



**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 28, 2015

**WELL WORK PERMIT**

**Horizontal Well**

This permit, API Well Number: 47-4105697, issued to WACO OIL & GAS CO 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.

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: RAMSBURG 2H  
Farm Name: WILSON, BRAD

**API Well Number: 47-4105697**

**Permit Type: Horizontal Well**

Date Issued: 08/28/2015

**Promoting a healthy environment.**

**08/28/2015**

## 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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

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

1) Well Operator: Waco Oil & Gas Co., Inc. Operator ID                      County Lewis 041 District Freemans Creek Quadrangle Vadis

2) Operator's Well Number: Ramsburg #1H 2048      3) Elevation: 1,072'

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

5) Proposed Target Formation(s): Injun      Proposed Target Depth: 1,950'

6) Proposed Total Depth: 4,440' Feet      Formation at Proposed Total Depth: Big Injun

7) Approximate fresh water strata depths: 150'

8) Approximate salt water depths: None.

9) Approximate coal seam depths: None.

10) Approximate void depths, (coal, Karst, other): None.

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)  
Construct/modify well site (Including pad and pits). Mobilize drilling rig. Drill a horizontal well with casing program below.  
Evaluate well, run 4 1/2" production casing and cement. Demobilize rig. mobilize completion equipment.  
Fracture, stimulate, clean-out, run tubing, unload and test well. Reclaim site.

13) CASING AND TUBING PROGRAM

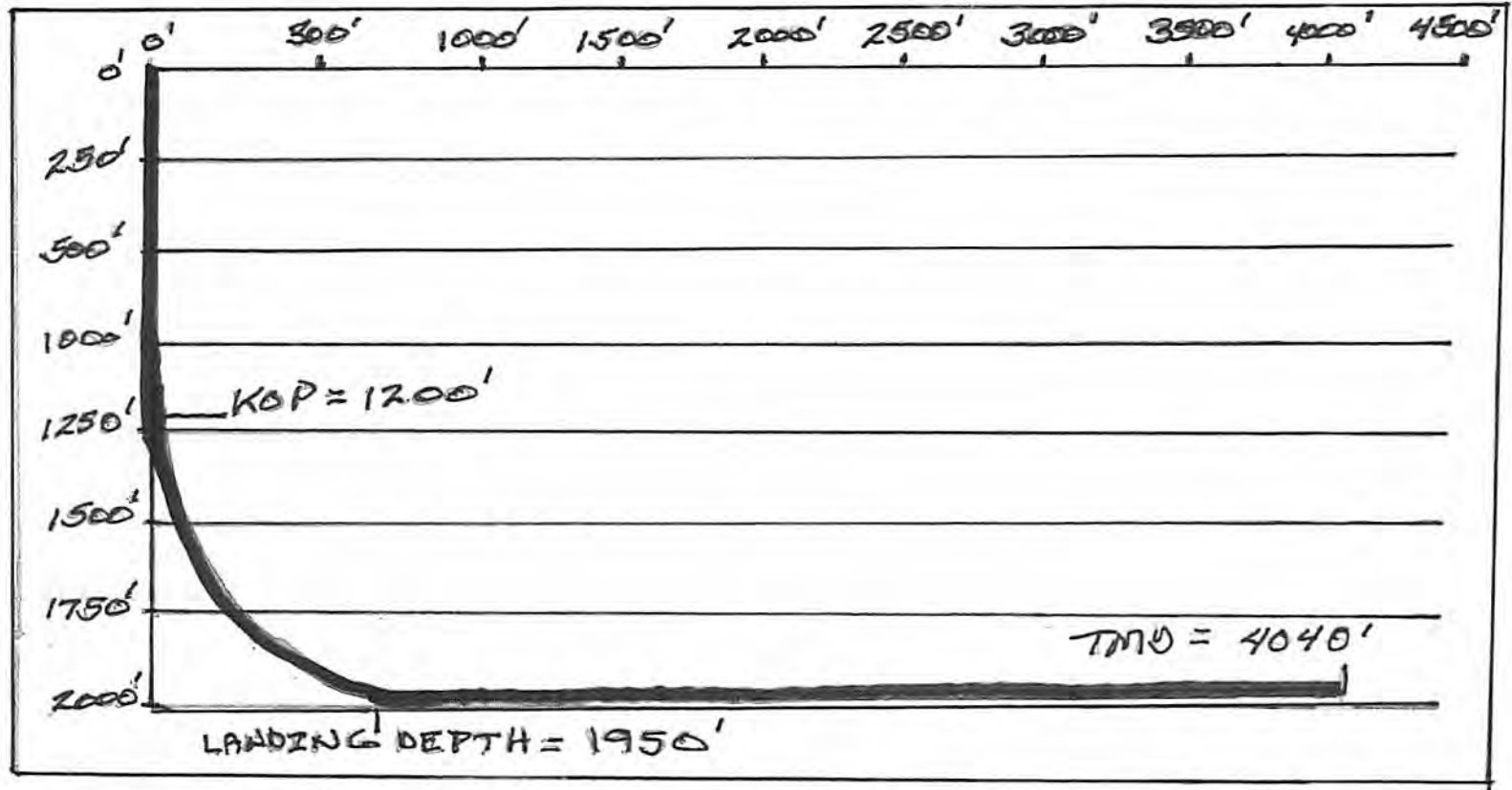
*B.S. 7-22-15*

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13"	API	54.5#	20'		N/A
Fresh Water	9 5/8"	API	40#	300'	300'	CTS
Coal						
Intermediate	7"	API	17#	1500'	1500'	CTS
Production	4 1/2"	API	11.6#	4440'	4440'	300 cu ft
Tubing						
Liners						

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Packers: Kind: \_\_\_\_\_  
                  Sizes: \_\_\_\_\_  
                  Depths Set \_\_\_\_\_

wellbore Graph  
Waco Oil & Gas Co., Inc.  
Ramsburg 2H 2048



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Office of Oil & Gas  
JUL 27 2015

4105697H

**Completion Method**

**Ramsburg 2H 2048**

The proposed wellbore will be drilled on air. Once at TD, we will blow the hole for 1 hour. We will then run 4 ½ casing to TD. We will then pump cement to at least 300' (MD) past the highest planned perforation. We will then perforate and stimulate the well in the Big Injun formation in multiple stages. We expect to have 10 stages and use 300,000 lb of sand and 4,000 bbl of water.

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Office of Oil & Gas  
JUL 27 2015

*Waco*

OIL AND GAS COMPANY, INC.

Department of Environmental Protection

Office of Oil &amp; Gas

601 57<sup>th</sup> St, SE

Charleston, WV 25304-2345

December 5, 2014

Re: Ramsburg 2H 2048

Jeff McLaughlin:

As per your request, following, please find the measures Waco Oil & Gas Co., Inc. will undertake to protect the offset wells to our proposed horizontal well referenced above.

Firstly, please know that all the offset wells, 47-041-00995, 47-041-01206, 47-041-00991, 47-041-01009 and 47-041-01216 are all owned and operated by Waco Oil & Gas Co., Inc. The surface equipment will all be inspected for assurance of proper rating and condition. All wells have earthen containments for any liquid spills. All wells will be continuously monitored during the fracturing process by Waco employees for any changes in pressure, etc., from a safe distance to protect employees from any physical harm. During the completion process, any and all stages that could potentially communicate to offset wells will be adjusted accordingly.

We do not feel that communication to offset wells will occur, but in the unlikely event that it does occur, we are fully prepared to safely handle the situation.

Sincerely,



Stephen E. Holloway

Waco Oil &amp; Gas Co., Inc.

Land Manager

Received  
Office of Oil & Gas  
JUL 27 2015

WW-2A  
(Rev. 6-14)

1.) Date: 12-1-14  
2.) Operator's Well Number Ramsburg #2H  
State County Permit  
3.) API Well No.: 47- 041 -

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

4) Surface Owner(s) to be served:  
(a) Name Brad & Cynthia Wilson ✓  
Address 8128 U.S. Hwy. 33 W  
Camden, WV 26338  
(b) Name Jason Wilson ✓  
Address 8148 U.S. Hwy. 33 W  
Camden, WV 26338  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
5) (a) Coal Operator  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name N/A  
Address \_\_\_\_\_  
6) Inspector Barry Stollings  
Address 28 Coal Ser Drive  
Bridgeport, WV 26330  
Telephone (304) 552-4194

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

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

X **OR**  
       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: Waco Oil & Gas Co., Inc.  
By: Stephen E. Holloway *[Signature]*  
Its: Land Manager  
Address: P.O. Box 397  
Glennville, WV 26351  
Telephone: 304-462-5347  
Email: steve.holloway@wacowv.com

Subscribed and sworn before me this 9<sup>th</sup> day of July, 2015  
Sandra Ann Pettit Notary Public  
My Commission Expires 8-7-2017

**2015 Received**  
**Office of Oil & Gas**  
**JUL 27 2015**

Oil and Gas Privacy Notice

WW-2A1  
(Rev. 1/11)

Operator's Well Number Ramsburg #2H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
A. Camden Ramsburg	James Hall	1/8	274/70
B. Leo P. Caulfield	A.G. Hill	1/8	269/326
B. James Hall	W.H. Mossor	1/8	280/106
B. A.G. Hill	W.H. Mossor	1/8	281/210
A,B W.H. Mossor	Term Energy Corp.	1/8	410/308
A,B Term Energy Corp.	Triad Energy Corp.	1/8	607/112
A,B Triad Energy Corp.	Waco Oil & Gas Co., Inc.	1/8	680/340

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:


- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:  
By: Its:

Waco Oil & Gas Co., Inc.  
Stephen E. Holloway/ Land Manager

Received  
Office of Oil and Gas  
JUL 27 2015



08/28/2015



4105697H

WW-2B1  
(5-12)

Well No. Ramsburg #2H

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Reliance Laboratories- Bridgeport, WV  
Sampling Contractor Hupp Surveying & Mapping

Well Operator Waco Oil & Gas Co., Inc.  
Address P.O. Box 397  
Glenville, WV 26351  
Telephone 304-462-7170

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

SEE ATTACHED

Received  
Office of Oil & Gas  
JUL 27 2015

08/28/2015

WW-2B1

4105697H

# HUPP Surveying & Mapping

P.O. BOX 647

GRANTSVILLE, WV 26147

(304) 354-7035 [hupp@frontiernet.net](mailto:hupp@frontiernet.net) FAX: (304) 354-6548

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December 1, 2014

RE: Water Samples for Ramsburg #2H

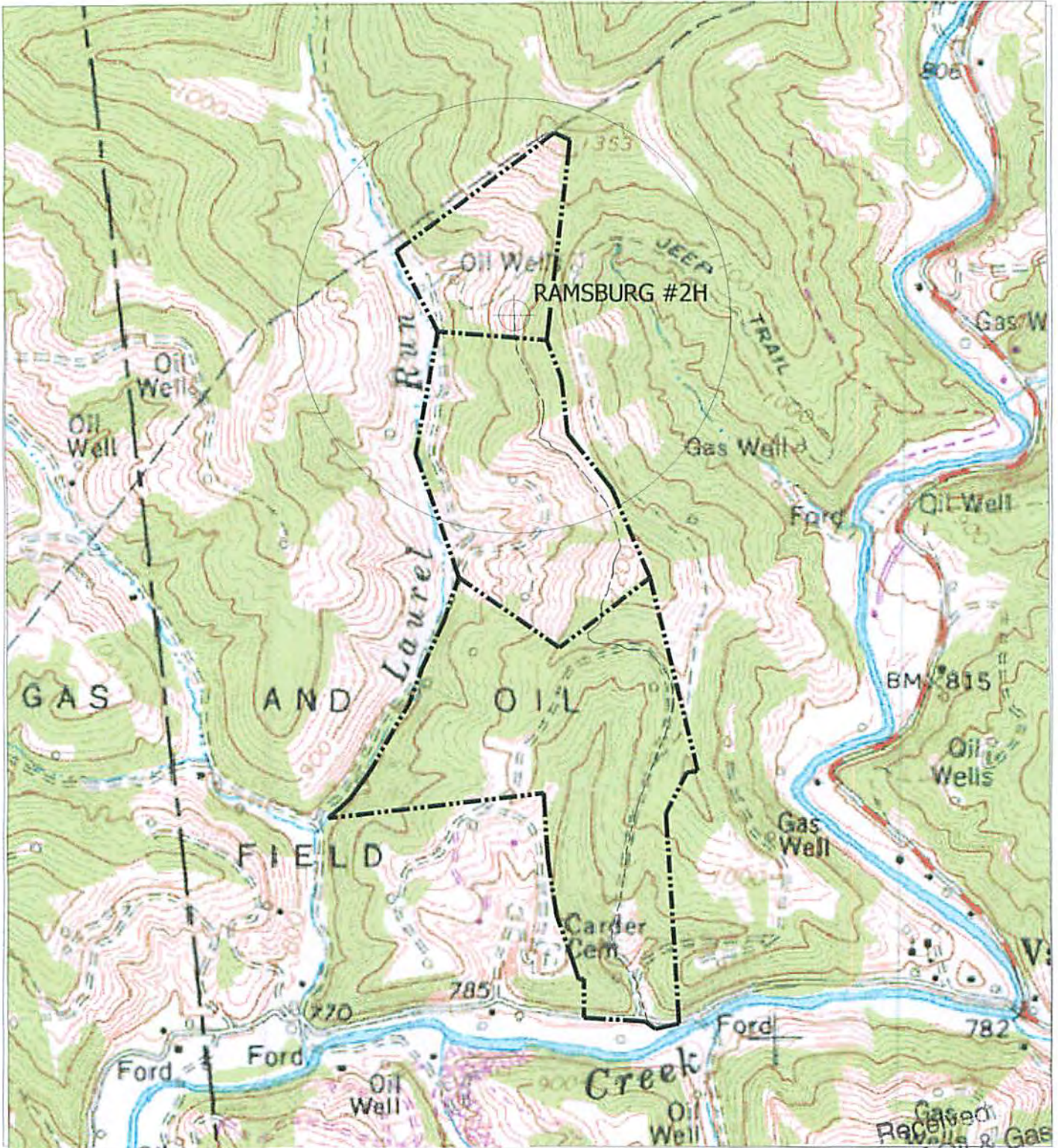
There appears to be one (1) potable water source within 1,500' of Ramsburg #2H, therefore tests should be offered and samples taken as required.

1. Brad & Cynthia Wilson  
8128 US HWY. 33 W  
Camden, WV 26338  
Tax Map 1F Parcels 3 & 4

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# Waco Oil & Gas Co. Inc. RAMSBURG #2H Water



### HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147  
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'  
VADIS 7.5'

*B.S.* Office of Oil & Gas  
Waco Oil & Gas Co., Inc.  
P.O. Box 397  
Glenville, WV 26351

Received  
JUL 27 2015

08/28/2015

4105697

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 041 - \_\_\_\_\_  
Operator's Well No. Ramsburg #2H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Waco Oil & Gas Co., Inc. OP Code 306294

Watershed (HUC 10) Laurel Run Quadrangle Vadis

Elevation 1,072' County \_\_\_\_\_ District Freemans Creek

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_\_\_ No X

Will a pit be used for drill cuttings? Yes X No \_\_\_\_\_

If so, please describe anticipated pit waste: Water encountered/used for drilling

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 20

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 To drill into steel pit and haul to adjacent well site.)

Will closed loop system be used? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air/Freshwater

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? Brine Water

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Remove to pit (ww-9 Attached\*)

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Cement

-Landfill or offsite name/permit number? N/A

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 \_\_\_\_\_

Company Official (Typed Name) Stephen E. Holloway

Company Official Title Land Agr.

Subscribed and sworn before me this 9 day of July, 2015

Sandra Ann Pettit Notary Public

My commission expires 8-7-2017

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Office of Oil & Gas

OFFICIAL SEAL  
COMMISSIONER  
State of West Virginia  
SANDRA ANN PETTIT  
Gilmer County  
08/28/2015

Form WW-9

Operator's Well No. Ramsburg #2H

Proposed Revegetation Treatment: Acres Disturbed 2.0 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 Ton lbs/acre (500 lbs minimum)

Mulch Hay 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

*Bany Stullups*

Comments: \_\_\_\_\_

Title: inspector

Date: 7-22-15

Field Reviewed?

Yes

No

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Office of Oil & Gas  
JUL 27 2015

4105697H

*I.L. Morris*

P.O. Box 397  
Glenville, WV 26351

(304) 462-5741

Division of Environmental Protection  
Office of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, WV 25304-2345

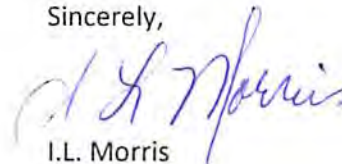
December 5, 2014

Re: Waugh 1H 2044  
Drilling Pit

Whom it may concern,

I hereby authorize Waco Oil & Gas Co., Inc. to dispose of all drilling, completion fluids and drill cuttings from their site known as Ramsburg 2H 2048 in the drilling pit to be constructed in association with well site Waugh 1H 2044. I have attached surveying plats of each well site for identification purposes.

Sincerely,



I.L. Morris

Received  
Office of Oil & Gas  
JUL 27 2015

08/28/2015

# WACO OIL & GAS CO. INC.

## RAMSBURG #2H

4105697

Form W-9

Page 1 of 2

275' +/- @ 5% to 7%  
Spacing 135' to 115'

Surface Boundary

See Page 2

320' +/- @ 10% to 12%  
Spacing 80' to 70'

Road Is Existing Acces.

Pipeline

MORRIS, ET AL  
85.93 ACRES±  
IF-18

47-041-01311

300' +/- @ 8% to 10%  
Spacing 100' to 80'

75' +/- @ 18% to 20%  
Spacing 50' to 45'

380' +/- @ 22% to 24%  
Spacing 45' to 40'

100' +/- @ 24% to 26%  
Spacing 45' to 40'

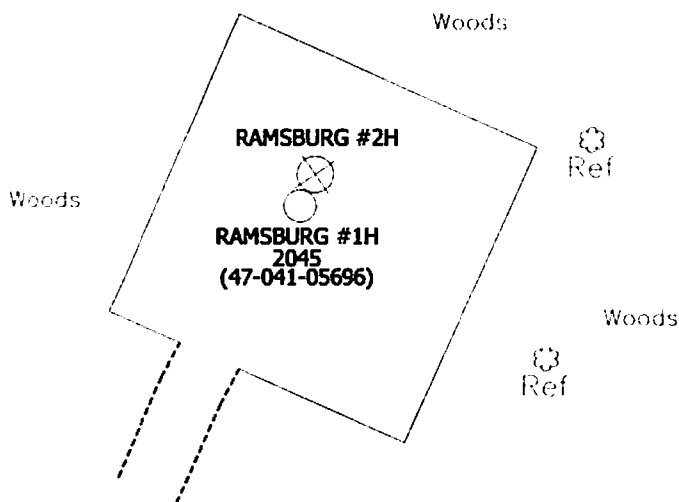
290' +/- @ 2% to 4%  
Spacing 100' to 80'

Pipeline

16

16

### Detail Sketch for Ramsburg #2H



Drawing Not To Scale NORTH

Install Minimum 12" Culvert

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH DEP OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE DOT.

SEDIMENT BASINS, TRAPS AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS MANDATED IN THE WV DEP OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING THE OPERATOR AND INSPECTOR PRIOR TO ANY OPERATION FROM THIS PLAN.

CONTRACTORS/COMPANY ARE RESPONSIBLE FOR LOCATING UTILITIES WHETHER SHOWN ON THIS PLAN OR NOT. CONTRACTORS SHALL BE RESPONSIBLE FOR TEMPORARILY SEEDING AND MULCH ALL SLOPES AFTER COMPLETION OF LOCATION. CUT AND STACK ALL TIMBER AND BRUSH IN THE LOCATION AND THINER STACK BRUSH BELOW LOCATION OF SEDIMENT CONTROL.

Received  
Office of Oil & Gas  
JUL 27 2015

**HUPP Surveying & Mapping**

Drafted BY:

Date Drafted:

Job Number:

P.O. BOX 647 GRANTSVILLE, WV 26147  
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

DB

12/01/14

08/28/2015

W20142356

# WACO OIL & GAS CO. INC. RAMSBURG #2H

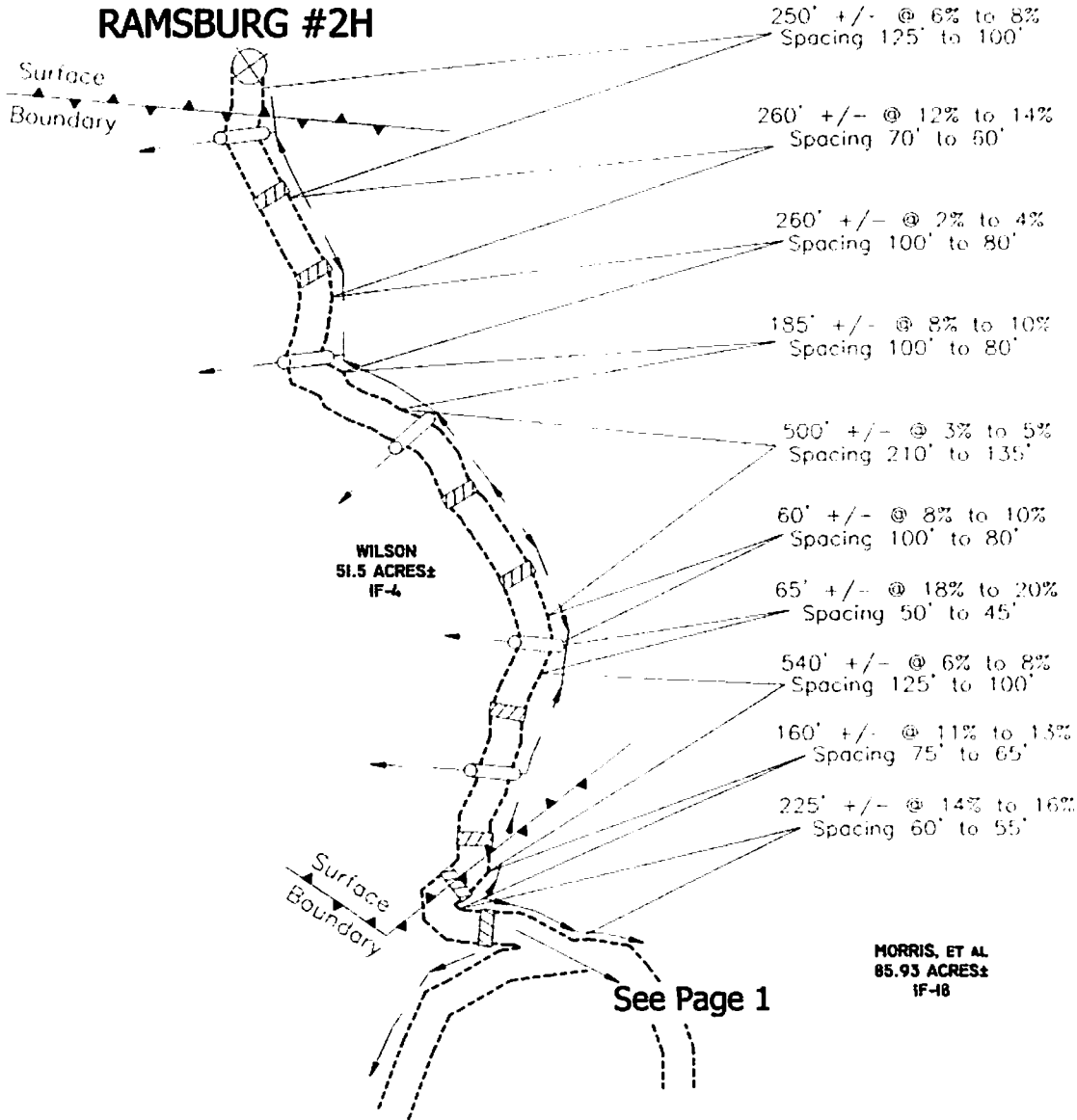
4105697

Form W-9

Page 2 of 2

WILSON, ET AL  
26 ACRES±  
IF-3

## RAMSBURG #2H



Drawing Not To Scale NORTH

Road Is Existing Access.

Install Minimum 12" Culvert

ALL RIGHTS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH DEP OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE DOT. SEDIMENT BASINS, TRAPS AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV DEP OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED. EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN. CONTRACTORS/COMPANY ARE RESPONSIBLE FOR LOCATING UTILITIES WHETHER SHOWN ON THIS PLAN OR NOT. TEMPORARILY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION. CUT AND STACK ALL TIMBER ABOVE 6-INCHES IN DIAMETER AND THICKER. STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

**HUPP Surveying & Mapping**

Drafted BY:

Date Drafted:

Job Number:

P.O. BOX 647 GRANTSVILLE, WV 26147  
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

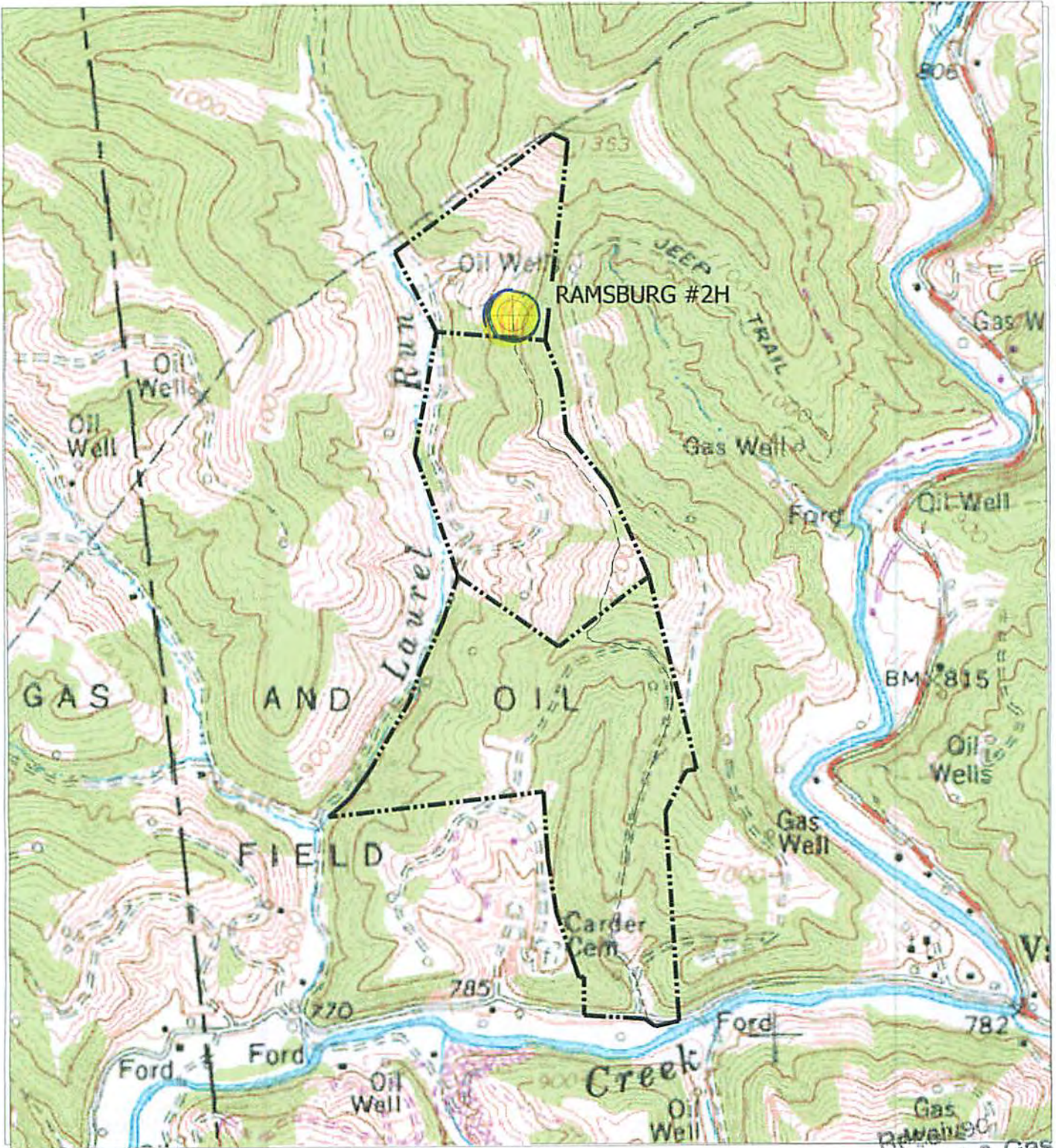
DB

12/01/14

08/28/2015  
W20142356



# Waco Oil & Gas Co. Inc. RAMSBURG #2H



NORTH

### HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147  
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'  
VADIS 7.5'

Waco Oil & Gas Co., Inc.  
P.O. Box 397  
Glenville, WV 26351

Office of Oil & Gas

JUL 27 2015

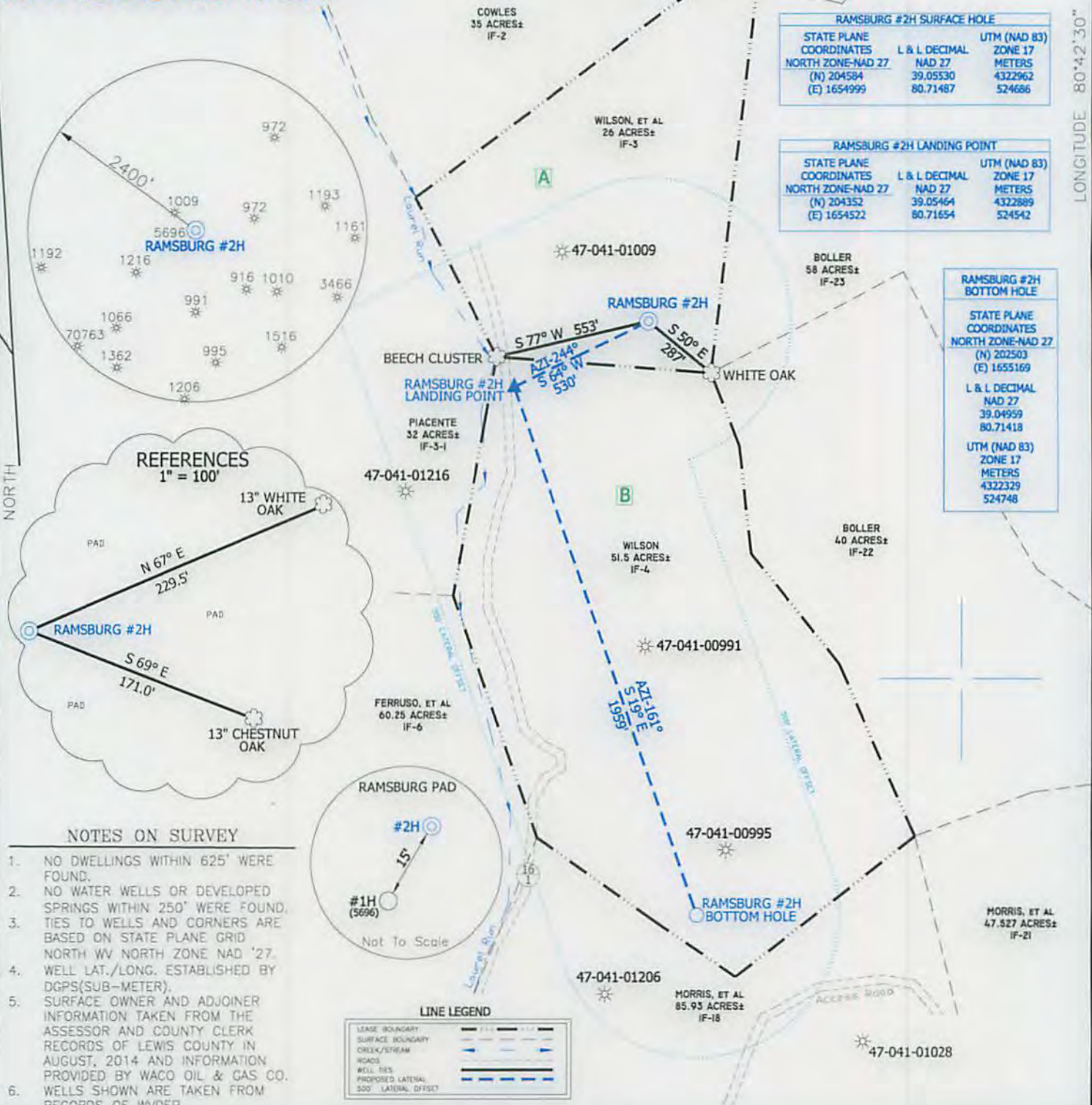
08/28/2015

# RAMSBURG #2H

LATITUDE 39°05'00"

LONGITUDE 80°42'30"

LAT. 39°03'19.1"



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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE DECEMBER 2, 20 14  
 OPERATORS WELL NO. RAMSBURG #2H  
 API WELL NO. 47-041-05697H  
 STATE COUNTY PERMIT

P.S. 834  
 Hupp Surveying & Mapping  
 P.O. Box 647 Grantsville, WV 26147  
 (304) 354-7035 EMAIL: hupp@frontiernet.net

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2356 (BK75-1)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER) SCALE 1" = 500'

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

WELL TYPE : OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION :  
 ELEVATION 1,072' WATERSHED LAUREL RUN  
 DISTRICT FREEMANS CREEK COUNTY LEWIS QUADRANGLE VADIS 7.5'

SURFACE OWNER BRAD WILSON, et al ACREAGE 26.0±  
 ROYALTY OWNER INGEBORG RAMSBURG, et al LEASE ACREAGE 78±

PROPOSED WORK :  
 DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION INJUN  
 ESTIMATED DEPTH TVD-1,950' MD-4,440'

WELL OPERATOR WACO OIL & GAS CO., INC. DESIGNATED AGENT STEPHEN E. HOLLOWAY  
 ADDRESS P.O. BOX 397 GLENVILLE, WV 26351 ADDRESS P.O. BOX 397 GLENVILLE, WV 26351

08/28/2015

COUNTY NAME PERMIT