



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

June 05, 2015

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-8702765, issued to HG ENERGY, 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.

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: 2
Farm Name: McGRAW, C. H.
API Well Number: 47-8702765
Permit Type: Re-Work
Date Issued: 06/05/2015

Promoting a healthy environment.

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. 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 with 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.
9. API Well # 47-087-02765W must have protection placed around the wellhead to prevent surface water or well effluent from draining down the wellbore behind the surface casing. The design must meet with the inspector's approval.

WW - 2B
(Rev. 8/10)

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

1) Well Operator: HG Energy, LLC 494497948 Roane Smithfield Looneyville 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Charles McGraw 2 3) Elevation: 1085'

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

5) Proposed Target Formation(s): Big Injun Proposed Target Depth: 2115'
6) Proposed Total Depth: 2115' Feet Formation at Proposed Total Depth: Big Injun
7) Approximate fresh water strata depths: NA
8) Approximate salt water depths: 1150

9) Approximate coal seam depths: NA

10) Approximate void depths, (coal, Karst, other): NA

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)
Clean out, Pull existing 5 3/16" casing - Run new 4 1/2" casing and cement. Stimulate with small volume (less than 600 BBL) frac job.

3/25/15

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	
Conductor						
Fresh Water						
Coal						
Intermediate	6 5/8"	NA	NA	1942	1942	Use existing casing
Production	4 1/2"	J-55	10.5#	2065'	2065'	50 sacks
Tubing						
Liners						

Received
Office of Oil & Gas
MAR 30 2015

Packers: Kind: _____
Sizes: _____
Depths Set _____

8702765 W

cmr *on class* Farm.
E. H. McEraw Farm.
District County.

at by
drilled by
egan drilling 190 Completed Contractor.
190

ROCK FORMATION	TOP	BOTTOM	REMARKS
Water	1987	...	
"	1997		
Big Lumen	2066	2115	
Total depth		2115	
Shot 11-30-39 - 40 ft @ 2105' - 2115'			

CASING RECORD

Size	CHARGED TO WELL		PUT IN WELL		PULLED OUT		LEFT IN WELL		Transferred before Completion		Left at Well Not in Use	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
10 x 8 1/4 6 5/8 5 3/16			200 912 1942 2048		200 912							

Production }
First 24 Hours } 20 Bbls. Signed *John C. God* Supt.
Production }
First 24 Hours } Bbls. Signed

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Office of Oil & Gas
MAR 30 2015

Well No. 2 E. N. McGraw Farm. 8702765W
 Lease No. Smithfield District Rowan County.
 Rig built by W B Wilson
 Well drilled by S O J ac Contractor.
 Began drilling Mch 17 1901 Completed May 4 1901

ROCK FORMATION	TOP	BOTTOM	REMARKS
Conductor		16	EI=1084.8
Sand	16	30	
Slate	30	80	
Sand	80	120	
Slate & shells	120	250	
Sand	250	300	
Slate	300	575	
Sand	575	625	
Slate	625	835	
Little Runnard	835	845	
Slate	845	900	
Lime	900	905	
Big Runnard	905	1010	
Slate	1010	1013	
Sand	1013	1120	
Slate & shells	1120	1250	
Sand	1250	1300	
Slate	1450	1610	
Dark Sand	1610	1700	
show of oil	1650		
Little Lime	1900	1931	
Fossil Lave	1931	1938	
Big Lime	1938	2066	

CASING RECORD

Size	CHARGED TO WELL		PUT IN WELL		PULLED OUT		LEFT IN WELL		Transferred before Completion		Left at Well Not in Use	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
									Shot 5/4/11 - 2096 - S. Wilson			

Production }
 First 24 Hours } Dbls. Signed Supt.

ent
E. H. M. Gray
 District

Farm.
 Farm.
 County.

at by
 drilled by
 organ drilling

190 Completed

Contractor.
 190

ROCK FORMATION	TOP	BOTTOM	REMARKS
Water	1487		
"	1997		
Big Limestone	2066	2115	
Total depth		2115	

Shot 11-30-54 - 40 ft @ 2105' - 2115'

CASING RECORD

Size	CHARGED TO WELL		PUT IN WELL		PULLED OUT		LEFT IN WELL		Transferred before Completion		Left at Well Not in Use	
	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.
10			200		200							
8 1/4			912		912							
6 5/8			1942									
5 3/16			2048									

Production }
 First 24 Hours } 20 Bbls. Signed *John E. Ford* Dept.
 Production }
 First 24 Hours } Bbls. Signed Dept.

Received
 Office of Oil & Gas
 MAR 30 2015

WW-2A
(Rev. 6-14)

CK# 2982
650.00

1.) Date: March 19, 2015
2.) Operator's Well Number Charles McGraw 2
State County Permit
3.) API Well No.: 47- Roane - 2765

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 Richard Fisher et al
Address 4513 Clay Road
Spencer, WV 25276
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Ed Gainer
Address P. O. Box 821
Spencer, WV 25276
Telephone 304-389-7582
5) (a) Coal Operator
Name NA
Address _____
(b) Coal Owner(s) with Declaration
Name NA
Address _____
(c) Coal Lessee with Declaration
Name NA
Address _____

Received
Office of Oil & Gas
MAR 30 2015

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

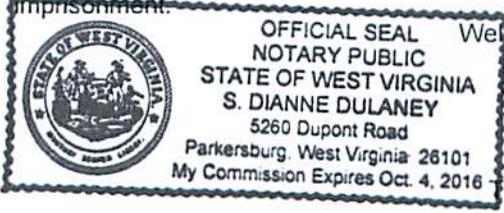
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
OR
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

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)
 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 HG Energy, LLC
By: Diane White *Diane White*
Its: Agent
Address: 5260 Dupont Road
Parkersburg, WV 26101
Telephone: 304-420-1119
Email: dwhite@hgenergyllc.com

Subscribed and sworn before me this 19th day of March, 2015

Dianne Dulaney

Notary Public

My Commission Expires Oct. 4, 2016
Oil and Gas Privacy Notice

8702765W

SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:

Richard Fisher et al
4513 Clay Road
Spencer WV 25276

CM2

2. Article Number
(Transfer from service label)

7012 3050 0002 3568 6161

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Handwritten Signature]

Agent

Addressee

B. Received by (Printed Name)

Richard Fisher

C. Date of Delivery

3/21/15

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below: No

3. Service Type

Certified Mail® Priority Mail Express™

Registered Return Receipt for Merchandise

Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

Yes

WW-2A1
(Rev. 1/11)

Operator's Well Number Charles McGraw 2

**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
C. H. and Mary McGraw	South Penn Oil Company	1/8	17/570

See attached sheet for additional information

**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:

Diane White
HG Energy, LLC
Diane White, Agent

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

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Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
CH and Mary McGraw	South Penn Oil Company	1/8	17/570

Merger and Conveyance dated July 3, 1963, from South Penn Oil Company to Penzoil Company, Kanawha County, Book 153, Page 35,

Assignment, Conveyance and Bill of Sale dated December 28, 1998, from Pennzoil Company to Pennz Energy Exploration and Production, Wetzel County, Book 12, Page 177.

Certificate of Merger filed with the WV Secretary of State, December 31, 1999, whereby Pennz Energy Exploration and Production, successor in interest to; to Penzoil Company, merged with Devon Energy Production Company, LP, Wetzel County, Book 12, Page 278.

Deed, Assignment and Bill of Sale dated June 1, 2000, from Devon Energy Production Company, LP to East Resources, Inc., recorded in Wetzel County, Book 370, Page 580.

Assignment, Conveyance and Bill of Sale, dated January 1, 2011, from East Resources, Inc., to HG Energy, LLC, Wetzel County, Book 118A, Page 253.

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including the use of access roads, pipelines and utilities.

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

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

Well Operator: HG Energy, LLC
By: Diane C. White *Diane White*
Its: Agent

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HG Energy, LLC OP Code 494497948

Watershed (HUC 10) Rush Run Quadrangle Looneyville 7.5'

Elevation 1085' County Roane District Smithfield

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: Fluids encountered while stimulating subject well

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 25561)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

Will closed loop system be used? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, Fresh Water

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

Additives to be used in drilling medium? Water, soap, KCl

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

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

-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.

Received
Office of Oil and Gas
MAR 30 2015

Company Official Signature Diane White

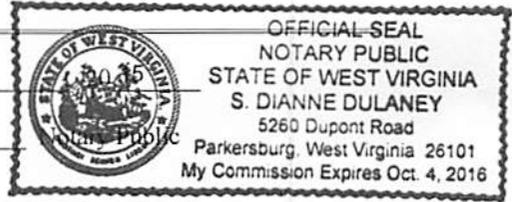
Company Official (Typed Name) Diane White

Company Official Title Agent

Subscribed and sworn before me this 19th day of March

S. Dianne Pulone
Oct. 4, 2016

My commission expires Oct. 4, 2016



Form WW-9

Operator's Well No. Charles McGraw 2

Proposed Revegetation Treatment: Acres Disturbed .03 acres Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch Straw 2 Tons/acre

Seed Mixtures

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

**** Sediment Control Should be in Place at all Times ****

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: Inspector

Date: 3/25/15

Field Reviewed? () Yes

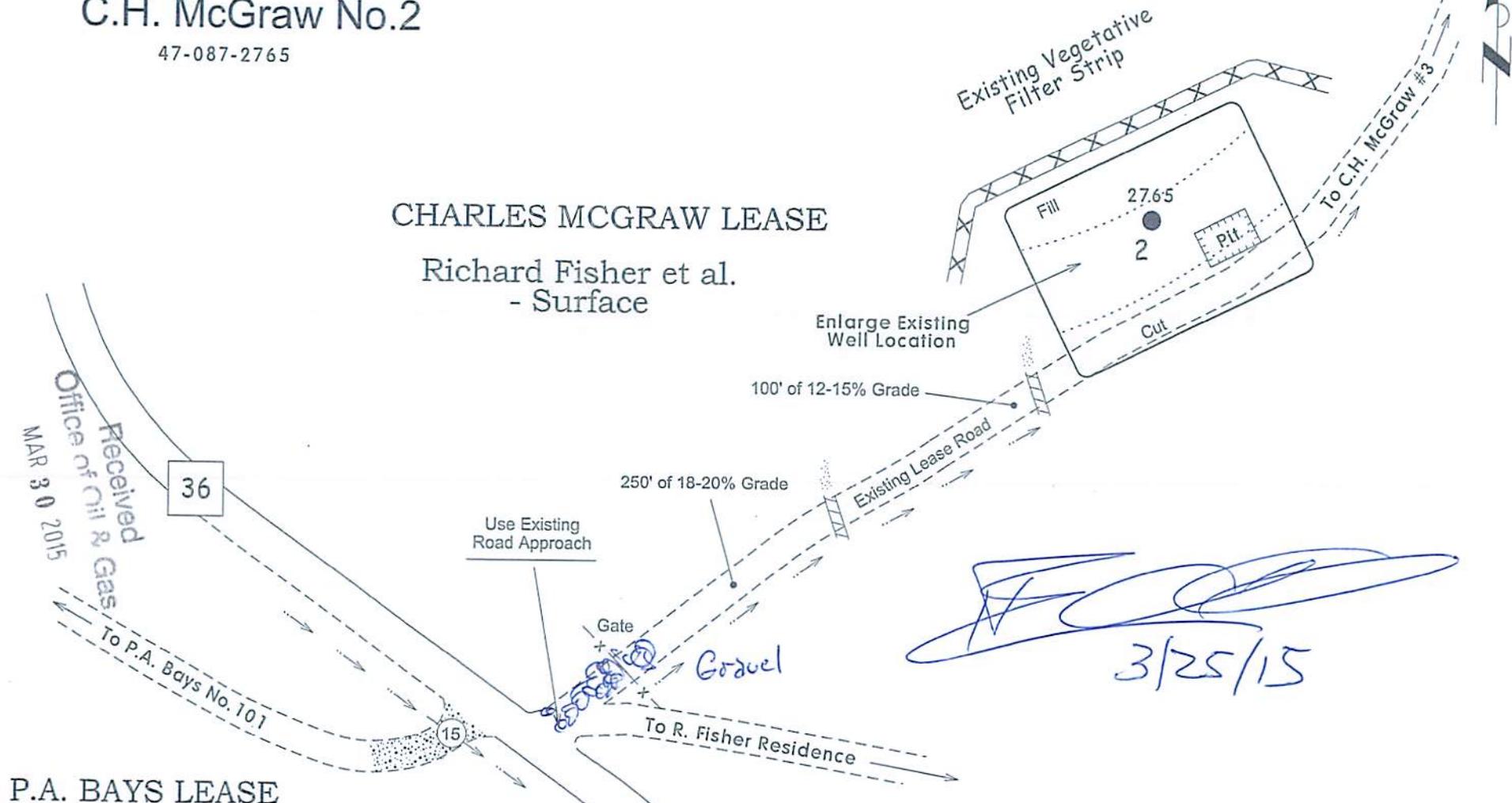
(X) No

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Office of Oil & Gas
MAR 30 2015

Reclamation Plan For: C.H. McGraw No.2

47-087-2765

CHARLES MCGRAW LEASE
Richard Fisher et al.
- Surface



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Office of Oil & Gas
MAR 30 2015

[Handwritten Signature]
3/25/15

P.A. BAYS LEASE

Notes:

- Requested permit is for re-completion of existing well.
- Location and access road from WV SR 36 to the well is existing. Structures shown will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Sediment barriers and drainage structures will be maintained.
- All road grades <5% except as noted.

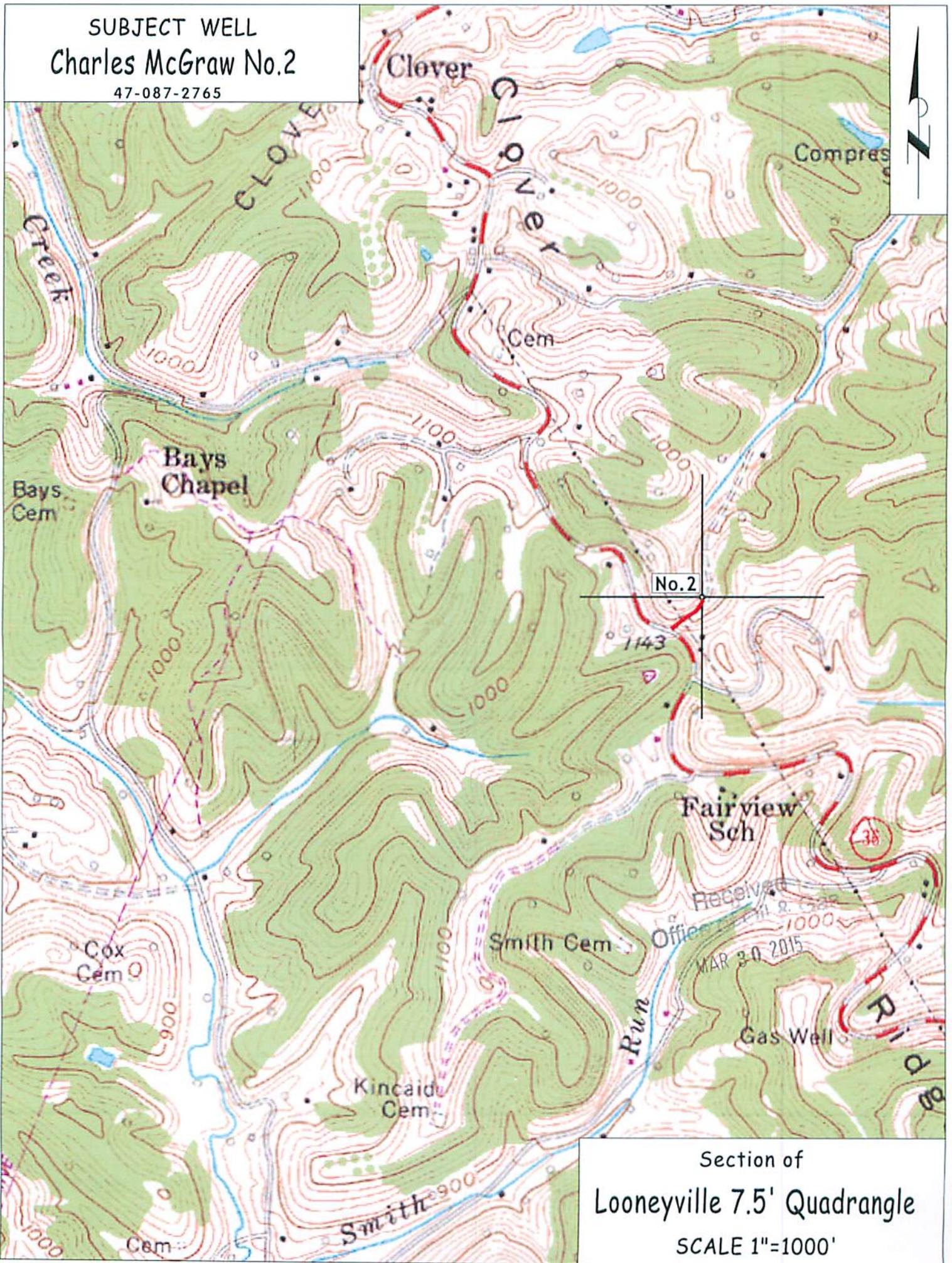
NOTE
 REFER TO THE WVDEP
 EROSION AND SEDIMENT CONTROL
 FIELD MANUAL VER. MAY 2012 FOR
 BMPs CONTROLLING EROSION AND
 SEDIMENT FROM SOIL-DISTURBING
 OPERATIONS.

Note: Drawing not to Scale

8702765W

4702765W

SUBJECT WELL
Charles McGraw No.2
47-087-2765



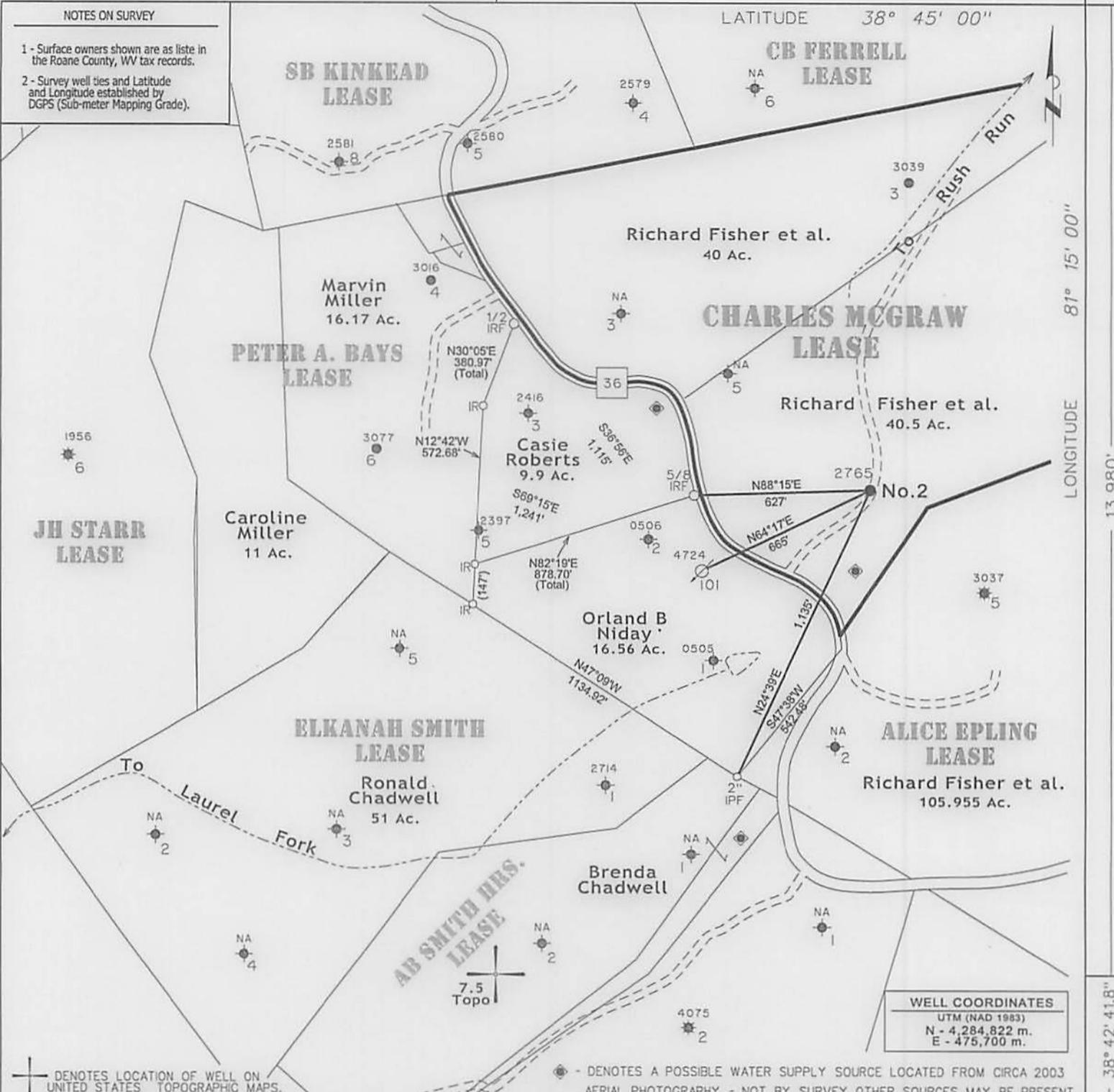
Section of
Looneyville 7.5' Quadrangle
SCALE 1"=1000'

CB FERRELL LEASE

SB KINKEAD LEASE

NOTES ON SURVEY

- 1 - Surface owners shown are as listed in the Roane County, WV tax records.
- 2 - Survey well ties and Latitude and Longitude established by DGPS (Sub-meter Mapping Grade).



LONGITUDE 81° 15' 00"

13,980'

Latitude - 38° 42' 41.8"

WELL COORDINATES
 UTM (NAD 1983)
 N - 4,284,822 m.
 E - 475,700 m.

⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

⊙ - DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY Sub-Meter
 PROVEN SOURCE OF ELEVATION DGPS Survey

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 MINES.

(SIGNED) *[Signature]*
 TIMOTHY P. ROUSH PS 793

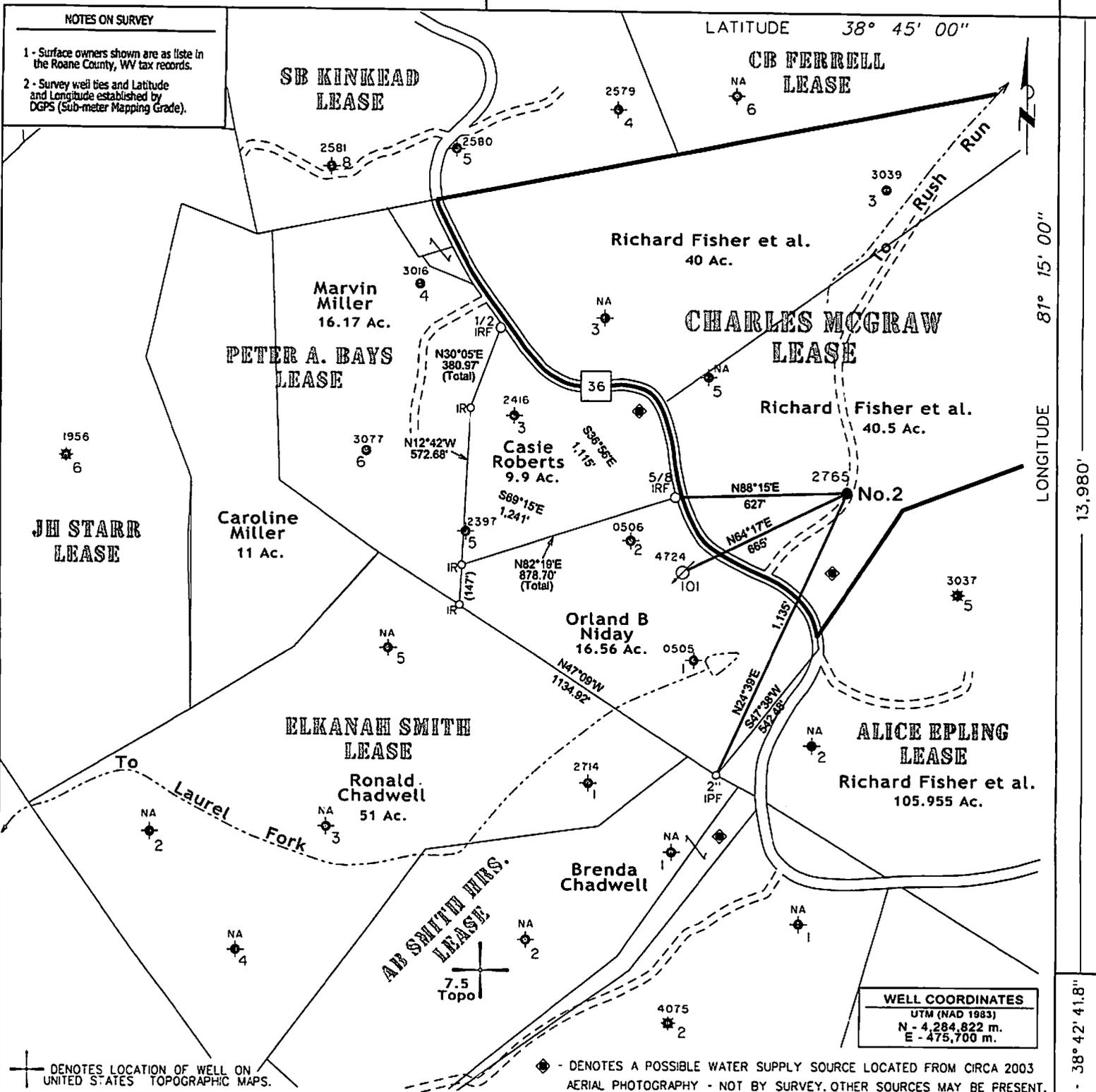


WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25304



DATE March 18, 2015
 FARM Charles McGraw No.2
 API WELL NO. 47 - 087 - 02765 W

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____ HORIZONTAL _____
 LOCATION: ELEVATION 1,085' WATERSHED Rush Run
 DISTRICT Smithfield COUNTY Roane
 QUADRANGLE Looneyville 7.5'
 SURFACE OWNER Richard Fisher et al. ACREAGE 40.5 Ac.
 OIL & GAS ROYALTY OWNER George W. Carr et al. LEASE ACREAGE 75 Ac.
 LEASE NO. 61420-50
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Clean Out & Run Casing
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Big Injun ESTIMATED DEPTH 2,115'
 WELL OPERATOR H.G Energy, LLC DESIGNATED AGENT Diane White
 ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101



NOTES ON SURVEY

1 - Surface owners shown are as listed in the Roane County, WV tax records.

2 - Survey well ties and Latitude and Longitude established by DGPS (Sub-meter Mapping Grade).

WELL COORDINATES
 UTM (NAD 1983)
 N - 4,284,822 m.
 E - 475,700 m.

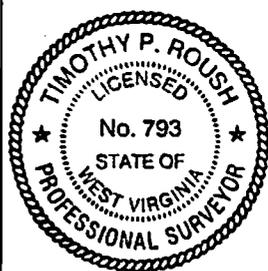
✦ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

✦ DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.

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 DRAWING NO. _____
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 MINIMUM DEGREE OF ACCURACY Sub-Meter
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(SIGNED) *[Signature]*
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25304



DATE March 18, 2015
 FARM Charles McGraw No.2
 API WELL NO. 47 - 087 - 02765 W

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____ HORIZONTAL _____
 LOCATION: ELEVATION 1,085' WATERSHED Rush Run
 DISTRICT Smithfield COUNTY Roane
 QUADRANGLE Looneyville 7.5'
 SURFACE OWNER Richard Fisher et al. ACREAGE 40.5 Ac.
 OIL & GAS ROYALTY OWNER George W. Carr et al. LEASE ACREAGE 75 Ac.
 LEASE NO. 61420-50
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Clean Out & Run Casing
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Big Injun ESTIMATED DEPTH 2,115'
 WELL OPERATOR H.G Energy, LLC DESIGNATED AGENT Diane White
 ADDRESS 5260 Dupont Road Parkersburg, WV 26101 ADDRESS 5260 Dupont Road Parkersburg, WV 26101

Received
 Office of Oil & Gas
 MAR 30 2015

McLaughlin, Jeffrey W

From: Roger L. Heldman <rheldman@hgenergyllc.com>
Sent: Friday, May 29, 2015 12:07 PM
To: McLaughlin, Jeffrey W
Subject: FW: McGraw # 2
Attachments: IMG_0137.JPG; ATT00001.c; IMG_0136.JPG; ATT00002.c; IMG_0135.JPG; ATT00003.c

Jeff,

Please see attached pictures of McGraw 2. I don't know the purpose of the partial drum around the wellhead but you can see the clamps for the 5 1/2" casing resting on top of the 6 5/8" casing. As we discussed this morning we can figure out some sort of diverter for the wellhead to alleviate your concerns.

Roger

-----Original Message-----

From: Dave Thomas
Sent: Friday, May 29, 2015 11:30 AM
To: Roger L. Heldman
Subject: McGraw # 2

8702765W

C. H. Mcgraw
#2
47-087-2765

