



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

January 09, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-701237, issued to HARPER, HAYDEN ENERGY KA, LLC, 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: DESPARD - 1
Farm Name: ROSS, MICHAEL , INC.
API Well Number: 47-701237
Permit Type: Plugging
Date Issued: 01/09/2014

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.

7012370

- 1) Date October 24, 2013
- 2) Operator's
Well No. Despard - 1
- 3) API Well No. 47-007 - 01237

**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 XX / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow XX

5) Location: Elevation 900.88 Watershed Bower Run of Copen Run of Little Kanawha River
District Salt Lick 04 County Braxton 07 Quadrangle Burnsville WV 7 1/2' 272

6) Well Operator Hayden Harper Energy KA, LLC 7) Designated Agent Brett McDonough
Address 1001 Moorehead Square Drive - Suite 350 Address 1001 Moorehead Square Drive - Suite 350
Charlotte, NC 28203 Charlotte, NC 28203

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name Patchwork Oil and Gas
Address P.O. Box 157 Address 8165 Elizabeth Pike
Volga WV 26238 Elizabeth, WV 26143

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached procedure and diagram on following page "Despard 1; 47-007-01237"

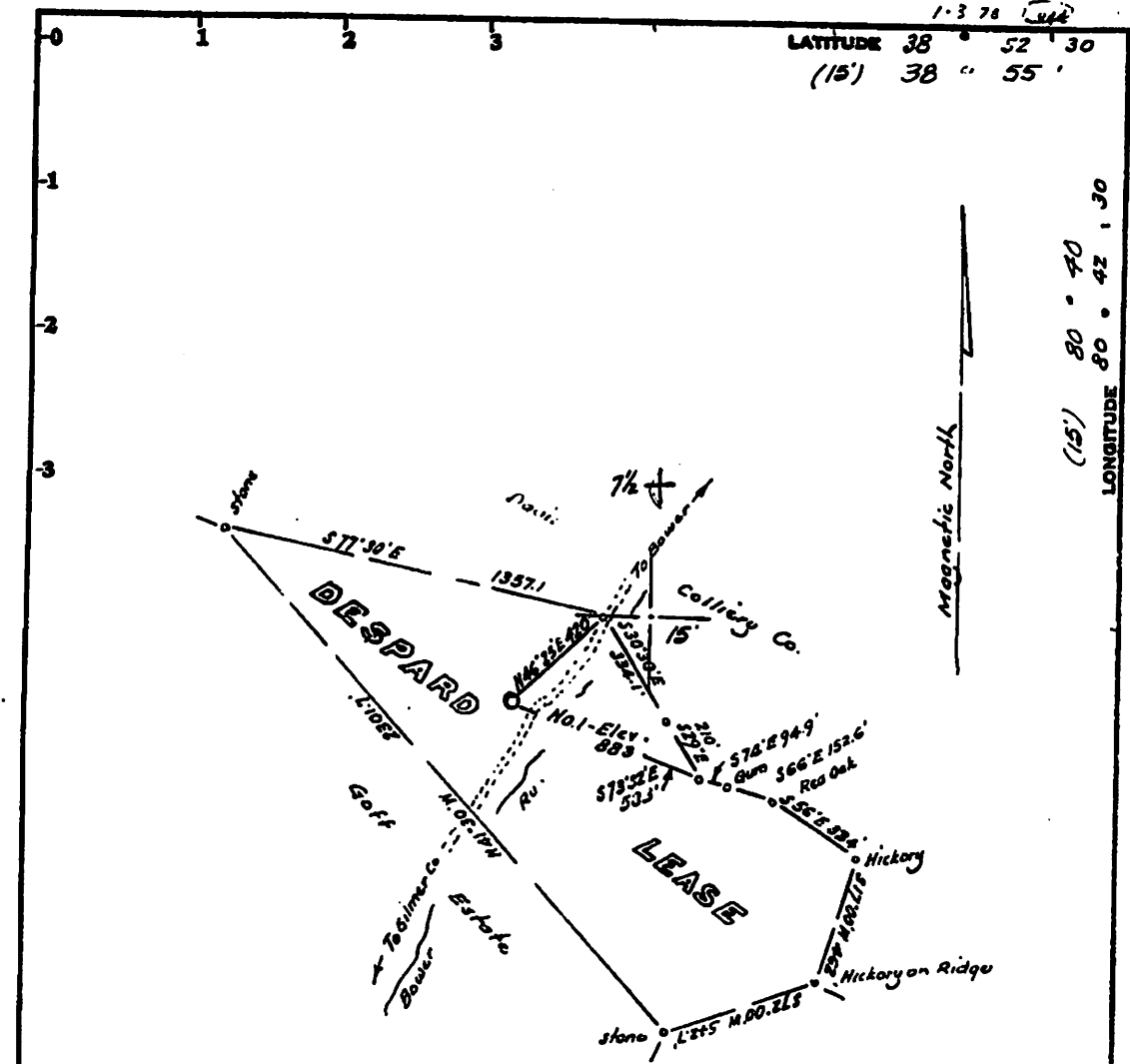
Plug required across any casing cut - 4 1/2"

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

Work order approved by inspector Bryan Harris Date 12-5-13



COAL & SURFACE OWNED BY
 Rappart-Fairmont Coal Co.
 Fairmont, W. Va.

Minimum Error of Closure 1 in 200
 Source of Elevation USGS B.M. on B. & O. R.R. (Coal and Smoke R.)
at Carter Hollow 1 mi SE - 806

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: [Signature]
 Squares: N S E W

Map No. _____

Company WACO OIL & GAS CO.
 Address Postoffice Box 4, Glenville, West Va.
 Farm Despard Lease
 Tract _____ Acres 30 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 883
 Quadrangle Burnsville 7 1/2, 15'
 County Braxton District Salt Lick
 Engineer [Signature]
 Engineer's Registration No. 1227 LLS 200
 File No. _____ Drawing No. _____
 Date Dec. 29, 1977 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. BRAX 1237

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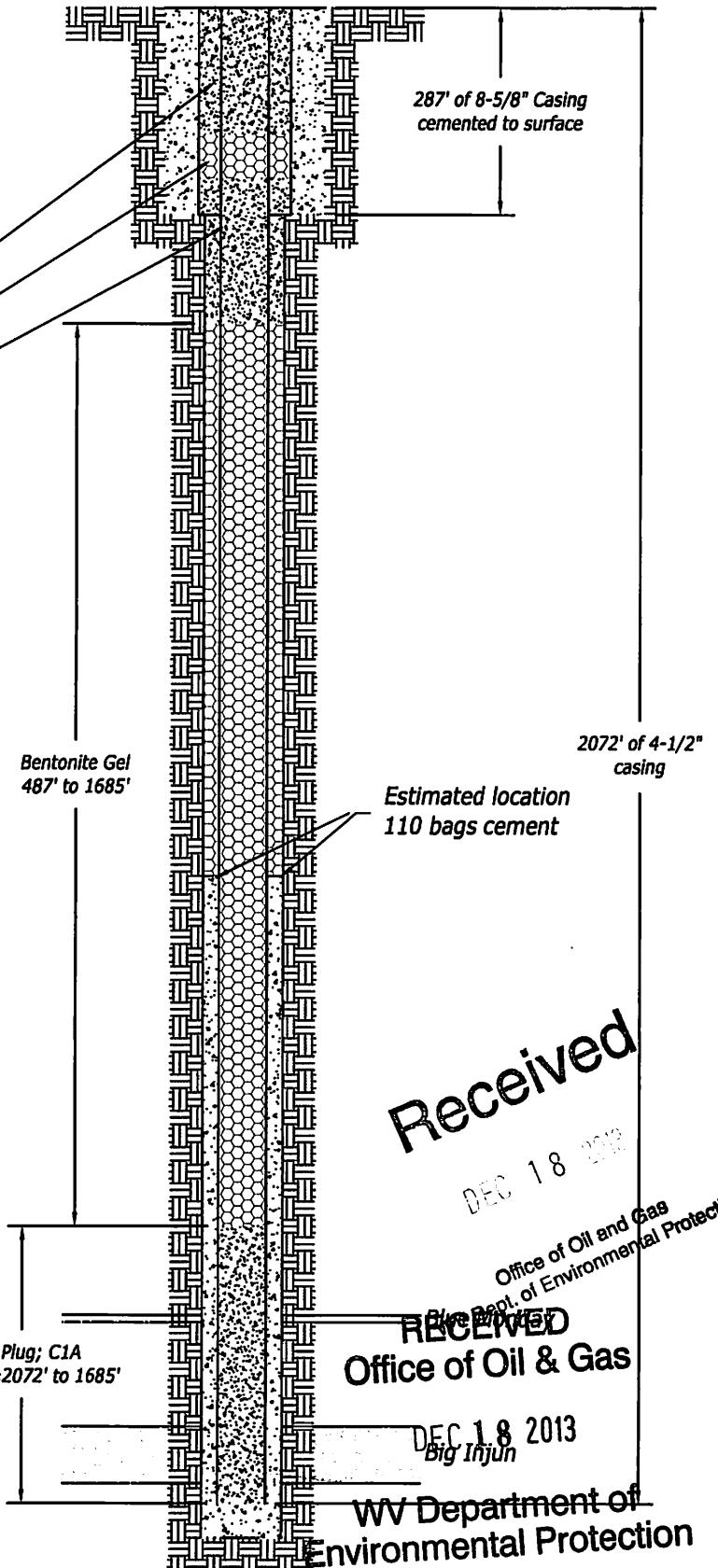
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 to 25,000', latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch space on border line of original tracing. 47-007

2000 - INDIAN SAND

Existing Conditions:

8 5/8" casing, 0-287'; 175 bags CTS
 4 1/2" casing, 0-2072'; 110 bags cement
 TD = 2120'

3rd Plug; C1A cement 175' to surface
 Bentonite Gel 175' to 237'
 2nd Plug; C1A cement 237' to 437'



Plugging Procedure:

- 1) Attempt to clean out well bore to TD
- 2) Circulate gel to 20' above cleaned out area, place cement plug from BOH to 1685'
- 3) Freepoint the 4-1/2" casing, sever and remove above the original cemented depth, ±1200'
- 4) Circulate gel from 1685' to 437'; place cement plug from 437' to 237'
- 5) Circulate gel 237' to 175'; place cement plug from 175' to surface
- 6) Remove tubing
- 7) Erect monument with API number affixed.

Despard 1; 47-007-01237

not to scale

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 Big Injun

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Burnsville
Permit No. BRAX-1237

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

Company Waco Oil & Gas Co., Inc.
Address P. O. Box 4, Glenville, WV 26351
Farm Despard Acres 30
Location (waters) Copen Run
Well No. One (1) Elev. 883'
District Salt Lick County Braxton
The surface of tract is owned in fee by Reppert-Fairmont Coal Company
Address Clarksburg, WV 26301
Mineral rights are owned by Parkersburg National Bank, Etal Address Parkersburg, WV 26101
Drilling Commenced March 9, 1978
Drilling Completed March 14, 1978
Initial open flow NA cu. ft. NA bbls.
Final production 98 cu. ft. per day Trace bbls.
Well open 4 hrs. before test 560 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size 20-16 | | | |
| Cond. 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 287' | 287' | 175 sacks |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2072' | 110 sacks |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details: Attach copy of cementing record.
Halliburton: 3/21/78 - Injun Sand - 40,000# Sand, 500 GA and 539 BGW.
Blue Monday - 5,000# Sand, 750 GA and 348 BGW.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Blue Monday and Injun Sands Depth 1810'-1820' and 1965'-2044'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|--------------|-------|--------------|----------|-------------|-------------------|---------|
| Fill Dirt | | | 0 | 68 | | |
| Shale | | | 68 | 270 | | |
| Sand | | | 270 | 350 | | |
| Shale | | | 350 | 490 | | |
| Sand | | | 490 | 540 | | |
| Sand & Shale | | | 540 | 830 | | |
| Shale | | | 830 | 860 | | |
| Sand | | | 860 | 1060 | | |
| Shale | | | 1060 | 1095 | | |
| Sand | | | 1095 | 1110 | | |
| Shale | | | 1110 | 1130 | | |
| Sand | | | 1130 | 1170 | | |
| Shale | | | 1170 | 1425 | | |
| Sand | | | 1425 | 1485 | | |
| Shale | | | 1485 | 1505 | | |
| Sand | | | 1505 | 1610 | | |
| Shale | | | 1610 | 1650 | | |
| Sand | | | 1650 | 1695 | | |
| Shale | | | 1695 | 1725 | | |
| Lime | | | 1725 | 1810 | | |
| Sand | | | 1810 | 1824 | | |
| Shale | | | 1824 | 1832 | | |
| Lime | | | 1832 | 1925 | | |
| Sandy Lime | | | 1925 | 2030 | | |

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* Indicates Electric Log tops in the remarks section.

701237P

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|------------------|-------|--------------|--------------|-------------|-------------------|---------|
| Shaly Sand TD | | | 2030 2120 | 2120 | | |

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Date July 15, 2013

APPROVED WACO OIL & GAS CO., INC. (Title)

By E. A. Broome
E. A. Broome (Title) Agent

01/10/2014

1) Date: October 24, 2013
2) Operator's Well Number
Despard - 1

701237P
CK 10000
#24686

3) API Well No.: 47 - 007 - 01237

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>Michael Ross, Inc.</u> ✓ | Name <u>n/a</u> |
| Address <u>PO Box 219</u> | Address _____ |
| <u>Coalton WV 26257</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>Michael Ross, Inc.</u> ✓ |
| _____ | Address <u>PO Box 219</u> |
| (c) Name _____ | <u>Coalton WV 26257</u> |
| Address _____ | Name _____ |
| _____ | Address _____ |
| 6) Inspector <u>Bryan Harris</u> ✓ | (c) Coal Lessee with Declaration |
| Address <u>P.O Box 157</u> | Name <u>n/a</u> |
| <u>Volga WV 26238</u> | Address _____ |
| Telephone <u>304-553-6087 cell, or 304-472-1732</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 HAYDEN HARPER ENERGY KA, LLC

By: Brett McDonough 

Its: Vice President

Address 1001 Moorehead Square Drive - Suite 350

Charlotte, NC 28203

Telephone 704-343-2447



Subscribed and sworn before me this 18th day of November

Deedee Taylor Notary Public

My Commission Expires May 17th, 2016

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.

01/10/2014

701237A

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|--|---|
| <ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. | <p>A. Signature <i>Michael Ross</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Michael Ross</i> C. Date of Delivery <i>11/21/13</i></p> |
| <p>1. Article Addressed to:</p> <p>Michael Ross, Inc. P. O. Box 219 Coalton, WV 26257</p> | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |
| <p>2. Article Number (Transfer from service label)</p> | <p>7007 0710 0003 9518 1836</p> |
| <p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p> | |

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|--|--|
| <ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. | <p>A. Signature <i>Bryan Harris</i> <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Bryan Harris</i> C. Date of Delivery <i>12/2/13</i></p> |
| <p>1. Article Addressed to:</p> <p>Bryan Harris P. O. Box 157 Volga, WV 26238</p> | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |
| <p>2. Article Number (Transfer from service label)</p> | <p>7007 0710 0003 9518 1843</p> |
| <p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p> | |

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HAYDEN HARPER ENERGY KA, LLC OP Code 494495359

Watershed (HUC 10) 0503020303 Bower Run of Copen Run Quadrangle Burnsville WV 7 1/2

Elevation 900.88 County Braxton District Salt Lick

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

Will a pit be used for drill cuttings? Yes XX No _____

If so, please describe anticipated pit waste: fluids used and associated with well plugging activities

Will a synthetic liner be used in the pit? Yes XX No _____ If so, what ml.? 20 ml

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? yes 60

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

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

-Landfill or offsite name/permit number? _____

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) Brett McDonough

Company Official Title Vice President

Subscribed and sworn before me this 18th day of November, 2013

[Signature]
Notary Public

My commission expires May 17th, 2016

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DEEDEE TAYLOR
Notary Public
Mecklenburg County
Environmental Protection
Environmental Protection
NORTH CAROLINA
01/10/2014

HAYDEN HARPER ENERGY KA, LLC

Proposed Revegetation Treatment: Acres Disturbed 1.33 Prevegetation pH 6.4

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch pulp fiber at 0.5 - 0.75 Tons/acre

Seed Mixtures

| Area I | | Area II | |
|---------------|----------|---------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Tall Fescue | 40 | Tall Fescue | 40 |
| Ladino Clover | 5 | Ladino Clover | 5 |
| | | | |

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: _____

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Title: Oil & Gas Inspector

Date: 12-5-13 WV Department of Environmental Protection

Field Reviewed? Yes No

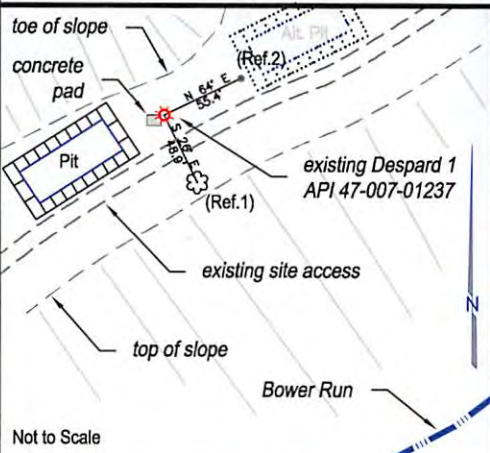
October 24, 2013

TOPO SECTION OF:
United States Department of the Interior
Geological Survey - Burnsville, WV - 7½ Quadrangle

LEGEND

- Proposed Road
- Existing Road
- Existing Culvert
- Proposed Culvert (15" Min. unless noted)
- Proposed Stream Crossing
- Cross Drain
- Diversion Ditch
- Silt Fence
- Brush Barrier
- Tree Line
- Road Ditch
- Gas Line
- Fence Line
- Water Well
- House/Structure
- Spring
- Wet Spot

Detail Sketch existing well Despard 1



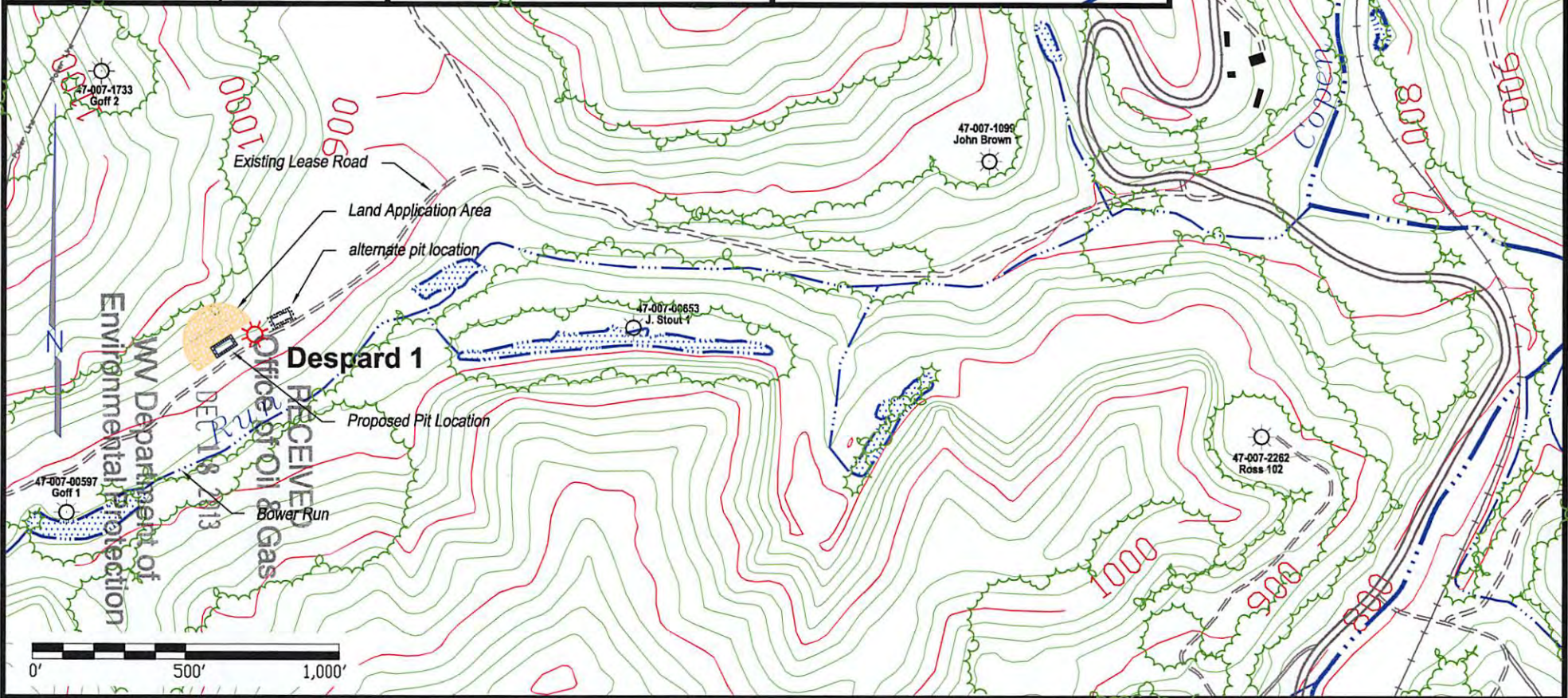
PROPOSED CULVERT INVENTORY
(For Bid Purposes Only)

| | |
|------------------------|------|
| 15" (Minimum) Culverts | None |
|------------------------|------|

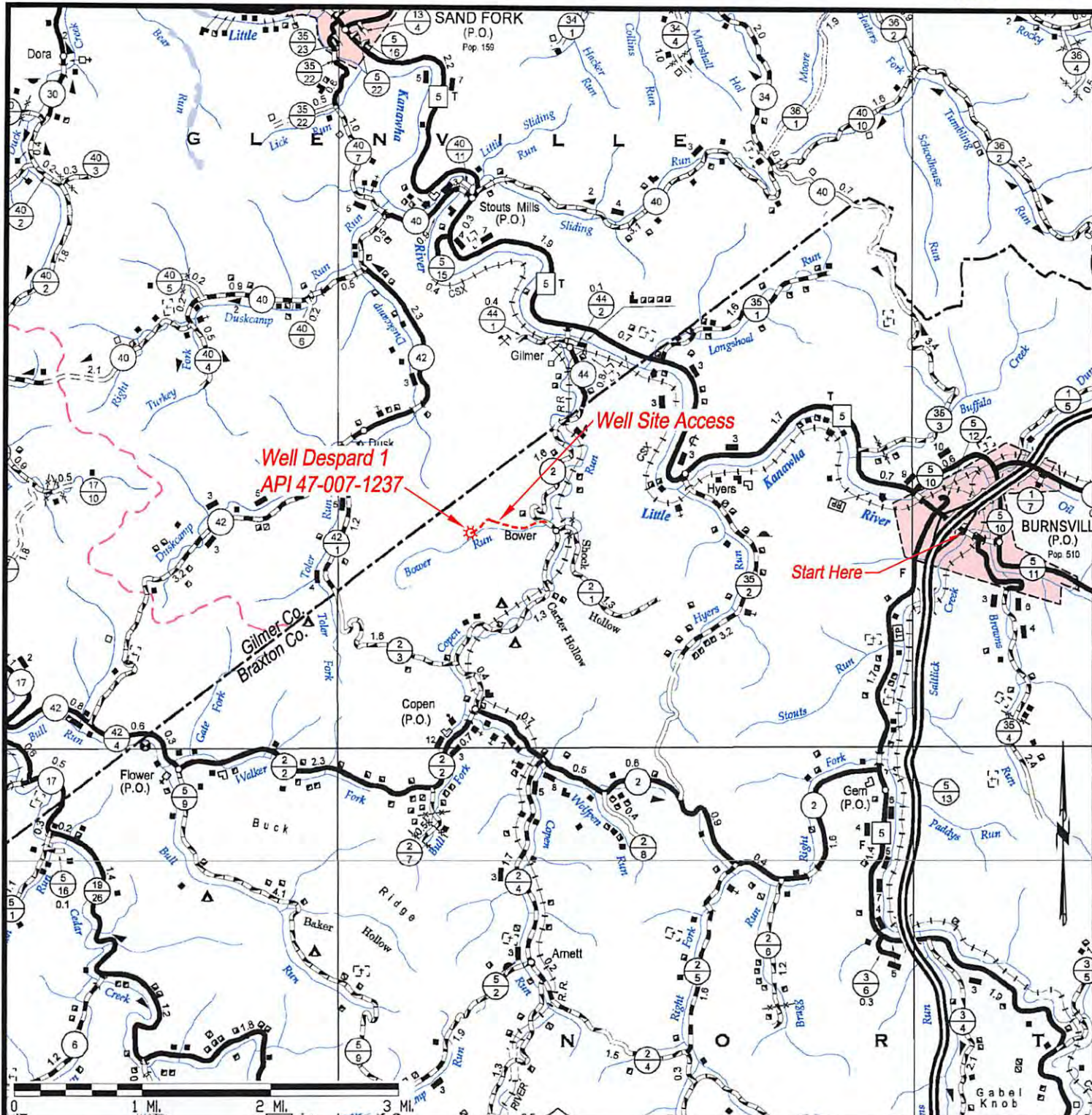
Additional Culverts and/or other drainage structures and sediment control devices may be required by the WVDEP Oil & Gas Inspector. Operator is responsible for coordination with contractor and True Line regarding any changes or additions the State may require.

PROJECTED EARTHEN DISTURBANCE

| | |
|-------------------------------|------------|
| Well Location Site | 0.13 Acres |
| Access Road | 1.20 Acres |
| Approximate Total Disturbance | 1.33 Acres |



701237P



Driving Directions:

1. From the north bound exit of Interstate 79 at Burnsville, turn left (northwest) 1/8 mile to intersect WV State Rt. 5. Turn left on WV St. Rt. 5.
2. Proceed south on Rt. 5 toward Gem, WV for 2 1/2 miles and the intersection with Braxton Co. Rt. 2. Turn right (west) on Co. Rt. 2.
3. Follow Co. Rt. 2 for a distance of 4.7 miles to the community of Copen, WV and a "T" intersection. Turn right onto the gravel road, Rt. 2.
4. Continue in a northerly direction on Braxton Co, Rt. 2, now gravel, for 2.1 miles along Copen Run to the existing lease road on the left.
5. Proceed up Bower Run on the existing lease road for 1/2 mile to a junction with an existing road on the left. Make the left turn.
6. Follow the existing lease road continuing up Bower Run for 0.2 miles to the Despard 1 site on the right side of the road.



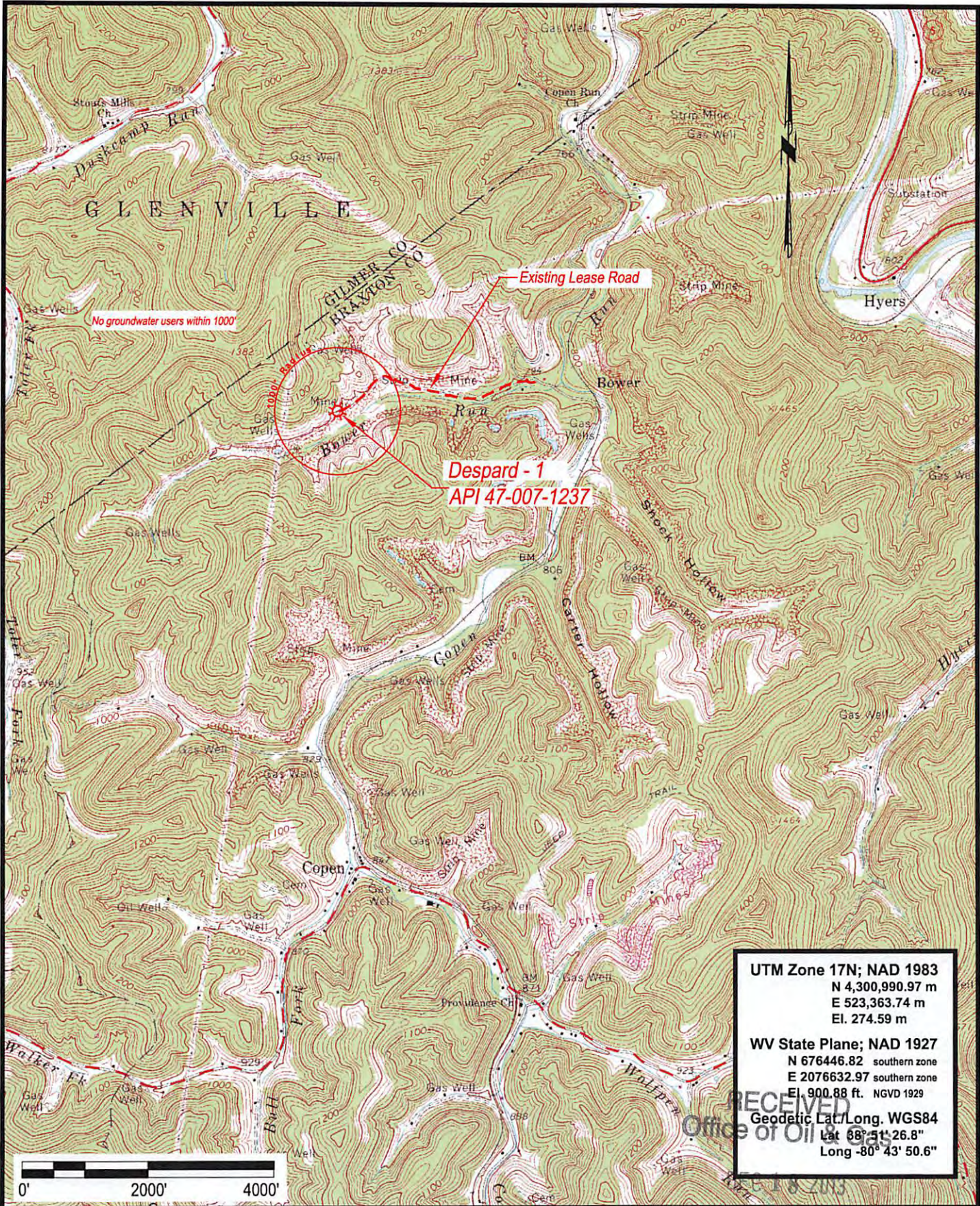
Despard 1

API 47-007-01237
 Located near Copen in Salt Lick District of Braxton County, West Virginia

Office of Oil and Gas
 Department of Environmental Protection
 Driving Directions - October 24, 2013
 Braxton County General Highway Map Sheet 1

01/10/2014

701237A



No groundwater users within 1000'

Existing Lease Road

Despard - 1
API 47-007-1237

UTM Zone 17N; NAD 1983
 N 4,300,990.97 m
 E 523,363.74 m
 El. 274.59 m

WV State Plane; NAD 1927
 N 676446.82 southern zone
 E 2076632.97 southern zone
 El. 900.88 ft. NGVD 1929

Geodetic Lat./Long. WGS84
 Lat 38° 51' 26.8"
 Long -80° 43' 50.6"



**HAYDEN
HARPER**

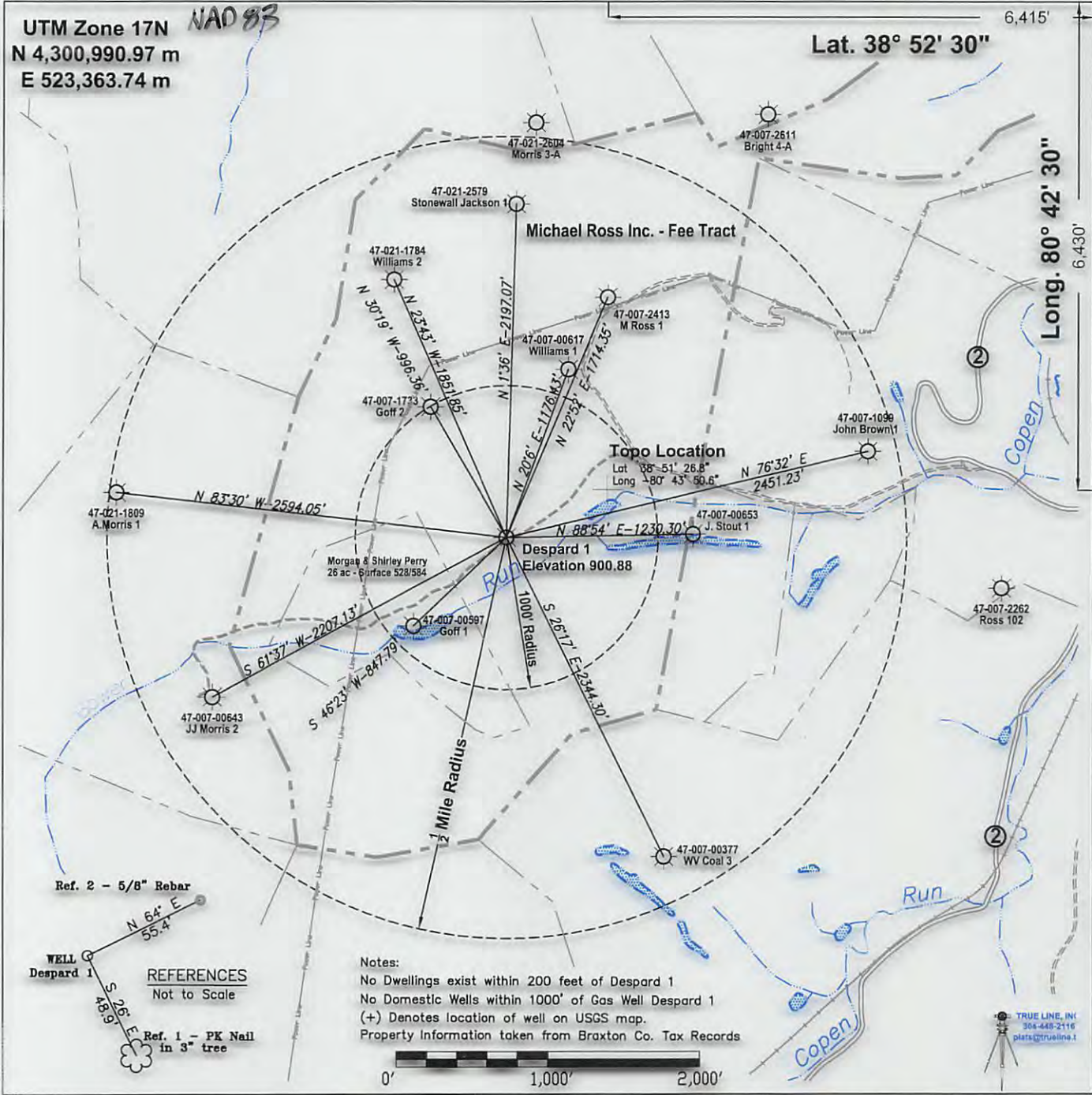
Despard 1

API 47-007-01237

Located near Copen in Salt Lick District, Boone County, West Virginia

WV Department of Environmental Protection
October 24, 2013

01/10/2014



FILE #: CGI-Hayden,Harper\Despard-1
 DRAWING #: WW-6 - Despard-1.pdf
 SCALE: see bar scale above
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: survey grade GPS

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.: 1065

JOHN E. CAFFREY
 LICENSED
 No. 1065
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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

DATE: October 24, 2013
 OPERATOR'S WELL #: Despard - 1
 API WELL #: 47 007 01237 P
 STATE COUNTY PERMIT

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

WATERSHED: Bower Run of Copen Run of Little Kanawha River ELEVATION: 900.88
 COUNTY/DISTRICT: 007-Braxton / 4-Salt Lick QUADRANGLE: 272 - BURNSVILLE

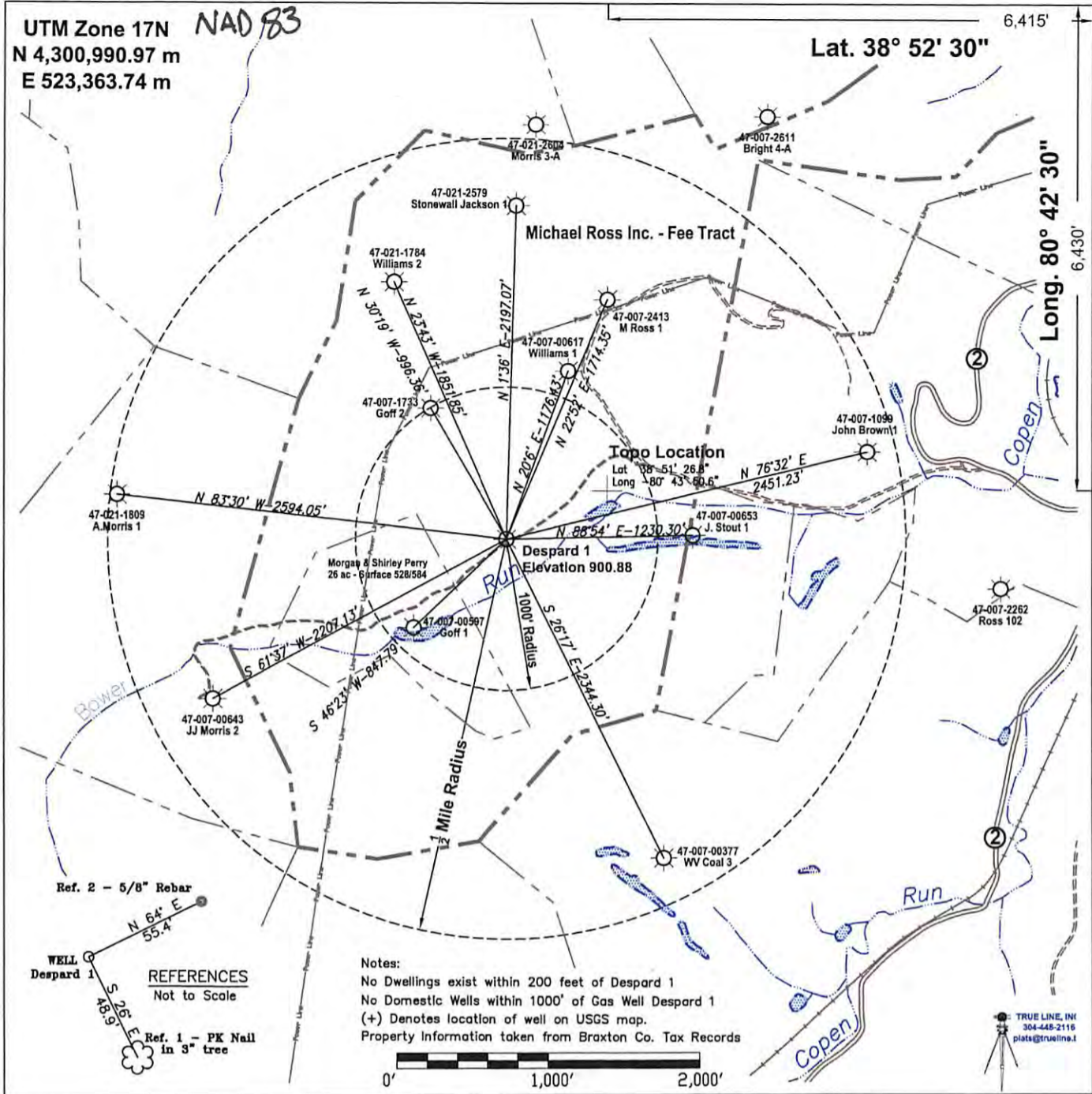
SURFACE OWNER: Michael Ross, Inc. ACREAGE: 259.29 ac.
 OIL & GAS ROYALTY OWNER: Michael Ross, Inc. ACREAGE: 30 ac.

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: Big Injun ESTIMATED DEPTH: 2120

WELL OPERATOR HARPER, HAYDEN ENERGY KA, LLC DESIGNATED AGENT Brett McDonough
 Address 1001 MOOREHEAD SQUARE DR. - SUITE 350 Address 1001 Moorehead Square Drive - Suite 350
 City CHARLOTTE State NC Zip Code 28203 City Charlotte State NC Zip Code 28203

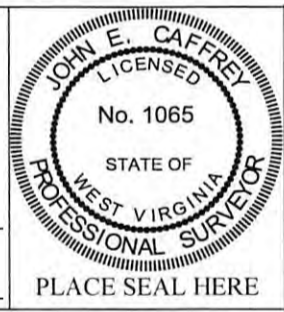
01/10/2014



FILE #: CGI-Hayden,Harper\Despard-1
 DRAWING #: WW-6 - Despard-1.pdf
 SCALE: see bar scale above
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: survey grade GPS

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.: 1065



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



DATE: October 24, 2013
 OPERATOR'S WELL #: Despard - 1
 API WELL #: 47 007 01237 P
 STATE COUNTY PERMIT

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

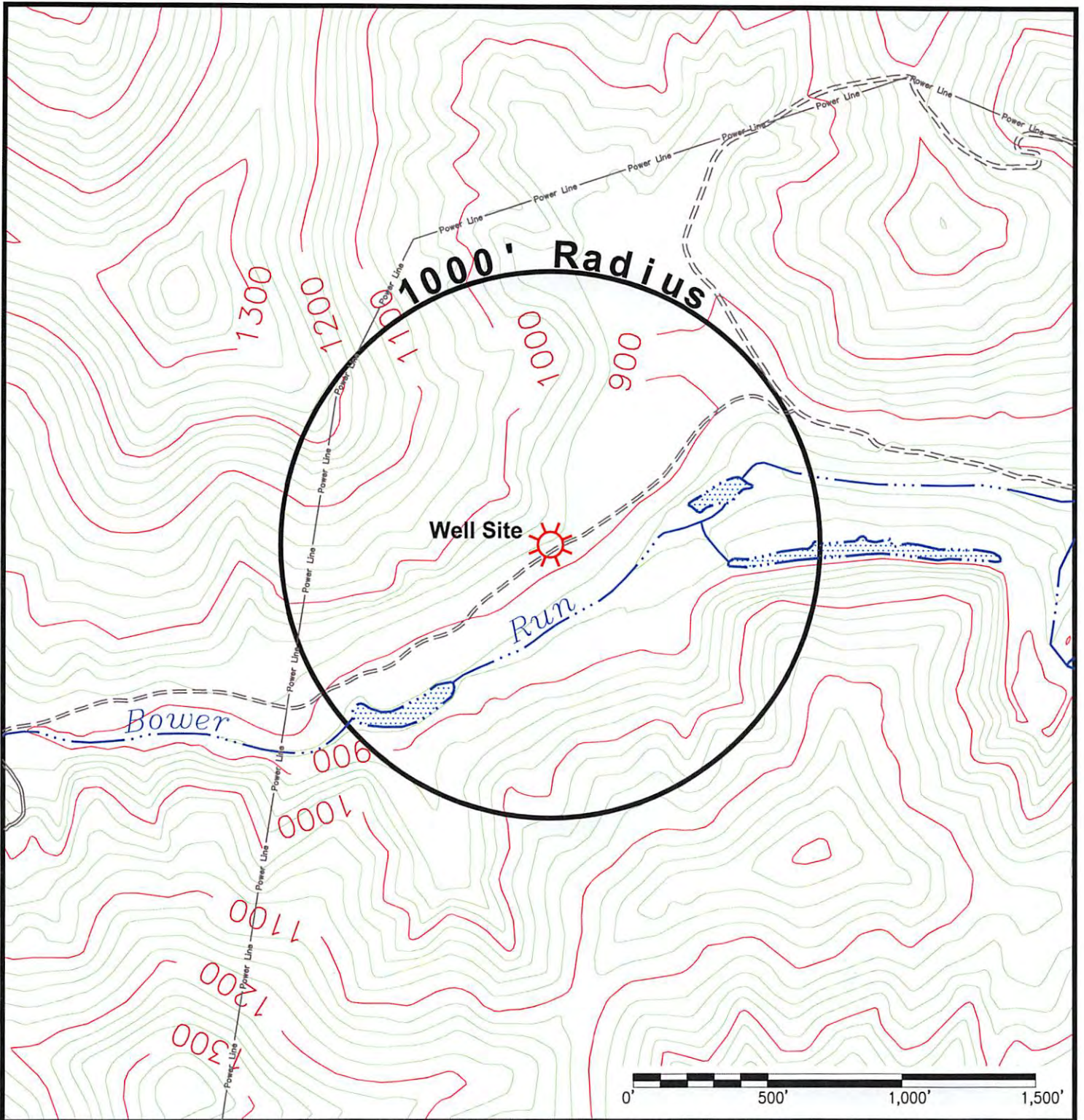
WATERSHED: Bower Run of Copen Run of Little Kanawha River ELEVATION: 900.88
 COUNTY/DISTRICT: 007-Braxton / 4-Salt Lick QUADRANGLE: 272 - BURNSVILLE
 SURFACE OWNER: Michael Ross, Inc. ACREAGE: 259.29 ac.
 OIL & GAS ROYALTY OWNER: Michael Ross, Inc. ACREAGE: 30 ac.

RECEIVED
 Office of Oil & Gas

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: Big Injun ESTIMATED DEPTH: 2120
 WELL OPERATOR HARPER, HAYDEN ENERGY KA, LLC DESIGNATED AGENT Brett McDonough
 Address 1001 MOOREHEAD SQUARE DR. - SUITE 350 Address 1001 Moorehead Square Drive - Suite 350
 City CHARLOTTE State NC Zip Code 28203 City Charlotte State NC Zip Code 28203

DEC 18 2013
 01/10/2014
 WV Department of Environmental Protection



Burnsville WV, 7-1/2' Quadrangle

Notes:

No water wells or other sources of groundwater currently being used for human consumption, domestic animals or other general uses were identified within 1000' of the proposed well site.

Legend:

- Water Well 
- Spring 
- Wet Spot 
- House/Structure 

DEC 18 2013



WW-9 Despard 1

Located near Copen in Salt Lick District of Braxton County, West Virginia

WV Department of Environmental Protection

01/10/2014