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**west virginia** department of environmental protection

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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 15, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10300066, issued to LEATHERWOOD, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 4  
Farm Name: NULL & MOORHEAD  
**API Well Number: 47-10300066**  
**Permit Type: Plugging**  
Date Issued: 10/15/2015

**Promoting a healthy environment.**

**10/16/2015**

## 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. 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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

Leatherwood, Inc.  
Gerald Ramsburg  
1000 Consol Energy Drive  
Canonsburg, PA 15317

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Plugging Permit Application – Well “Null #4”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged in order to comply with Leatherwood’s consent order.

If any further information or correspondence is required, please contact Erika Whetstone at (724) 627-1492 or [ErikaWhetstone@consolenergy.com](mailto:ErikaWhetstone@consolenergy.com).

Sincerely,



Gerald Ramsburg

RECEIVED  
SEP 14 2015  
WV Department of  
Environmental Protection

1) Date \_\_\_\_\_, 20 14  
2) Operator's  
Well No. Null #4 \_\_\_\_\_  
3) API Well No. 47-103 - 00066

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 \_\_\_\_/ Shallowx

5) Location: Elevation 1250.27 Watershed West Virginia Fork Fish Creek  
District Church County Wetzel Quadrangle Hundred

6) Well Operator Leatherwood, Inc. 7) Designated Agent Seth Wilson  
Address 1000 Consol Energy Drive Address 7000 Hampton Center, Suite K  
Canonsburg, PA 15317 Morgantown, WV 26505

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Derek Haught Name Contractor Services Inc. (CSI)  
Address P.O. Box 85 Address 929 Charleston Rd.  
Smithville, WV 26178 Spencer, WV 25776

10) Work Order: The work order for the manner of plugging this well is as follows:  
Please see attached pages.

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

Work order approved by inspector [Signature] Date 9-18-15

SEP 24 2015  
Date 9-18-15  
10/16/2015

Null #4

API 47-103-00066

Church District

Wetzel County

Location: Hundred      Northing: 430,718.17

Easting: 1,701,920.18

Elevation: 1250.27

**Proposed Plug & Abandonment Procedure:**

The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth to the surface, casing will be removed so that only fully cemented casing strings will be left in the wellbore. Intact and uncemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, any casing shall be ripped, cut, or perforated on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or attainable bottom to 100 ft. above any mineable coal seam. From that point to the surface, Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives shall be used to fill the wellbore. A monument with the API number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6. The disturbed areas shall be graded, seeded and mulched as required. Site to be reclaimed as soon as possible.

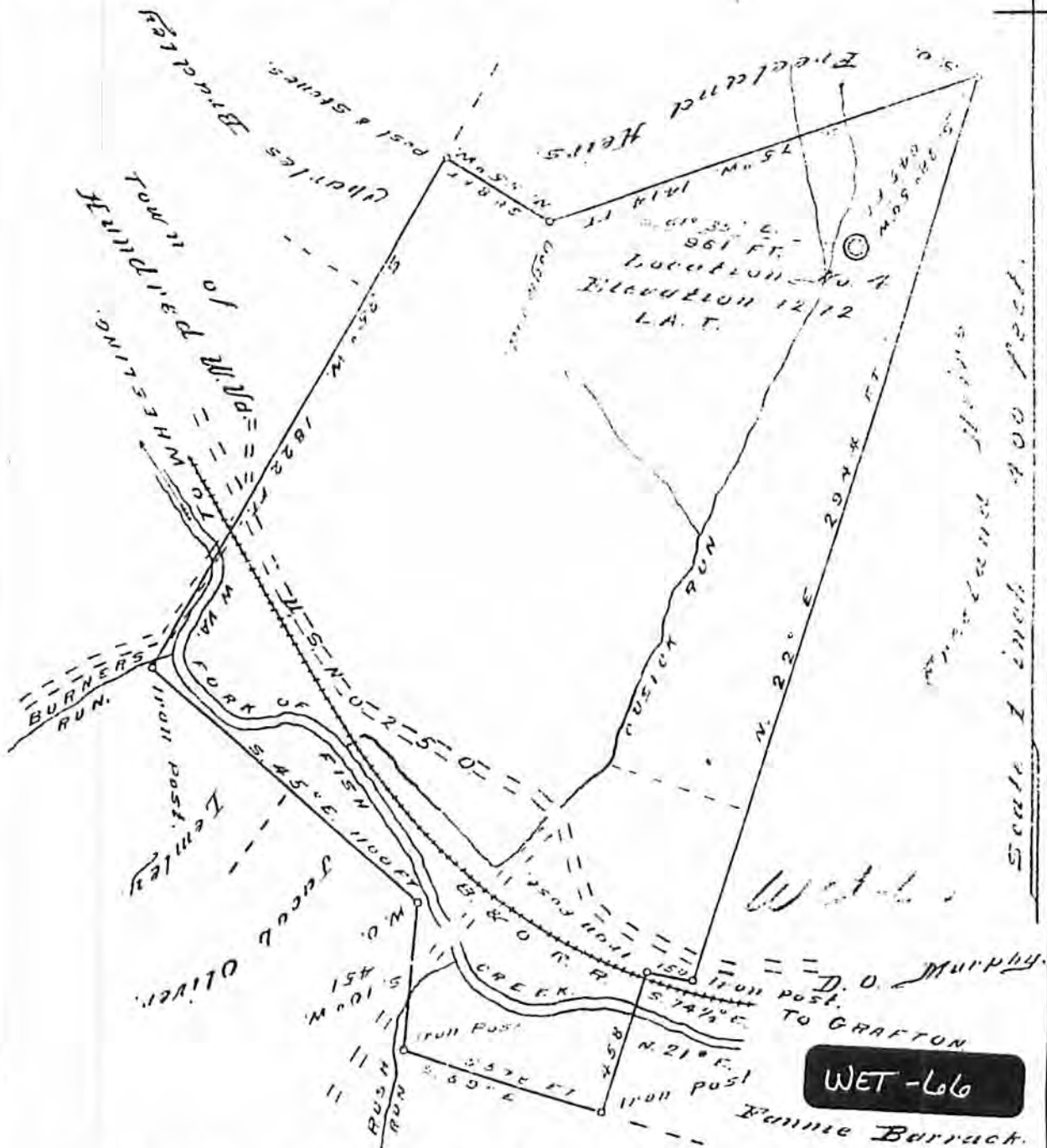
DMH  
9-18-15

RECEIVED  
Office of Oil and Gas

SEP 24 2015

West Virginia Department of  
Environmental Protection 10/16/2015

Plan of proposed Location of Well No. 4, by D. W. Hull & J. W. Moorhead, of Hundred, W. Va on Land of Hull & Moorhead, in Church District, Wetzel County, West Virginia. Containing 97.95 acres, less 2.95 acres of Baltimore & Ohio R. Co. Company, leaving 95 acres.



I, the undersigned hereby certify this map is correct and shows all the information to the best of my knowledge as required by the Oil & Gas section of the Mining Laws, of West Virginia

David Weed, Engineer

Acknowledged before me a Notary Public, this 16th day of June - 1932  
My commission expires the 11th.

St. Rymer N. P.

WELL & MOORHEAD NO. 4 WELL.

No. 616 O.P.-Wet.

Church District, Wetzel County, W. Va.  
 By Full & Moorhead, Hundred, W. Va.,  
 On 104 acres, surface owned by Full & Moorhead, Hundred, W. Va.,  
 and minerals by W. S. Furbee, Trustee, Mannington, W. Va.  
 Drilled under permit Wet-66, issued July 5, 1932.  
 Elevation, 1272' L.  
 1 1/2" conductor, 15'; 10" casing, 202'; 8 1/2", 1435'; 6 3/4", 2141'.  
 No liners used.  
 Coal was encountered at 615-618, 848-853, and 960-967'.  
 Completion reported to Dept. of Mines Dec. 31, 1932.  
 Well was shot at 3036-3104', with 30 qts.  
 Gas well. Record to RCT from Mrs. Griffith Sept. 2, 1938.

	Top.	Bottom.	Thickness.
Clay, red, soft	0	100	100
Lime, white, hard (no water in hole at 200')	100	300	200
Shale, dark, soft	300	425	125
Lime, white, hard	425	500	75
Slate, dark, soft	500	545	45
Sand, white, hard	545	560	15
Shale, dark, soft	560	575	15
Sand, white, hard	575	615	40
Fairview (Waynesburg) Coal, black, soft	615	618	3
Lime, gritty, white, hard	618	625	7
Slate, dark, soft	625	650	25
Lime, white, hard	650	848	198
Mapletown (Sewickley) Coal, black, soft	848	853	5
Slate and lime, light, soft and hard	853	960	107
Pittsburgh Coal, black, soft (SLM)	960	967	7
Lime, light, hard	967	977	10
Slate and lime, light, hard and soft	977	1017	40
Red rock, soft	1017	1037	20
Lime, white, hard	1037	1050	13
Slate, dark, soft	1050	1070	20
Red rock, soft (over hole, 1110')	1070	1115	45
Sand, white, hard	1115	1135	20
Slate, dark, soft	1135	1160	25
Lime, white, hard	1160	1190	30
Slate, dark, soft	1190	1220	30
Lime, white, hard	1220	1226	6
Red rock, soft	1226	1250	24
Lime, light, hard	1250	1260	10
Slate, dark, soft	1260	1275	15
Red rock, soft	1275	1305	30
Lime, broken, light, soft	1305	1310	5
Sand, light, hard	1310	1320	10
Slate, black, soft	1320	1350	30
Lime, white, hard	1350	1365	15
Slate, dark, soft	1365	1370	5
Little Denard Sand, light, hard	1370	1385	15
Slate, dark, soft	1385	1440	55
Big Denard Sand, white, hard (break, 1440')	1440	1500	60
Slate and lime, light, hard and soft	1500	1610	110
Gas Sand, white, hard	1610	1667	57
Slate, black, soft	1667	1670	3
Lime, white, hard	1670	1685	15

(OVER)

WELL & MOORHEAD NO. 4 WELL (Continued).

	Top.	Bottom.	Thickness.
Slate, dark, soft	1685	1720	35
Slate and lime, dark, soft and hard	1720	1750	30
1st Salt Sand, light, hard (break, 1785-1791')	1760	1820	60
Slate, dark, soft	1820	1870	50
Lime, light, hard	1870	1885	15
2nd Salt Sand, light, hard	1885	1965	80
Slate, dark, soft	1965	1975	10
3rd Salt Sand, dark, hard	1975	2010	35
Slate and lime, light, hard and soft	2010	2030	20
Sand, white, hard (show gas, 2067' gas, 2091-2118')	2030	2118	88
Slate, dark, soft	2118	2121	3
Big lime, white, hard	2121	2175	54
Big Injan Sand, white, hard (very soft?) (gas at 2222-24', 28/10ths water in 2" opening) (SLM)	2175	2422	247
Lime, white, hard	2422	2460	38
Slate, dark, soft	2460	2500	40
Lime, white, hard	2500	2600	100
Slate, dark, soft	2600	2610	10
Slate and shell, light, soft and hard	2610	2740	130
Lime, gritty, dark, hard	2740	2765	25
50-Ft. shells, light, hard and soft	2765	2840	75
Lime, gritty, light, hard	2840	2850	10
Shells	2850	2875	25
Slate, dark, soft	2875	2887	12
Lime, white, hard	2887	2900	13
50-Ft. Sand, light, hard, broken up	2900	2938	38
Slate, dark, soft	2938	2951	13
Lime, gritty, white, hard, broken up	2951	2975	24
30-Ft. Sand, white, hard	2975	2985	10
Slate, dark, soft	2985	3001	16
Pink rock, soft	3001	3003	2
Stray Sand, white, hard (broken, 3008-3011')	3003	3023	20
Slate, dark, soft	3023	3050	27
Lime, light, hard	3050	3069	19
Pink rock, soft	3069	3074	5
Golden Sand, white, hard (gas at 3100-3101', 6/10ths water in 2" opening)	3074	3122	48
Slate, dark, soft	3122	3140	18
Fourth Sand, white, hard	3140	3171	31
Slate, dark, soft	3171	3190	19
Lime, white, hard	3190	3198	8
Lime, gritty, white, hard	3198	3208	10
Slate, dark, soft	3208	3213	5
Total depth		3213	

SEP 24 1915



WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
Null #4 \_\_\_\_\_  
3) API Well No.: 47 - 103 - 00066

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

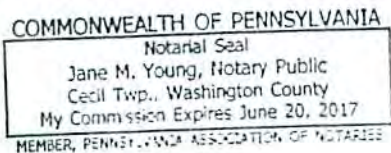
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Hundred Resources, Inc.</u>	Name _____
Address <u>PO Box 5026</u>	Address _____
<u>Fairmont, WV 26555</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Hundred Resources, Inc.</u>
	Address <u>PO Box 5026</u>
	<u>Fairmont, WV 26555</u>
(c) Name _____	Name <u>WPP LLC</u>
Address _____	Address <u>1035 Third Ave, Suite 300</u>
	<u>Huntington, WV 25701</u>
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name <u>n/a</u>
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</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 Leatherwood, Inc.  
 By: Gerald Ramsburg  
 Its: General Manager  
 Address 1000 Consol Energy Drive  
Canonsburg, PA 15317  
 Telephone 1-724-485-4081

Subscribed and sworn before me this 14 day of SEPTEMBER 2015  
Jane M. Young Notary Public  
 My Commission Expires SEP 20 2017

**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](mailto:depprivacyofficer@wv.gov).

10/16/2015

10300066P

WW-9  
(2/15)

API Number 47 - 103 - 00066  
Operator's Well No. Null #4

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Leatherwood, Inc. OP Code 494476721

Watershed (HUC 10) West Virginia Fork Fish Creek Quadrangle Hundred

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? N/A

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 \_\_\_\_\_ )

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 [Signature]

Company Official (Typed Name) Gerald Ramsburg

Company Official Title General Manager - Leatherwood, Inc.

Subscribed and sworn before me this 14 day of SEPTEMBER, 20 15

[Signature] Notary Public

My commission expires \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
SEP 20 2015  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Jane M. Young, Notary Public  
Cecil Twp., Washington County  
My Commission Expires June 20, 2017  
40/16/2015  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

DmH  
9-18-15

Leatherwood, Inc.

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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

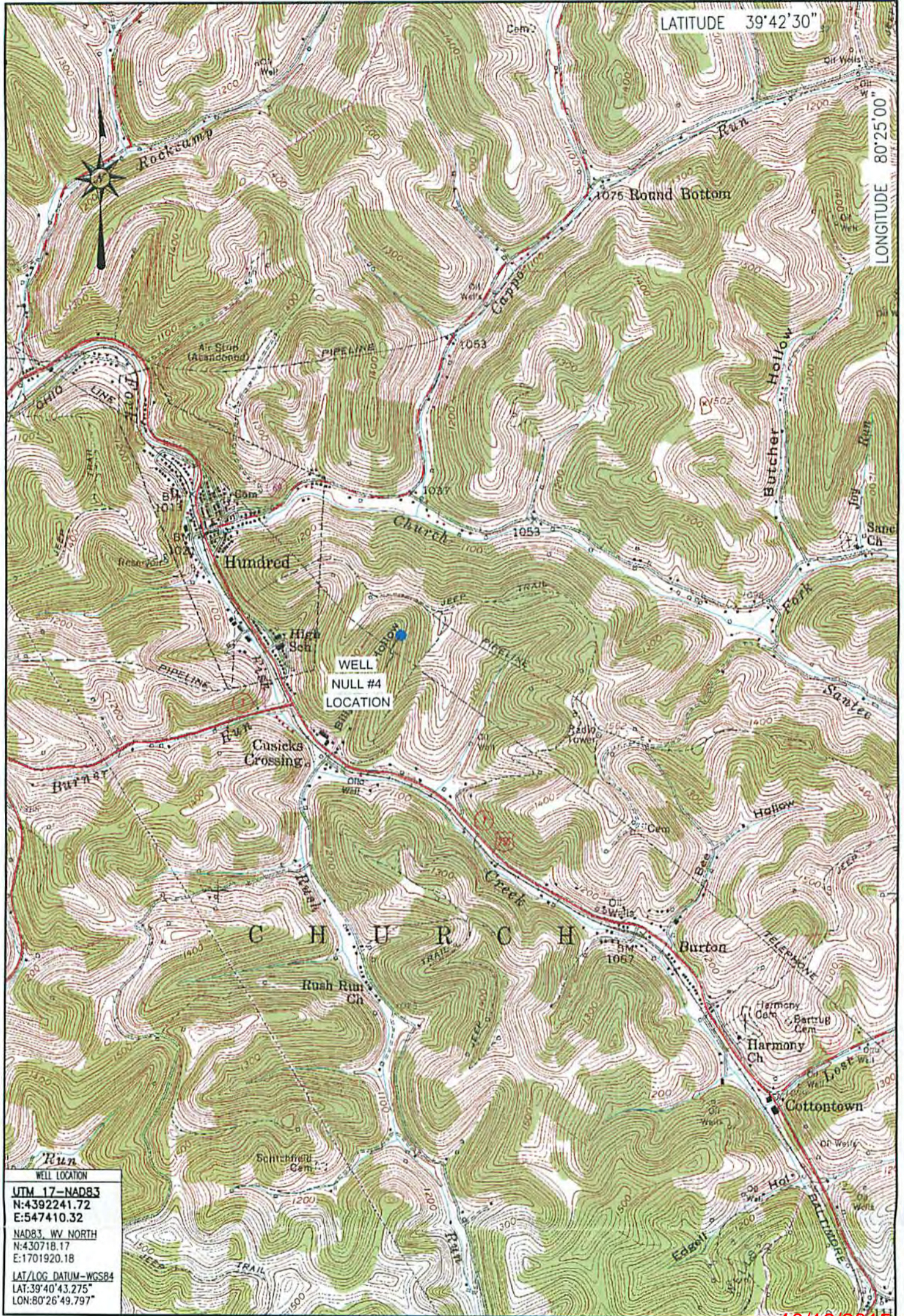
Title: Oil + Gas Inspector

Date: 9-18-15

Field Reviewed?  Yes  No

RECEIVED  
Oil & Gas  
SEP 24 2015

10/16/2015



WELL LOCATION  
 UTM 17-NAD83  
 N:4392241.72  
 E:547410.32  
 NAD83, WV NORTH  
 N:430718.17  
 E:1701920.18  
 LAT/LOG DATUM-WGS84  
 LAT:39°40'43.275"  
 LON:80°26'49.797"

10/16/2015

LOCATION MAP  
SEPTEMBER 14, 2015

DmH  
9-18-15

**Blue Mountain Inc.**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

NULL #4  
 HUNDRED QUADRANGLE  
 WEST VIRGINIA

SCALE 1" = 2000'  
 2000'      4000'      6000'



**BLUE MOUNTAIN ENGINEERING**

Well is located on topo map 10,798 feet south of Latitude: 39° 42' 30"

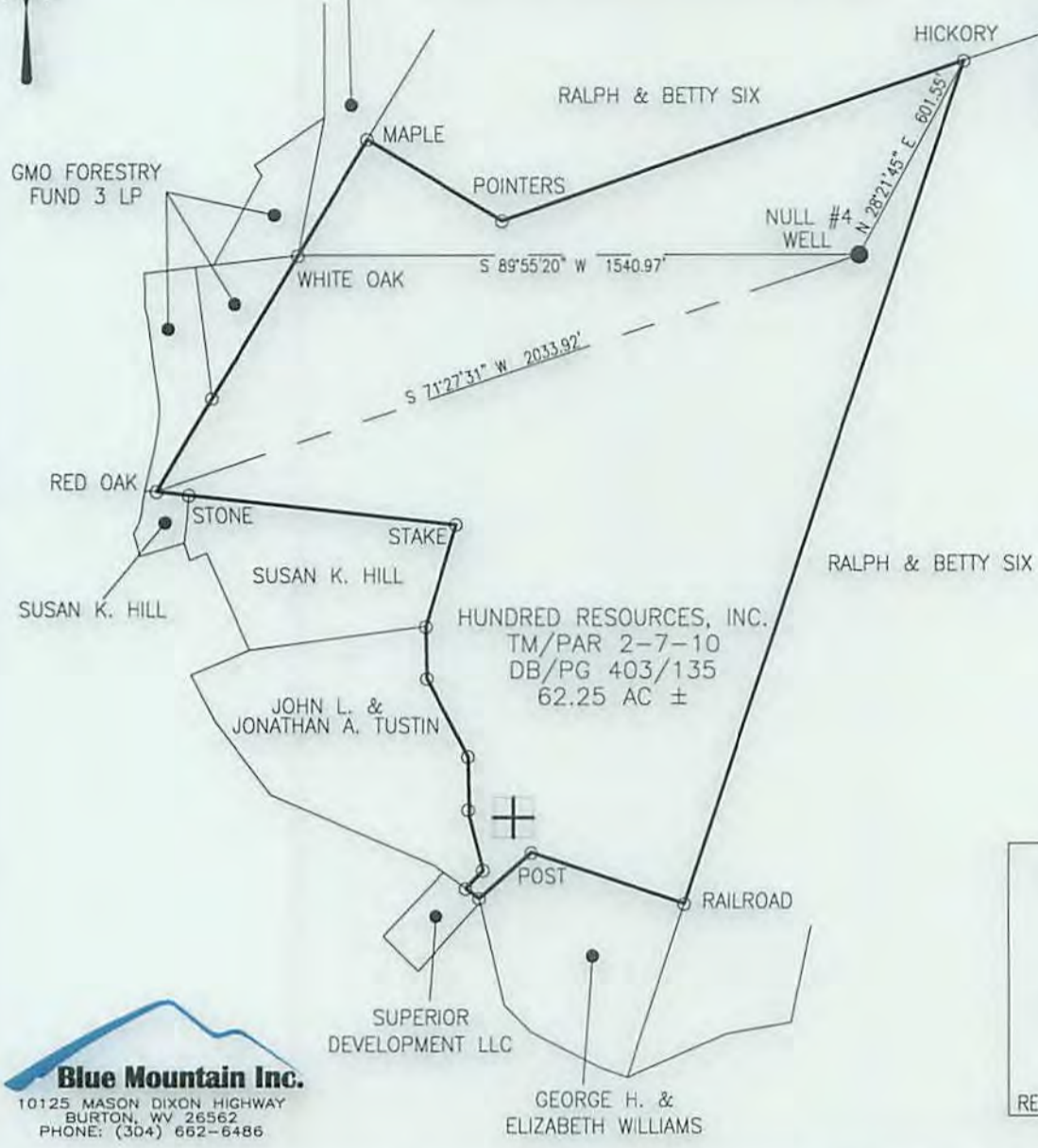
Well is located on topo map 8,584 feet west of Longitude: 80° 25' 00"



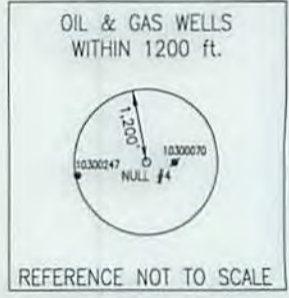
TRI-COUNTY OIL & GAS INC  
C/O HAYHURST COMPANY

NOTE:  
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

WELL LOCATION  
UTM 17-NAD83  
N:4392241.72  
E:547410.32  
NAD83, WV NORTH  
N:430718.17  
E:1701920.18  
LAT/LOG DATUM-WGS84  
LAT:39°40'43.275"  
LON:80°26'49.797"

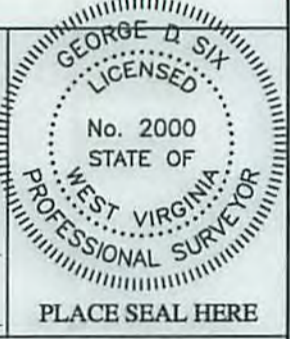


**Blue Mountain Inc.**  
10125 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486



FILE #: NULL #4  
DRAWING #: NULL #4  
SCALE: 1" = 500'  
MINIMUM DEGREE OF ACCURACY: 1/2500  
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 ENVIRONMENTAL PROTECTION.  
Signed: *[Signature]*  
R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



DATE: SEPTEMBER 14, 2015  
OPERATOR'S WELL #: NULL #4  
API WELL #: 47 103 00066 P  
STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1250.27'

COUNTY/DISTRICT: WETZEL / CHURCH QUADRANGLE: HUNDRED, WV 7.5'

SURFACE OWNER: HUNDRED RESOURCES, INC. ACREAGE: 62.25±

OIL & GAS ROYALTY OWNER: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: 4th SAND ESTIMATED DEPTH: 3,213'±

WELL OPERATOR LEATHERWOOD, INC. DESIGNATED AGENT SETH WILSON  
Address 1000 CONSOL ENERGY DRIVE Address 7000 HAMPTON CENTER, SUITE K  
City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26505

10/16/2015

Well is located on topo map 10,798 feet south of Latitude: 39° 42' 30"

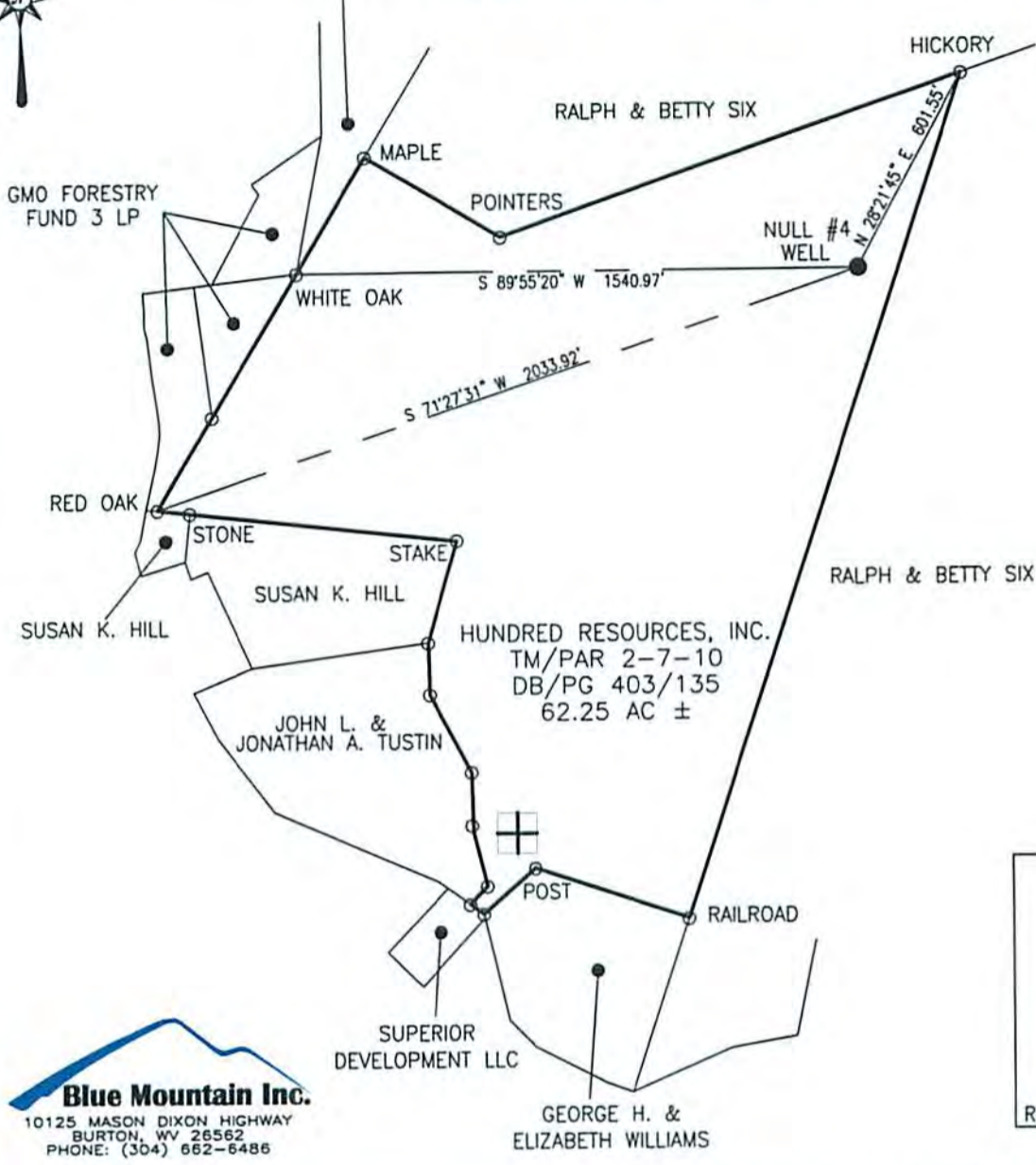
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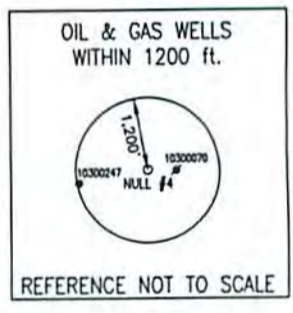
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**Blue Mountain Inc.**  
10125 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486



FILE #: NULL #4  
DRAWING #: NULL #4  
SCALE: 1" = 500'  
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Signed: [Signature]  
R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



DATE: SEPTEMBER 14, 2015  
OPERATOR'S WELL #: NULL #4  
API WELL #: 47 103 00066 P  
STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1250.27'

COUNTY/DISTRICT: WETZEL / CHURCH QUADRANGLE: HUNDRED, WV 7.5'

SURFACE OWNER: HUNDRED RESOURCES, INC. ACREAGE: 62.25±

OIL & GAS ROYALTY OWNER: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: 4th SAND ESTIMATED DEPTH: 3,213'±

WELL OPERATOR LEATHERWOOD, INC. DESIGNATED AGENT SETH WILSON  
Address 1000 CONSOL ENERGY DRIVE Address 7000 HAMPTON CENTER, SUITE K  
City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26505

10/16/2015

Well is located on topo map 10,798 feet south of Latitude: 39° 42' 30"

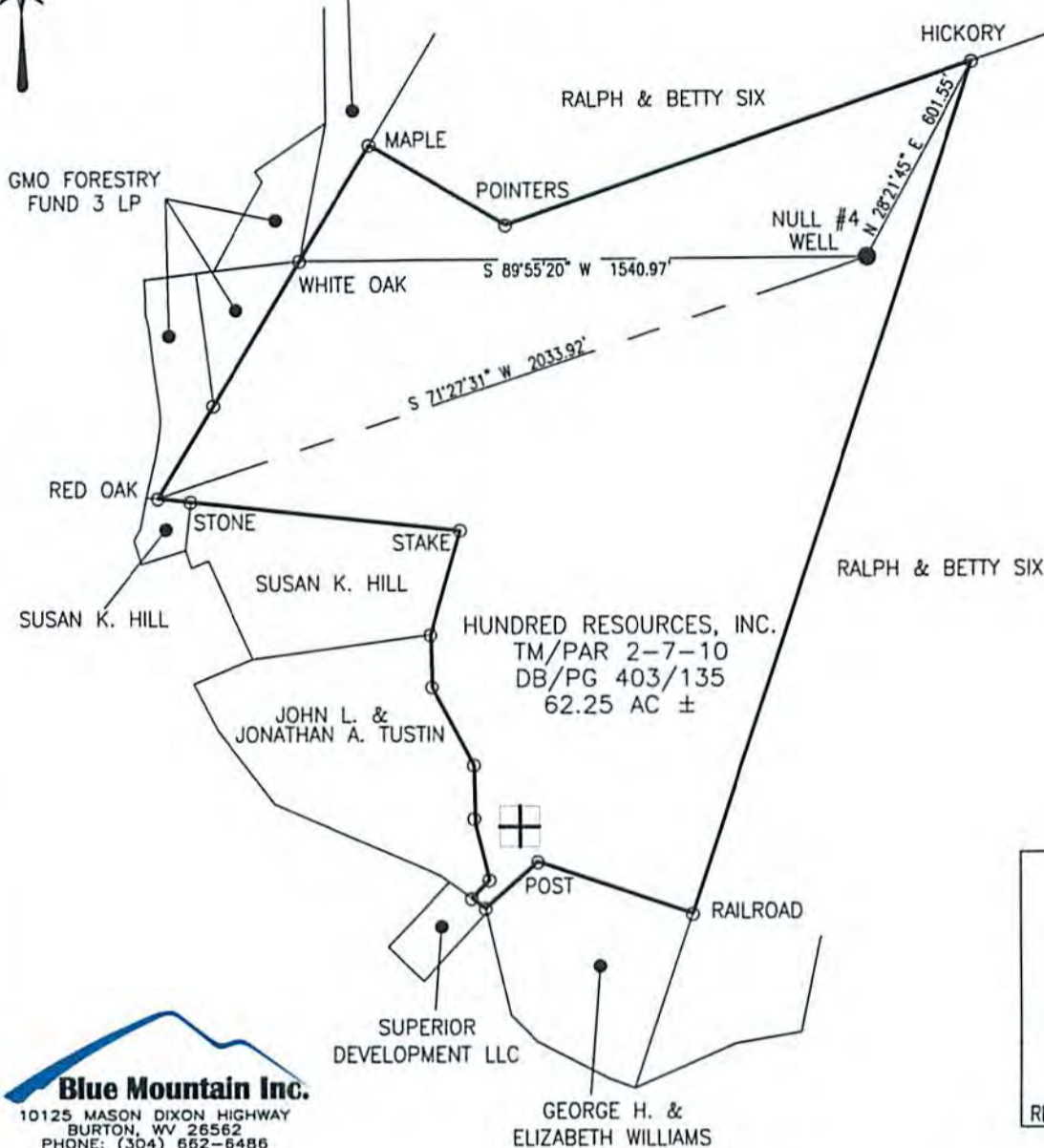
Well is located on topo map 8,584 feet west of Longitude: 80° 25' 00"



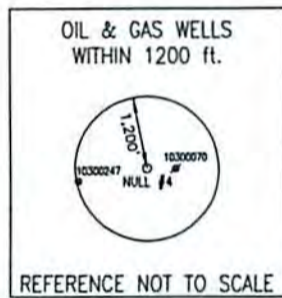
TRI-COUNTY OIL & GAS INC  
C/O HAYHURST COMPANY

NOTE:  
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

WELL LOCATION	
UTM 17-NAD83	
N:4392241.72	
E:547410.32	
NAD83, WY NORTH	
N:430718.17	
E:1701920.18	
LAT/LOG DATUM-WGS84	
LAT:39°40'43.275"	
LON:80°26'49.797"	

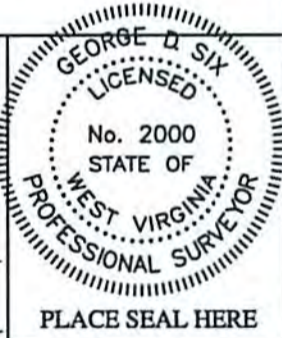


**Blue Mountain Inc.**  
10125 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486



FILE #: NULL #4  
DRAWING #: NULL #4  
SCALE: 1" = 500'  
MINIMUM DEGREE OF ACCURACY: 1/2500  
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 ENVIRONMENTAL PROTECTION.  
Signed: [Signature]  
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SEP 24 2015  
Office of Oil and Gas  
Department of Environmental Protection  
10/16/2015