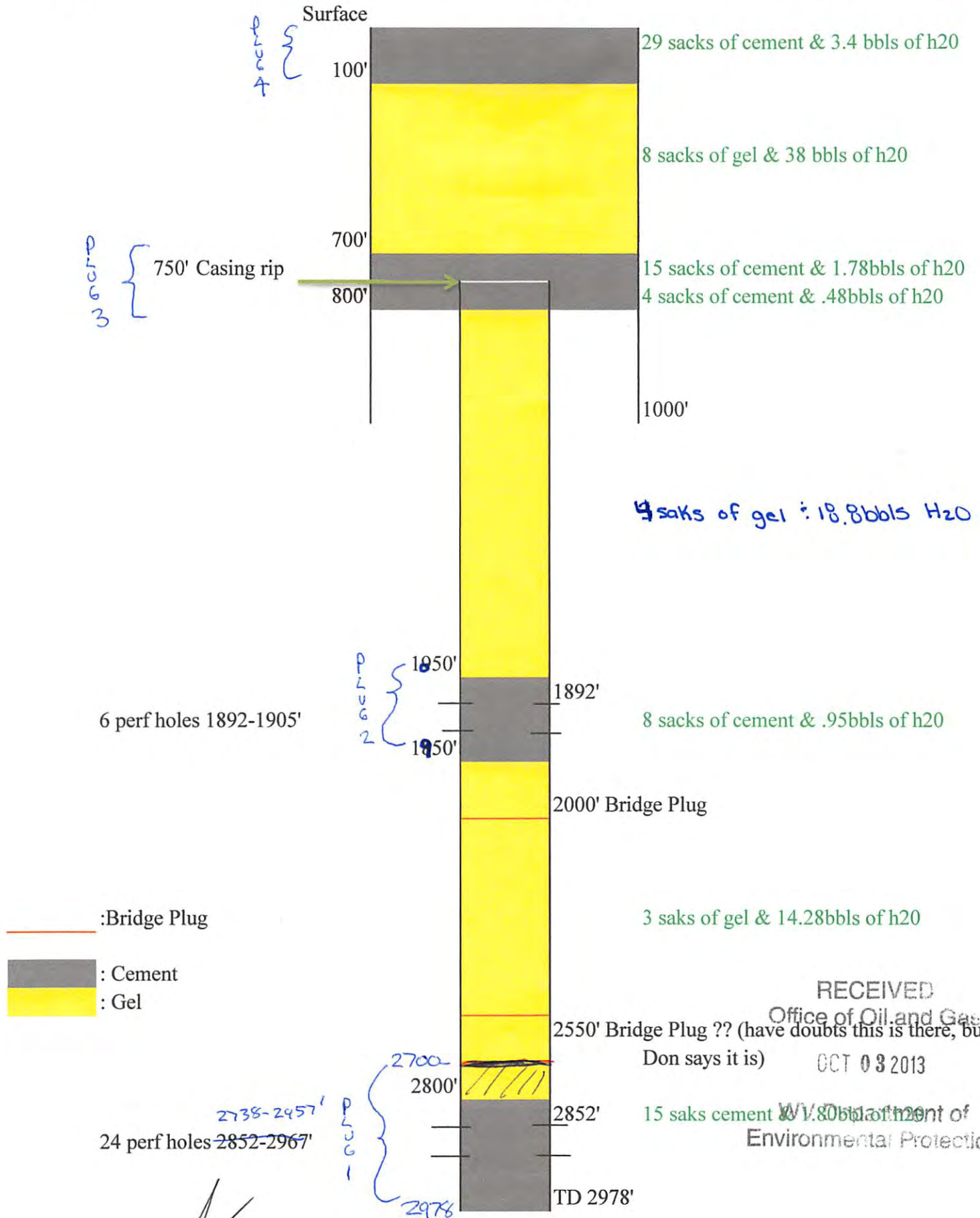


Date 9-7-13

8 5/8 Casing
4 1/2 Tubing

B. Moore #1
API: 47-095-0692 P

Cement Gel is mixed to state standards
71 bags of cement 15 bags of gel



— : Bridge Plug
 — : Cement
 — : Gel

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 WV Department of
 Environmental Protection

10/25/2013



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 79

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FEB 22 1980

OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Middlebourne
Permit No. 47-095-0692

Company C. W. Riggs, Inc.
Address St. Marys, W. Va.
Farm Betty Moore Acres 263
Location (waters) Sugar Creek
Well No. 1 Elev. 971'
District Meade County Tyler
The surface of tract is owned in fee by Betty Moore
Address Middlebourne W. Va.
Mineral rights are owned by Betty Moore
Address Middlebourne
Drilling Commenced 8-18-79
Drilling Completed 8-23-79
Initial open flow 24000 cu. ft. _____ bbls.
Final production 3000 cu. ft. per day _____ bbls.
Well open 2 1/2 hrs. before test 500 # RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13(10)	250'	250'	
9 5/8			
8 5/8	1007"	1007'	
7			
5 1/2			
4 1/2		2978'	455 sk's
3			
2			
Lines Used			

Attach copy of cementing record.

Perforations: 2738' - 2957' 24 shots
Fracture Treatment
1500 BBL H₂O, 100,000 # SAND, 125,000 M₂

Coal was encountered at N/A Feet _____ Inches _____
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand Gordon Stray, Gordon, 4th Sand Depth 2720 - 2958

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
<u>COV RUN</u>						
1st	SALT SAND		1425'	1492'		* TOP LOG
2nd	SALT SAND		1524'	1563'		
3rd	SALT SAND		1584'	1601'		
	Maxon		1653'	1709'		
	Big Lime		1812'	1884'		
	Keener		1868'	1885'		
	Injun		1902'	2047'		
	Squaw		2048'	2066'		
	Welch Stray		2210'	2240'		
	Berea		2347'	2363'		
	50 FOOT		2495'	2549'		
	30 FOOT		2641'	2674'		

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WV Department of
Environmental Protection

* Indicates Electric Log tops in the remarks section.

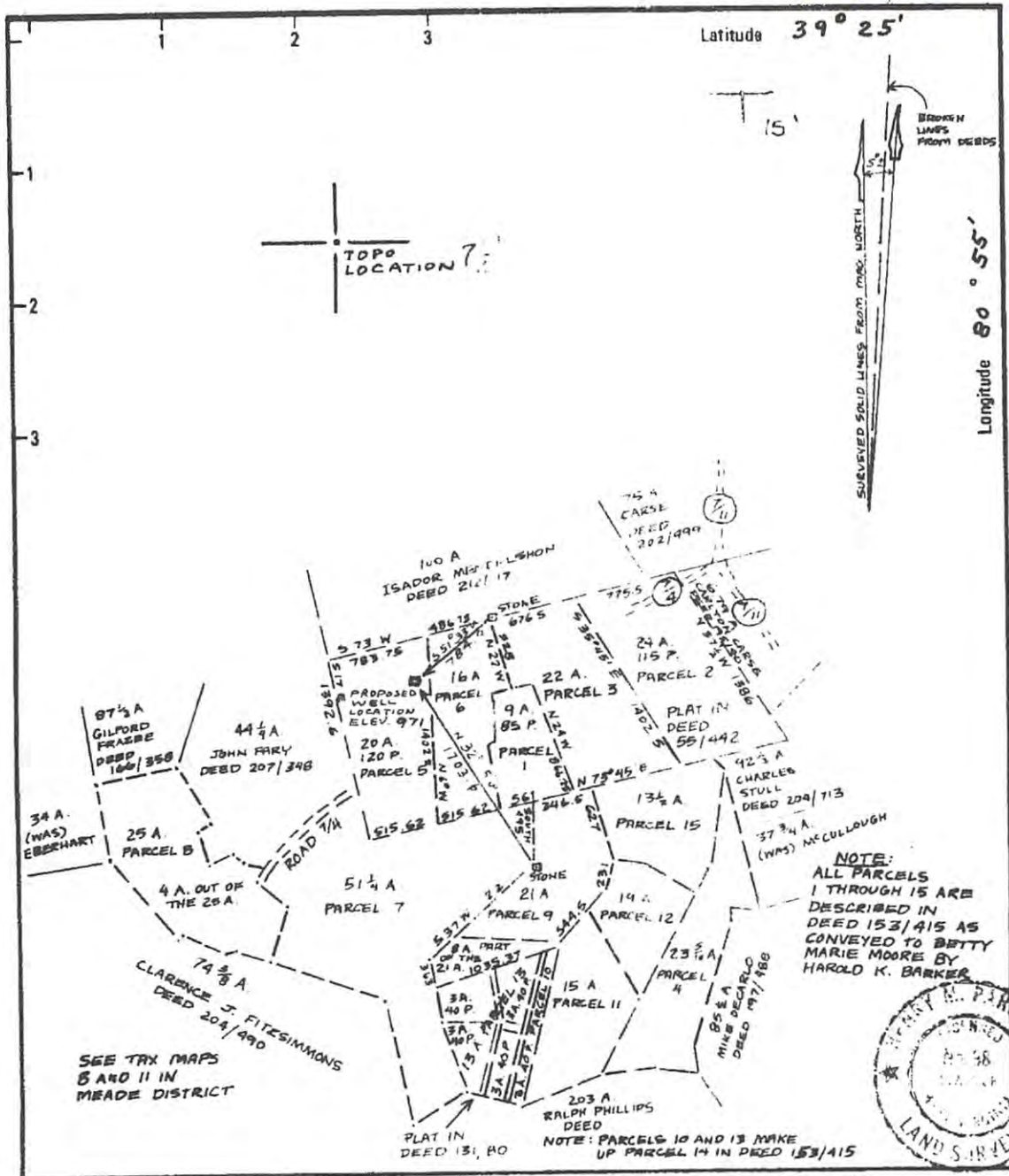
(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
GORDAN STRAY			2720'	2798'	GAS	
GORDON			2844'	2960'	GAS	
4th SAND			2947'	2958'	GAS	

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OCT 03 2013

Date Feb 8 WV Department of Environmental Protection
APPROVED C.W. A. 943, Inc. Owner
By John Schneider

CK#5748
30000
=3



Minimum Error of Closure: METHODS USED SHOULD PRODUCE 1 IN 2500
 Source of Elevation B13 AT WICK ROAD AND SOUTH FORK ROAD INTERSECTION.
 EAST OF THE VILLAGE OF WICK SHOWN ON THE MIDDLEBOURNE TOPO MAP.
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. *Henry M. Parsons*

New Location
 Drill Deeper
 Abandonment

Company C.W. RIGGS, INC.
 Address BOX 358, ST. MARYS, W.VA.
 Farm BETTY MARIE MOORE (PAR #5)
 Tract _____ Acres 2.63 Lease No. _____
 Well (Farm) No. MOORE #1 Serial No. _____
 Elevation (Spirit Level) 971
 Quadrangle MIDDLEBOURNE, WEST UNION 15'
 County TYLER District MEADE
 SURVEYOR HENRY M. PARSONS
 Engineer's Registration No. 98
 File No. 79-5358 Drawing No. 79-5358
 Date MAY 21, 1979 Scale 1" = 1000'

RECEIVED
 Office of Oil and Gas
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 OCT 03 2013
 WELL LOCATION MAP
 FILE NO. 47-095-0692
 Department of Environmental Protection

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

10/25/2013

95 00692P

WW-4A
Revised 6-07

1) Date: Aug 28 2013
2) Operator's Well Number Bo Moore #1
3) API Well No.: 47 - 095 - 0692

**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>THOMAS W. MOORE ETAL</u>	Name _____
Address <u>RACHELLE ANNE MOORE</u>	Address _____
<u>560 Six Mile Run Rd PARSBURG WV 26104</u>	
(b) Name <u>CAROL SUE MOORE</u>	(b) Coal Owner(s) with Declaration
Address <u>441 Twin Hickory Rd</u>	Name _____
<u>MIDDLEBOURNE WV 26149</u>	Address _____
(c) Name <u>Peggy Lee Shields</u>	Name _____
Address <u>441 Twin Hickory Rd</u>	Address _____
<u>MIDDLEBOURNE WV 26149</u>	
6) Inspector	(c) Coal Lessee with Declaration
Address <u>Joseph Taylor</u>	Name _____
<u>1478 claylick Rd.</u>	Address _____
Telephone <u>304-380-7469</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 SANCHO OIL & GAS
 By: JANET E. BLY
 Its: PRESIDENT
 Address P.O. Box 179
ST MARYS WV 26170
 Telephone 304-684-7170

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Office of Oil and Gas

Subscribed and sworn before me this 26th day of September 2013
Janet Woodburn
 My Commission Expires 2/26/17

Notary Public



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 depprivacyofficer@wv.gov.

10/25/2013

WW-4B

API No. 47-095-0692

Farm Name B. Moore

Well No. #1

**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: 9/20/13

Sancho Oil & Gas
By: Jaren E Bayley
Its President

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OCT 03 2013

WV Department of
Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

B. Moore #1

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.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Thomas W Moore
Signature
Rashida A. Moore
Leggy Lee Shields
Carol Sue Moore

Date 9/23/13

Name Sancho Oil & Gas
By Loren E. Bayley
Its President
Signature _____
Date 9/20/13

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10/25/2013

95 00692P

WW-9
Rev. 5/08

Page 1 of
API Number 47 - 095 - 0692
Operator's Well No. B.moore #1

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 Sancho Oil & Gas, LLC OP Code 77

Watershed South Fork of Sugar Creek Quadrangle Middlebourne, West Union 15'

Elevation 872' County Tyler District meade

Description of anticipated Pit Waste: Cement water : water

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 _____)
- 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 Karen E Bagley
Company Official (Typed Name) LOREN E BAGLEY
Company Official Title President

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Office of Oil and Gas
OCT 03 2013

Subscribed and sworn before me this 26th day of September, 2013

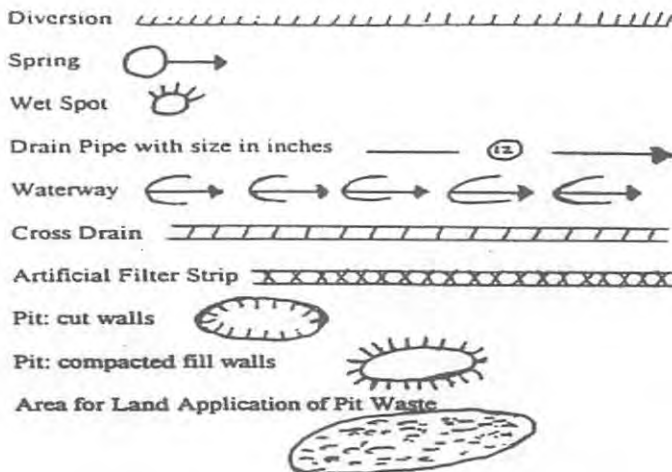
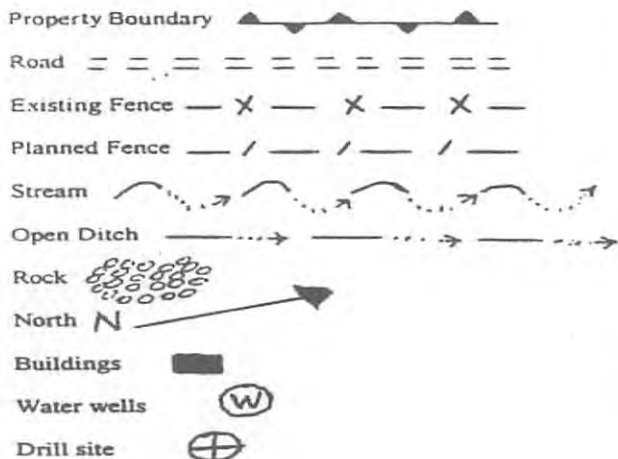
Janet Woodburn

My commission expires 2/26/2017



10/25/2013

LEGEND



Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
clover / Timothy / Alphalpa (Deer mix)					
As per former.					

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: must pull all as much 4 1/2 as possible

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OCT 03 2013

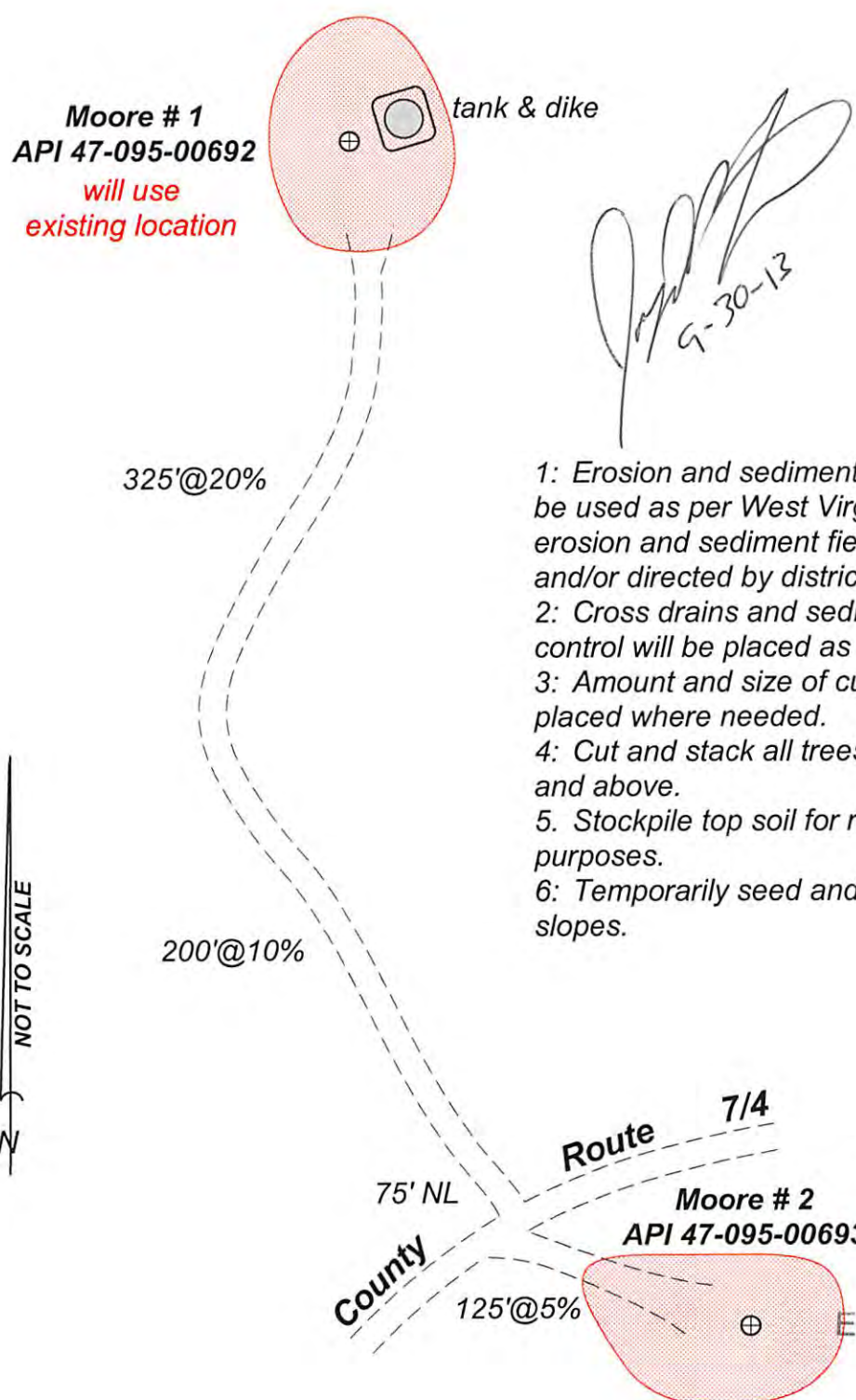
Title: Inspector

Date: 9-30-13

WV Department of Environmental Protection

Field Reviewed? Yes No

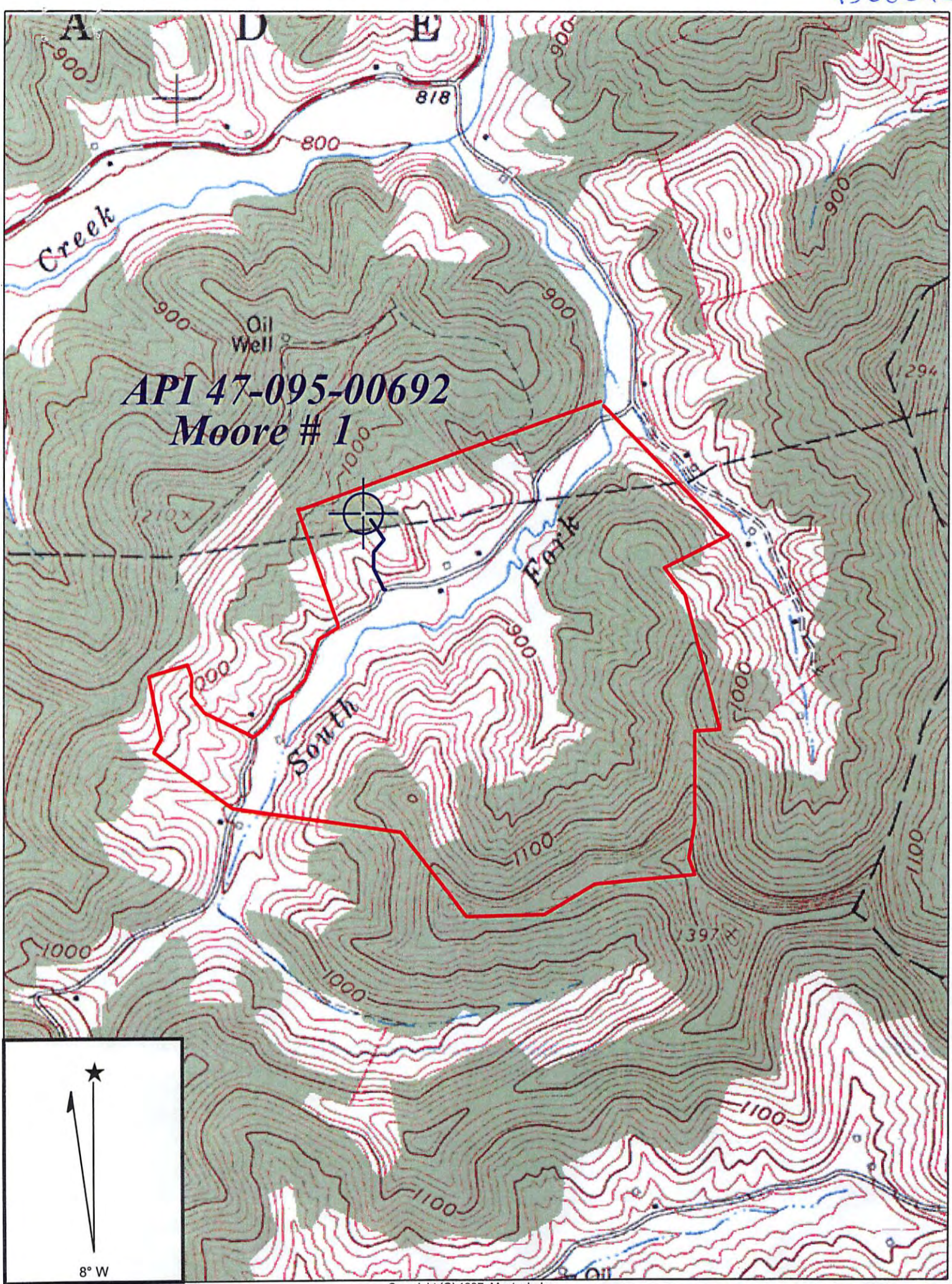
Sancho Oil & Gas
Well: Moore #1 API 47-095-00692
Well: Moore #2 API 49-095-00693
Betty Marie Moore 263 Acre Lease
Meade District Tyler County
West Virginia



- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

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 Office of Oil and Gas
will use existing location in nearly flat field
 WV Department of Environmental Protection
 tank & dike

10/25/2013



Copyright (C) 1997, Maptech, Inc.

MIDDLEBOURNE QUADRANGLE

SCALE 1" = 1000'

SANCHO OIL & GAS

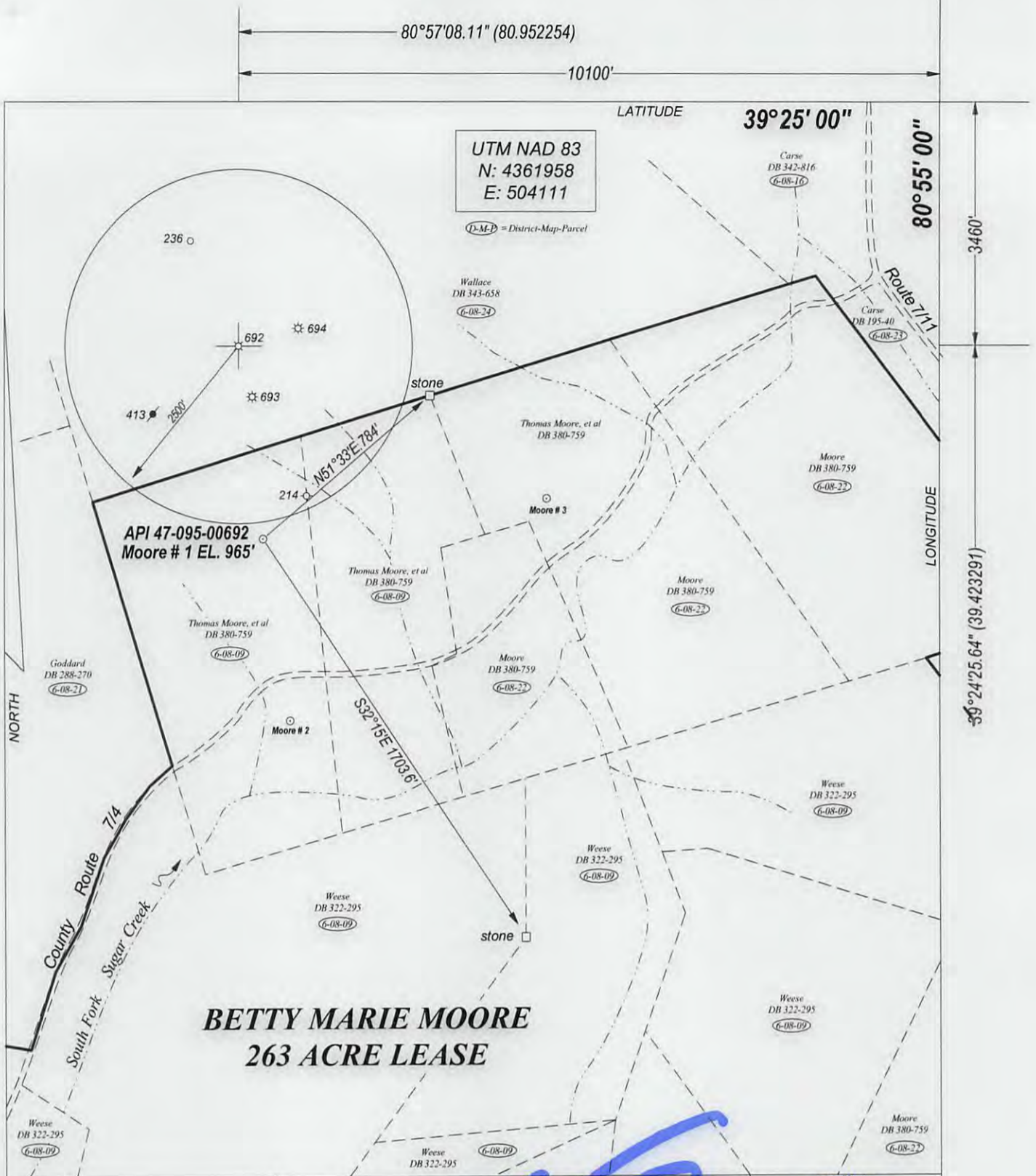
WELL: MOORE #1 API 47-095-00692
BETTY MARIE MOORE 263 ACRE LEASE

MEADE DISTRICT TYLER COUNTY WEST VIRGINIA

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Office of Oil and Gas

OCT 03 2013

WV Dept. of Environmental Protection
10/25/2013



**BETTY MARIE MOORE
263 ACRE LEASE**

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 : 200
 PROVEN SOURCE OF ELEVATION GPS
 OBSERVATION

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) _____
 PROFESSIONAL SURVEYOR: 551



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

DATE SEPTEMBER 10TH, 2013
 OPERATORS WELL NO. MOORE # 1

API 47 - 095 - 00692
 STATE COUNTY PERMIT

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

LOATION: ELEVATION 872' WATER SHED SOUTH FORK OF SUGAR CREEK
 DISTRICT MEADE COUNTY TYLER QUADRANGLE MIDDLEBOURNE

SURFACE OWNER THOMAS MOORE, ET AL ACREAGE 20 ACRE 120 POLE
 OIL & GAS ROYALTY BETTY MARIE MOORE LEASE AC. 263

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___
 FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
 PERFORATE NEW FORMATION ___
 OTHER PHYSICAL CHANGE IN WELL ___
 PLUG AND ABANDON CLEAN OUT AND REPLUG ___

TARGET FORMATION BEREA ESTIMATED DEPTH 2978'

WELL OPERATOR SANCHO OIL & GAS DESIGNATED AGENT LOREN BAGLEY
 ADDRESS P. O. BOX 179 ADDRESS P. O. BOX 179
ST. MARYS, WV 26170 ST. MARYS, WV 26170

10/25/2013

FORM WW - 6

COUNTY NAME
 PERMIT