



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 07, 2013

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-1705149, issued to MARSHALL 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: ROBINSON 11
Farm Name: ROBINSON, RICHARD
API Well Number: 47-1705149
Permit Type: Re-Work
Date Issued: 08/07/2013

Promoting a healthy environment.

08/09/2013

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Marshall Gas and Oil 494464966 Doddridge New Milton New Milton
Operator ID County District Quadrangle

2) Operator's Well Number: Robinson #11 3) Elevation: 886.89'

4) Well Type: (a) Oil or Gas
(b) If Gas: Production / Underground Storage _____
Deep _____ / Shallow

5) Proposed Target Formation(s): Gordon Proposed Target Depth: 2850ft

6) Proposed Total Depth: _____ Feet Formation at Proposed Total Depth: 2850ft

7) Approximate fresh water strata depths: 50'

8) Approximate salt water depths: 1079'

9) Approximate coal seam depths: n/a

10) Approximate void depths, (coal, Karst, other): n/a

11) Does land contain coal seams tributary to active mine? no

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Stimulate (rework) addition formations in existing well.

*DCN
4-30-2013*

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	
Conductor						
Fresh Water	85/8	ERW	20	879'	879'	CTS
Coal						
Intermediate						
Production	4 1/2	ERW	9.5	5600'	5600'	580 cft
Tubing						Office of Oil & Gas
Liners						

Packers: Kind: _____
Sizes: _____
Depths Set _____

★ PLEASE NOTE THE CASING PROGRAM ON THE WR-35 IS DIFFERENT. IT ALSO SHOWS THE GORDON 2570-2585'

1705149R

WR-35

DATE: 03-03-2006
API #: 47-017-05149

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

Well Operator's Report of Well Work

Farm name: Robinson Operator Well No.: 11

LOCATION: Elevation: 879 Quadrangle: New Milton

District: New Milton County: Doddridge
Latitude: 6050 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 3420 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: Marshall Oil & Gas Corp.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>2209 Lake Heather Circle</u> <u>Birmingham, AL 35242</u>	<u>16</u>	<u>30</u>	<u>30</u>	
Agent: <u>Scott Wilson</u>	<u>11-3/4</u>	<u>132</u>	<u>132</u>	<u>77 CuFt</u>
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>8-5/8</u>		<u>1635</u>	<u>1635</u>	<u>518 CuFt</u>
Date Well Work Commenced: <u>02-03-06</u>				
Date Well Work Completed: <u>02-16-06</u>	<u>4-1/2</u>		<u>5333</u>	<u>619 CuFt</u>
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XX</u> Cable <u>Rig</u>				
Total Depth (feet): <u>5352</u>				
Fresh Water Depth (ft.): <u>29</u>				
Salt Water Depth (ft.): <u>NR</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>None</u>				

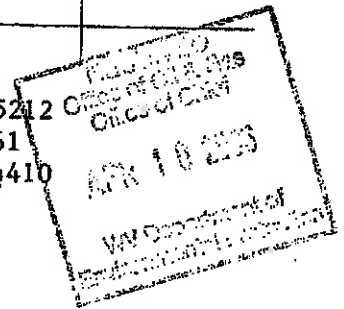
OPEN FLOW DATA Alexander Benson 5099-5212
4851-61
Pay zone depth (ft) 4369-4410

Producing formation Riley
Gas: Initial open flow Show MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 610 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests 12 ~~HOURS~~ Days
Static rock Pressure 1820 psig (surface pressure) after 48 Hours

Second producing formation Balltown 3676-3981
Warren Pay zone depth (ft) 3220-3345
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

* All formations co-mingled
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: Robert Post
Date: 3/26/06



08/09/2013

0000 5149

TREATMENT:

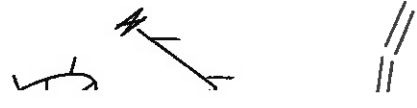
- Stage #1: Alexander; 5108-5207 (13Holes) 500 GA, 60,000# 20/40 Sand & 803 Bbls
60 Quality Foam
- Stage #2: Benson; 4853-56 (13 Holes) 750 GA, 30,000# 20/40 Sand & 525 Bbls 60
Quality Foam
- Stage #3: Riley and Balltown; 3678-4407 (13 Holes) 1000 GA, 5,000# 80/100 &
25,000# 20/40 Sand & 615 Bbls 60 Quality Foam
- Stage #4: Warren; 3222-3343 (14 Holes) 750 GA, 50,000# 20/40 Sand & 651 Bbls
60 Quality Foam

FORMATIONS:

sub	0-10
rr-sd-sh	10-1840
L Lime	1840-1860
B Lime	1860-2030
B Inj	2030-2090
sd-sh	2090-2570
Gordon	2570-2585
sd-sh	2585-3285
Warren	3285-3370
sd-sh	3370-3670
Balltown	3670-3750
sd-sh	3750-4383
Riley	4383-4455
sd-sh	4455-4870
Benson	4870-5000
sd-sh	5000-5131
Alexander	5131-5220
sd-sh	5220-5352
RTD	5352

1705149

ALT. PIT



1705149

1705149R

WW-2A
(Rev. 6-07)

1.) Date: April 3, 2013

2.) Operator's Well Number Robinson #11

State 47- County 017 Permit 05149

3.) API Well No.:

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

Check # 1397
\$ 650.00

4) Surface Owner(s) to be served:

(a) Name Gary Robinson ✓
Address 137 South Courtenay Parkway, Box 1194
Merritt Island, FL 32952

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Sam Ward
Address PO Box 2327
Buckhannon, WV 26201
Telephone 304-389-7583

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- Personal Service (Affidavit attached)
- x Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator Marshall Gas and Oil
By: [Signature]
Its: President
Address PO Box 381087
Birmingham, AL 35238
Telephone 205-408-0909

Subscribed and sworn before me this 3 day of April, 2013

[Signature: Herikl. Cardwell]

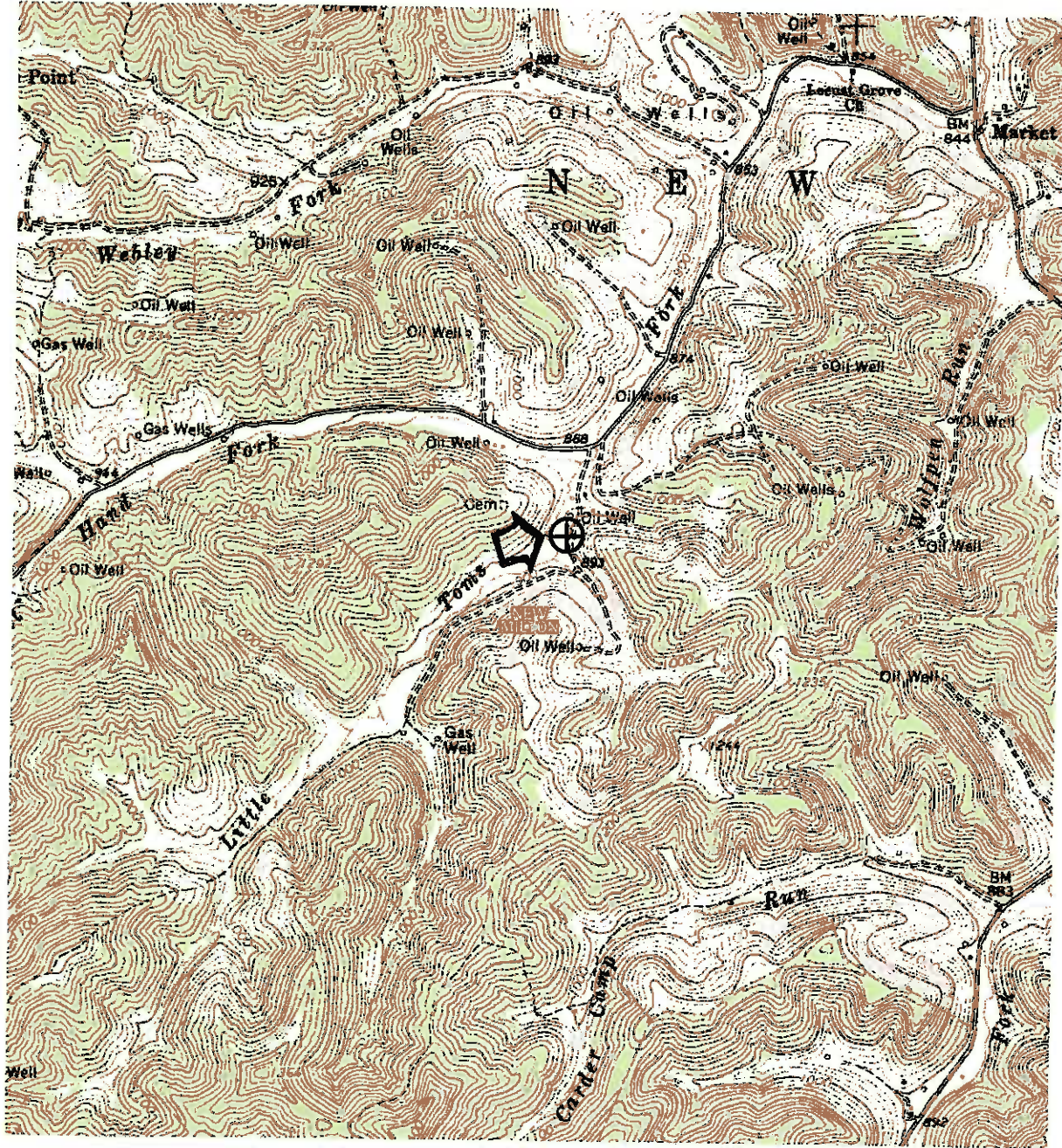
Notary Public

08/09/2013

My Commission Expires April 4, 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 depprivacyofficer@wv.gov



DCW
4-30-2013

DRAWINGS TO ACCOMPANY FORM WW-9

MARSHALL OIL & GAS CORP.

P. O. BOX 381087

BIRMINGHAM, AL 35238-1087

Office of Oil & Gas

WATERSHED: LITTLE TOMS FORK

DISTRICT: NEW MILTON COUNTY: DODDRIDGE

QUADRANGLE: NEW MILTON WELL NO.: ROBINSON NO. 11

DATE: 11/07/11 PAGE of

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 5762

08/09/2013

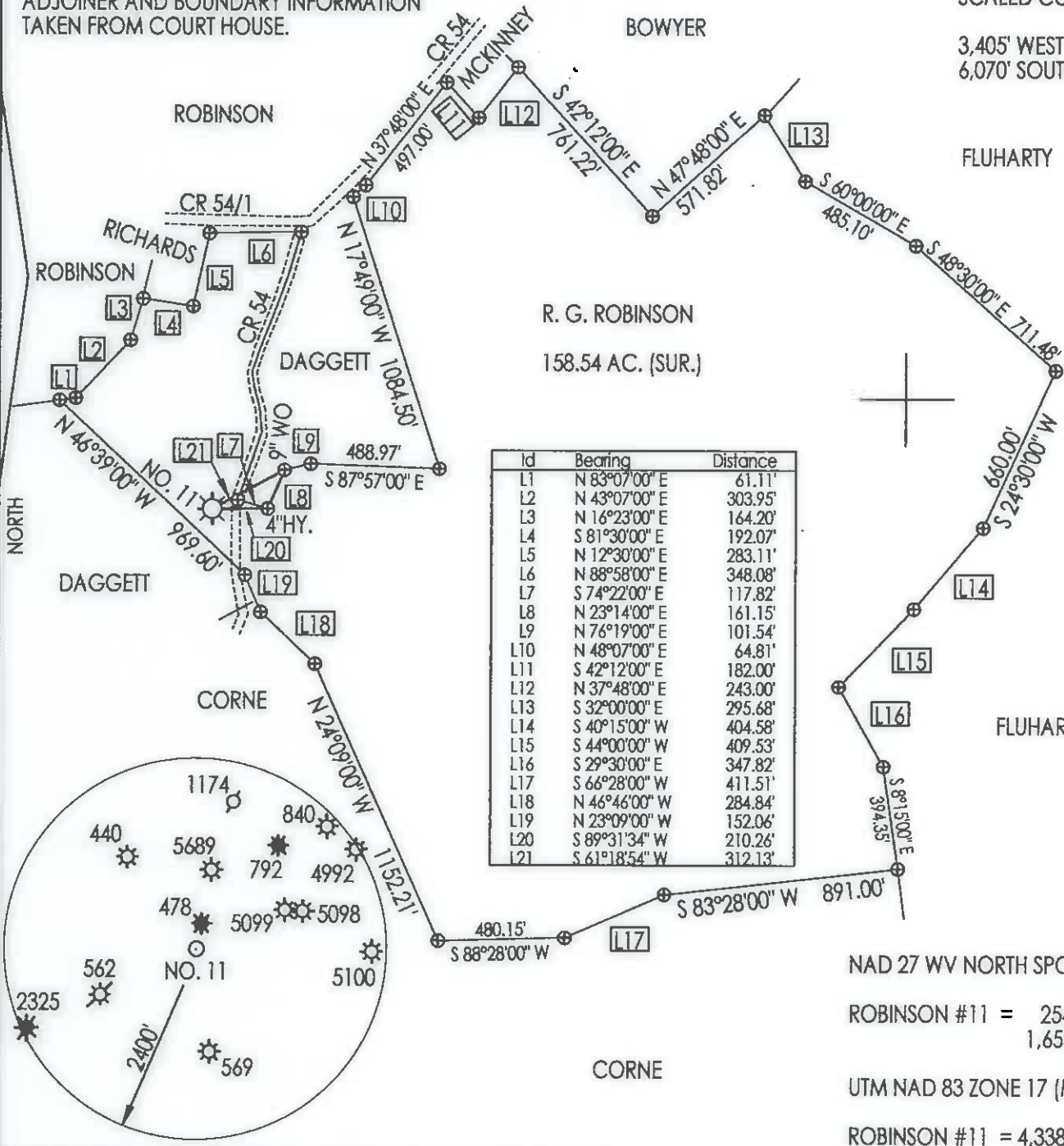
NOTES: COORDINATES, WELL AND CORNER TIES FROM DGPS SUBMETER SURVEY. SURFACE, ADJOINER AND BOUNDARY INFORMATION TAKEN FROM COURT HOUSE.

LATITUDE 39-12-30

SCALED COOR.:

3,405' WEST
6,070' SOUTH

LONGITUDE 80-42-30



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

NAD 27 WV NORTH SPC:

ROBINSON #11 = 254,260.46'
1,654,116.82'

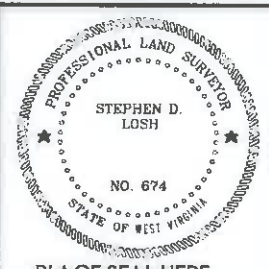
UTM NAD 83 ZONE 17 (METERS):

ROBINSON #11 = 4,338,090.85 m
524,164.67 m

FILE NUMBER: _____
 DRAWING NUMBER: MOGROBSN11.PCS
 SCALE: 1" = 600'
 MINIMUM DEGREE OF ACCURACY: SUBMETER
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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) _____
 STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 MCKINNEY ROAD
 NITRO, WV 25143-2506

LAND SURVEYING SERVICES
 21 CEDAR LANE, BRIDGEPORT, WV 26330
 PHONE: 304-842-2018 OR 842-5762

DATE: NOVEMBER 7, 2011

OPERATORS WELL NO.: ROBINSON #11

API WELL NO. 47-017-05149 RENEW
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 886.89' WATERSHED LITTLE TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON LEASE NUMBER _____

SURFACE OWNER RICHARD G. ROBINSON ACREAGE 158.54 (14-09)
 OIL & GAS ROYALTY OWNER RICHARD G. ROBINSON, ET. AL. LEASE ACREAGE 172.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____

PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR MARSHALL SASOIL CORP. DESIGNATED AGENT SCOTT E. WILSON
 ADDRESS P. O. BOX 381087 BIRMINGHAM, AL 35238-1087 ADDRESS P. O. BOX 1716 CLARKSBURG, WV 26302-1716

08/09/2013

COUNTY NAME PERMIT