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

March 16, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6700155, issued to CABOT OIL & GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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 penalities 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: M. E. AMICK 1
Farm Name: PARSONS, VIRGIL E. & JUNE
API Well Number: 47-6700155
Permit Type: Plugging
Date Issued: 03/16/2015

Promoting a healthy environment.

6700155P

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.

67 00155P

WW-4B
Rev. 2/01

1) Date January 22, 2015
2) Operator's Well No. M.E. Amick #1
3) API Well No. 47-067 - 00155

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 ____ / Shallow X

5) Location: Elevation 715.14' Watershed Twentymile Creek of Gauley River
District Jefferson County Nicholas Quadrangle Gauley Bridge

6) Well Operator Cabot Oil & Gas Corporation
Address Five Penn Center West, Ste. 401
Pittsburgh, PA 15276

7) Designated Agent Whitney Johnson
Address P.O. Box 450
Glasgow, WV 25086

8) Oil and Gas Inspector to be notified
Name Ed Gainer
Address P.O. Box 821
Spencer, WV 25276

9) Plugging Contractor
Name Contractor Services, Inc.
Address 929 Charleston Road
Spencer, Wv 25276

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached Sheet

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Office of Oil and Gas
FEB 03 2015
WV Department of
Environmental Protection

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

Work order approved by inspector _____ Date 2/3/15

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M. E. Amick #1
API # 47 - 067 - 00155
PLUGGING PROCEDURE

Current Configuration
DTD @ 2231'
Elevation @ 715'
13 3/8" conductor @ 20'
10" 32.75# casing @ 204'
7" 26# casing @ 1523'
Berea @ 2115' – 2184'
Injun @ 1700' – 1720'
Keener @ 1664' – 1700'
Big Lime @ 1491' – 1664' with gas shows @ 1491' & 1639'
No coal reported
Water @ 38'

PROCEDURE

1. Contact Glasgow Office a minimum of 48 hours prior to starting work.
2. Contact State Inspector a minimum of 24 hours prior to starting work.
3. Lay 2" line from wellhead to pit/tank and stake down securely.
4. MIRU service rig and blow down well. Have vacuum truck available to catch any fluids circulated from well.
5. Unpack wellhead.
6. TIH with 2-3/8" work string to 2200'.
7. MIRU Cement Company and pump 20 bbls 6% Gel followed by 20 sks of Class A cement for plug 1 from 2200' to 2090'. if 2 3/8" work string
8. Displace w/ 8 bbls of 6% Gel.
9. Pull work string up to 1660' and pump 20 sks of Class A cement for plug 2 from 1660' to 1550'.
10. Displace w/ 6 bbls of 6% Gel. 2 3/8" work string
11. TOOH with work string.
12. Pull 7" casing.
13. TIH with work string to 1500' and pump 50 bbls 6% Gel followed by 60 sks of Class A cement for plug 3 from 1500' to 1300'. if 2 3/8 work string
14. Displace w/ 5 bbls of 6% Gel.
15. Pull work string up to 750' and pump 60 bbls 6% Gel followed by 50 sks of Class A cement for plug 4 from 750' to 650'.
16. Displace w/ 2 ½ bbl of 6% Gel.
17. TOOH with work string.
18. Pull 10" casing and 13 3/8" conductor.
19. TIH with work string to 150' and pump 110 sks of Class A cement for plug 5 from 150' to surface.
20. TOOH with work string and lay down.
21. RDMO Cementing Company.
22. Place monument as required by law on top of well bore.
23. Reclaim well site.

Get all changes approved by Inspector

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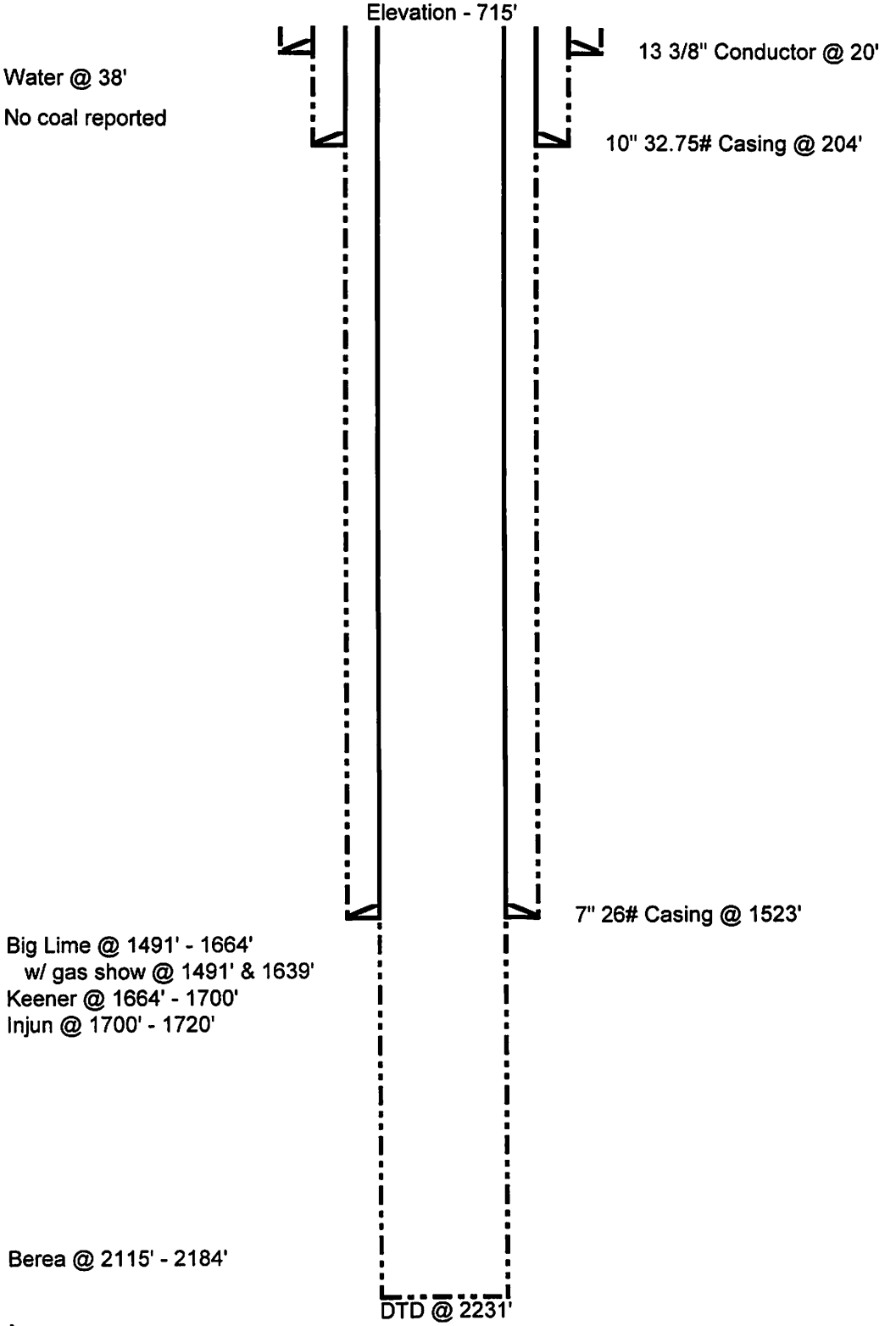
6700155P

M. E. Amick #1
API 47-067-00155
CURRENT CONFIGURATION
Elevation - 715'



Schematic is not to scale

T. Ott 01/20/15

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Fayetteville
Nic-155

6700155P

GODFREY L. CABOT, INC.

WELL RECORD 3

SERIAL NO. 1425 OPERATING DISTRICT Auk Map Square / Lot No. / Warrant No. 30-54

FARM M. E. Amick NO. 1 LEASE NO. W.V.74

COUNTY Nicholas TAX DISTRICT TOWNSHIP Jefferson STATE W. Va.

DRILLING COMMENCED 9-15-54 DRILLING COMPLETED 11-4-54

CONTRACTOR Company tools ADDRESS

ROCK PRESSURE RECORD

Big Lime Sand 213 lbs., in 96 hrs.
Sand lbs., in hrs.
Sand lbs., in hrs.

OPEN FLOW
Time, Condition: After acidizing and pulling tubing:
Water ____ 10ths Mercury in inch opening
Volume 76 M. C. F.

24 HOUR PRODUCTION TEST AFTER TUBING

52 M. C. F. 80 Line Pressure
Bbls. Oil in 24 Hours

TUBED AND SHUT IN Date
Packer, Size Kind
Set, Depth Size Anchor
Perf. Top Bottom
Perf. Top Bottom

ELEVATION: 715

PRODUCING SAND RECORD

Big Lime Sand, from 1610 to 1660 Init. Prod. 47 M. C. F. Ga
Sand, from to Init. Prod. M. C. F. Ga
Sand, from to Init. Prod. M. C. F. Ga

CASING RECORD

SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
13-3/8	48#	20	20	
10"	32.75	204	204	Shoe.
8"	24#	1129	None	Bottom hole packer.
7"	26#	1523	1523	Shoe.

SHOOTING RECORD

Acid ~~Shot~~ with 2000 gals from 1610 to 1660 Date 11-18-54
Gauge Before {Acid ~~Shot~~} 47 Mcf Gauge 24 Hrs. After {~~Acid~~ ~~Shot~~} acidize 76 Mcf

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Gravel		0	10					
Sand		10	59			Water	38	Hole full.
Slate & Shell		59	105					
Lime		105	128					
Sand		128	150					
Slate & Shell		150	175					
Sand		175	230					
Slate & Shell		230	260					
Sand		260	280					
Slate & Shell		280	300					
Lime		300	369					
Sand		369	468					
Lime		468	500					
Slate & Shell		500	520					
Sand		520	830					
Slate & Shell		830	867					
Sand		867	908					
Slate & Shell		908	980					
Sand		980	1040					
Slate & Shell		1040	1100					
Sand		1100	1107					
Red Rock		1107	1130					
Shale		1130	1153					
Sand		1153	1170					
Red Rock		1170	1336					
Shale		1336	1345					
Sand		1345	1390					
Lime		1390	1473					
Shale & Lime		1473	1491			Oil	1491	Show only.
Big Lime		1491	1664	1491		Gas	1491	70 Mcf; decreased to 21 Mcf.
Keener		1664	1700			Gas	1623	Show.
Injun		1700	1720			Gas	1639	492 M decreased to 47 M.
Siltstone & Shale		1720	1840					
Shale		1840	1895					
Slate		1895	2102					
Shale	Brown	2012	2115					
Berea		2115	2184					Grey, very fine grained sand.

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SERIAL NO. 1425 FARM M. E. AMICK NO. 1 OPERATING DIST. TOWNSHIP Auk MAP SQUARE LOT NO. 30-54 WARRANT NO.

TD 2231'

6700155P

ERIAL NO. 1425 FARM M. E. Amick NO. 1 OPERATING DIST. Auk MAP SQUARE 30-51
TOWNSHIP LOT NO.
WARRANT NO.

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
hale		2184	2231					
otalDepth			2231					

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OTAL DEPTH

DATE

APP

67001155P

WW-4A
Revised 6-07

1) Date: January 22, 2015
2) Operator's Well Number
M.E. Amick #1

3) API Well No.: 47 - 067 - 00155

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name: Darrell Moore
Address: P.O. Box 201
Belva, WV 26656
(b) Name: Ronnie Williams, Jr., & Tina Williams
Address: 1442 Vaughan Road
Belva, WV 26656
(c) Name: Joyce Moore c/o Vivian Moore
Address: 1504 Vaughan Road
Belva, WV 26656

6) Inspector: Ed Gainer
Address: P.O. Box 821
Spencer, WV 25276
Telephone: (304) 389-7582

5) (a) Coal Operator
Name: Little Eagle Coal Company
Address: P.O. Box 134
Bickmore, WV 25019
(b) Coal Owner(s) with Declaration
Name: Darrell Moore
Address: P.O. Box 201
Belva, WV 26656
Name:
Address:
(c) Coal Lessee with Declaration
Name: None of Record
Address:

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.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Constance C. Carden, Notary Public
McDonald Boro, Washington County
My Commission Expires Nov. 16, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator: Cabot Oil & Gas Corporation
By: Kenneth L. Marcum
Its: Regulatory Supervisor
Address: Five Penn Center West, Suite 401
Pittsburgh, PA 15276
Telephone: (412) 249-3850

Subscribed and sworn before me this 22nd day of January 2015
Constance C. Carden Notary Public
My Commission Expires November 16, 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 depprivacyoffier@wv.gov.

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Sent To Little Eagle Coal Company
Street & or PO B P.O. Box 134
City, Sta Bickmore, WV 25019
M.E. Amick #1 P&A

PS Form 3800, July 2014 See reverse for instructions

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Se Darrell Moore
Si or P.O. Box 201
Ci Belva, WV 26656
M.E. Amick #1 P&A

PS Form 3800, July 2014 Instructions

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Sent To Ronnie Williams, Jr., & Tina Williams
Street & or PO B 1441 Vaughan Road
City, Sta Belva, WV 26656

PS Form

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Sent To Joyce Moore c/o Vivian Moore
Street & Ap 1504 Vaughan Road
or PO Box
City, State, Belva, WV 26656
M.E. Amick #1 P&A

PS Form 3

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Sent Ed Gainer
Stree P.O. Box 821
or PC
City, Spencer, WV 25276
M.E. Amick #1 P&A

PS Form

Received
Office of Oil & Gas
JAN 27 2015

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:

Ronnie Williams, Jr., & Tina Williams
1441 Vaughan Road
Belva, WV 26656

M.E. Amick #1 P&A

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

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

2. Article Number *(Transfer from service label)* 7014 2120 0003 6926 5965

PS Form 3811, July 2013 Domestic Return Receipt

Received

FEB - 2 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

6700155P

WW-9
Rev. 5/10

Page 1 of
API Number 47 - 067 - 00155
Operator's Well No.

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Cabot Oil & Gas Corporation OP Code

Watershed Twentymile Creek of the Gauley River Quadrangle Gauley Bridge

Elevation 715' County Nicholas District Jefferson

Description of anticipated Pit Waste: None - no cuttings produced during plugging operation

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

Will a synthetic liner be used in the pit? N/A. If so, what mil.?

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 ____

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

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

Additives to be used?

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cuttings produced during plugging operation

-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 Kenneth L. Marcum

Company Official (Typed Name) Kenneth L. Marcum

Company Official Title Regulatory Supervisor

Subscribed and sworn before me this 22nd day of January, 20~~14~~ 15

Constance C. Carden Notary Public

My commission expires November 16, 2017

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COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Constance C. Carden, Notary Public
McDonald Boro, Washington County
My Commission Expires Nov. 16, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

67001550

Form WW-9

Operator's Well No._____

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches (12)
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH 6.5

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 1000 to 1500 Tons/acre

Seed Mixtures

Area I			Area II		
Seed Type	lbs/acre		Seed Type	lbs/acre	
Grain Rye -	100	Red Clover - 5 Fescue - 40	Grain Rye -	100	Red Clover - 5 Fescue - 40
Annual Rye -	20	White Clover - 5	Annual Rye -	20	White Clover - 5
Perennial Rye -	10	Alta Sweet Clover - 5	Perennial Rye -	1	Alta Sweet Clover - 5
Yellow Clover -	5	Birdsfoot Trefoil - 10	Yellow Clover -	5	Birdsfool Trefooil - 10

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:_____ Date:_____

Field Reviewed? (_____) Yes (_____) No

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6700155P

GENERAL NOTES:

THIS DRAWING REPRESENTS A SCHEMATIC REPRESENTATION OF THE PROPOSED WELL SITE AND ACCESS ROAD. PROPOSED STRUCTURES SUCH AS THE DRILLING PIT, ROADWAY, CULVERTS, SEDIMENT BARRIERS, ETC. ARE SHOWN IN THEIR APPROXIMATE PREPLANNING CONFIGURATION. GIVEN UNFORESEEN CIRCUMSTANCES, THE AS-BUILT LOCATION OF THESE STRUCTURES MAY VARY SLIGHTLY FROM THE LOCATION SHOWN ON THE ATTACHED DRAWINGS.

ALL ROADS SHOWN THEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH GUIDELINES AND REQUIREMENTS OF WEST VIRGINIA DEPARTMENT OF OIL AND GAS EROSION AND SEDIMENT CONTROL MANUAL.

ALL CULVERTS SHOWN ON THIS DRAWING ARE PROPOSED AND WILL BE A MINIMUM OF 15" IN DIAMETER UNLESS OTHERWISE NOTED.

DITCH LINES AND CULVERTS WILL BE INSTALLED WHENEVER PRACTICAL. HOWEVER PORTIONS OF THE EXISTING/ PROPOSED ROADS WHICH ARE LOCATED IN SOLID ROCK SHALL NOT REQUIRE DITCHES OR CROSS DRAINS, UNLESS OTHERWISE WARRANTED BY FIELD CIRCUMSTANCES.

SUPPLEMENTAL DRAINAGE AND/OR SEDIMENT CONTROL STRUCTURES MEASURES IN ADDITION TO THOSE SHOWN ON THE ATTACHED DRAWINGS WILL BE INSTALLED WHEN AND WHERE DEEMED NECESSARY. SUCH ADDITIONAL MEASURES MAY CONSIST OF EITHER STRAW BALES, SILT FENCES OR OTHER MEASURES OUTLINED IN THE WEST VIRGINIA DEPARTMENT OF OIL AND GAS EROSION AND SEDIMENT CONTROL FIELD MANUAL.

SEDIMENT BASINS (TRAPS) WILL BE CONSTRUCTED AT ALL CULVERTS AND CROSS DRAINS INLETS AS REQUIRED IN THE WEST VIRGINIA DEPARTMENT OF OIL AND GAS EROSION AND SEDIMENT CONTROL MANUAL. FIELD CONDITIONS SUCH AS ROCK OUTCROPS AND BEDROCK MAY PROHIBIT INLET TRAPS BEING INSTALLED WHEN THESE CONDITIONS EXIST. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

A SEDIMENT BARRIERS OF EITHER BRUSH, STRAW BALES, FILTER FENCE, ETC. WILL BE INSTALLED AND MAINTAINED BELOW THE OUT FALL OF ALL PROPOSED CULVERTS AND AT ALL OTHER STORM WATER DRAINAGE POINTS FROM EITHER THE ROADWAY OR THE LOCATION.

ALL NECESSARY TIMBER OR BRUSH WILL BE REMOVED FROM ROUTE OF THE ROADWAY AND LOCATION BY CLEANING AND GRUBBING ACTIVITIES. ANY SALVAGEABLE TIMBER WILL BE CUT AND STACKED TO THE SIDE OF THE ROADWAY OR REMOVED TO A STOCKPILE AREA. THE REMAINING TIMBER OR BRUSH WILL BE CUTUP AND WIND ROWED BELOW THE OUTSLOPE OF THE CONSTRUCTION AREAS TO BE UTILIZED AS A SEDIMENT BARRIER.

SEPARATE PERMITS WILL BE OBTAINED FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION FOR ALL POINTS OF INGRESS AND EGRESS FROM COUNTY AND STATE ROADS. THESE INGRESS AND EGRESS POINTS WILL BE MAINTAINED IN ACCORDANCE WITH CURRENT WEST VIRGINIA DEPARTMENT OF TRANSPORTATION REGULATIONS. A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF 8" OF CRUSHED STONE WILL BE CONSTRUCTED FOR A MINIMUM DISTANCE OF 50' FROM THE INGRESS AND EGRESS POINTS OF ALL PUBLIC ROADWAYS IN ACCORDANCE WITH CURRENT WEST VIRGINIA DEPARTMENT OF TRANSPORTATION REGULATIONS.

ALL CULVERTS SHOWN ON THE ATTACHED DRAWINGS ARE TO BE CONSIDERED PERMANENT AND WILL REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION ACTIVITIES UNLESS NOTED OTHERWISE. A STABILIZED OUTLET CONTROL DEVICE SUCH AS RIP RAP, NATURAL STONE, BRUSH, ETC. WILL BE INSTALLED BELOW THE OUT FALL OF ANY ROADWAY CULVERT(S) WHICH ARE NOT LOCATED IN A STREAM OR CREEK.

PERMANENT CROSS DRAINS OR WATER BARS WILL BE INSTALLED AS AN INTEGRAL PART OF THE RECLAMATION PROCESS AND SHALL BE SPACED IN ACCORDANCE WITH AS-BUILT ROADWAY SLOPES AND TABLE 11-4 OF THE WEST VIRGINIA DEPARTMENT OF OIL AND GAS EROSION AND SEDIMENT CONTROL FIELD MANUAL.

TEMPORARY SEEDING AND MULCHING WILL BE UTILIZED TO PROVIDE A VEGETATIVE COVER ON ALL DISTURBED AREAS I.E. ROADWAYS, LOCATION, ROAD/LOCATION SLOPES AND ANY OTHER AREAS THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES.

THE LOCATION OF DRILLING PIT(S) MAY BE ADJUSTED TO THE MOST ENVIRONMENTAL SAFE SITE TO MEET THE REQUIREMENTS OF THE WVDEP.

CONTRACTORS NOTE:

IT IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND CONDITION OF ALL UNDERGROUND UTILITIES, SANITARY SEWERS, STORM SEWERS, ETC. PRIOR TO THE COMMENCEMENT OF ANY/OR CONSTRUCTION ACTIVITIES. DIG WITH C.A.R.E. CALL MISS UTILITY 1-800-245-4848.

TABLE 11-4 SPACING OF CROSS DRAINS	
ROAD GRADE (%)	DISTANCE (FT)
1	400
2	250
5	135
10	80
15	60
20	45

TABLE 11-7 SPACING OF CULVERTS	
ROAD GRADE (%)	DISTANCE (FT)
2-5	500-300
6-10	300-200
11-15	200-100
16-20	100

DIG WITH C.A.R.E. CALL MISS UTILITY KEEP WEST VIRGINIA SAFE

1-800-245-4848

DRAWING LEGEND

PROPOSED ROAD
EXISTING ROAD
STRAW BALES
SILT FENCE
BRUSH BARRIER
TREE LINE
ROCK RIP RAP
CROSS DRAIN
CULVERT
DRILLING PIT
ROAD DITCH
GAS LINE
FENCE LINE
ROCK OUTCROP
WATER WELL
HOUSE/STRUCTURE
UTILITY POLE
SPRING
WET SPOT
PIT WASTE APP. AREA

DRIVING DIRECTIONS FOR M.E. AMICK 1

1.) FROM CHARLESTON, WV DRIVE EAST ON INTERSTATE 77 FOR 5 MILES± TO THE BELLE, WV INTERCHANGE AND EXIT THE HIGHWAY ONTO U.S. ROUTE 60.
2.) AT THE BOTTOM OF THE EXIT RAMP, BEAR TO THE LEFT AND CONTINUE EAST ON U.S. ROUTE 60 FOR 32.7 MILES± TO THE INTERSECTION OF STATE ROUTE 16.
3.) TURN LEFT AT THE INTERSECTION AND CONTINUE IN A NORTHERLY DIRECTION ON STATE ROUTE 16 FOR 6.3 MILES± TO THE INTERSECTION OF SECONDARY ROUTE 16/3.
4.) TURN RIGHT ONTO SECONDARY ROUTE 16/3, WHICH TURNS INTO SECONDARY ROUTE 20/21 AND CONTINUE IN A NORTHERLY DIRECTION ON SECONDARY ROUTE 20/21 FOR 1.5 MILES± TO THE BEGINNING OF AN EXISTING ACCESS ROAD ON THE RIGHT-HAND SIDE OF THE ROAD.
5.) TURN RIGHT ONTO THE EXISTING ACCESS ROAD FOR 35 FEET± TO THE EXISTING WELL SITE AS SHOWN ON THE "CONSTRUCTION AND RECLAMATION PLAN".

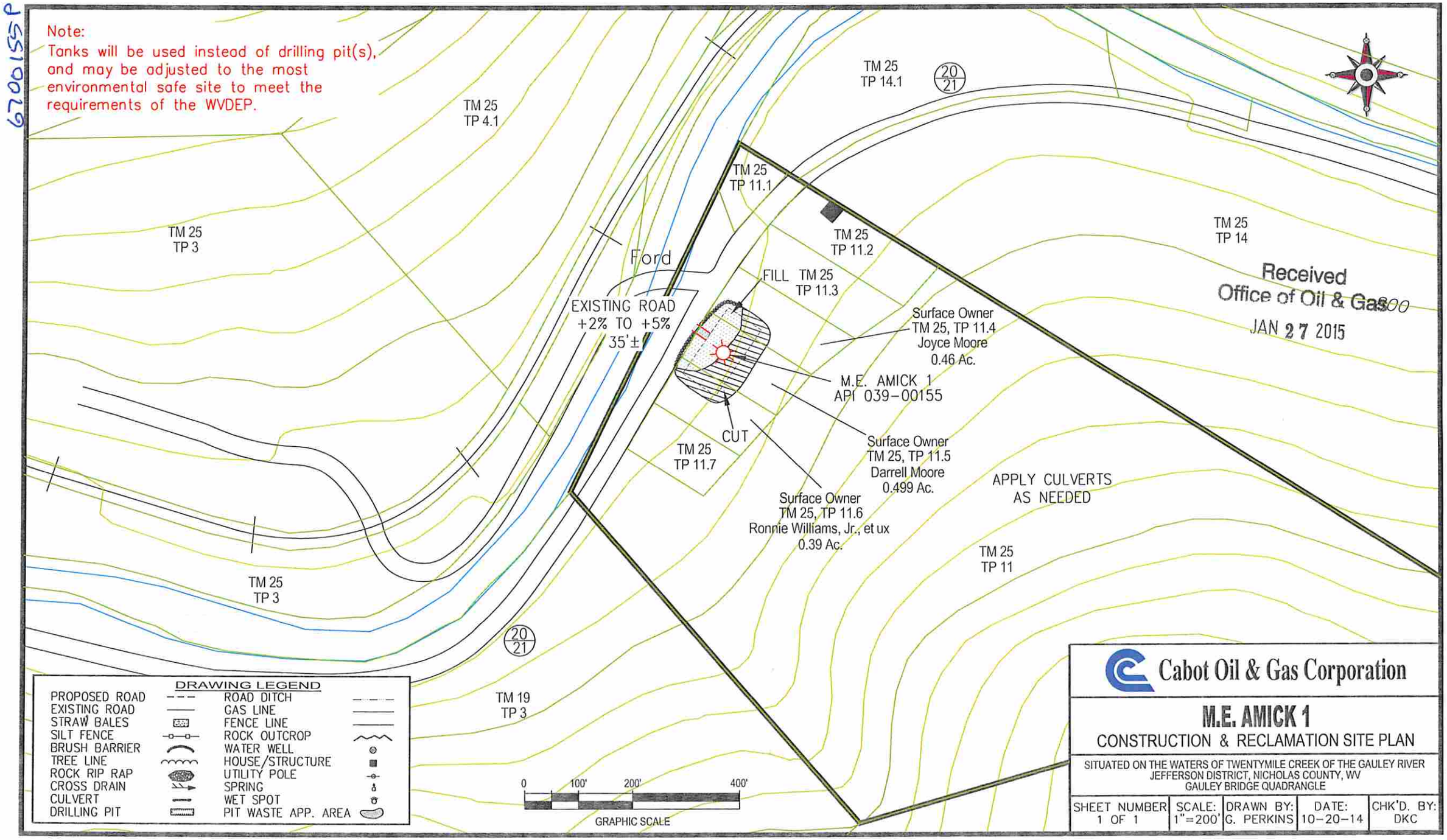
Received
Office of Oil & Gas
JAN 27 2015

Cabot Oil & Gas Corporation

M.E. AMICK 1

JEFFERSON DISTRICT, NICHOLAS COUNTY, WV
GAULEY BRIDGE 7.5' QUADRANGLE

6700155P



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Office of Oil & Gas
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Cabot Oil & Gas Corporation

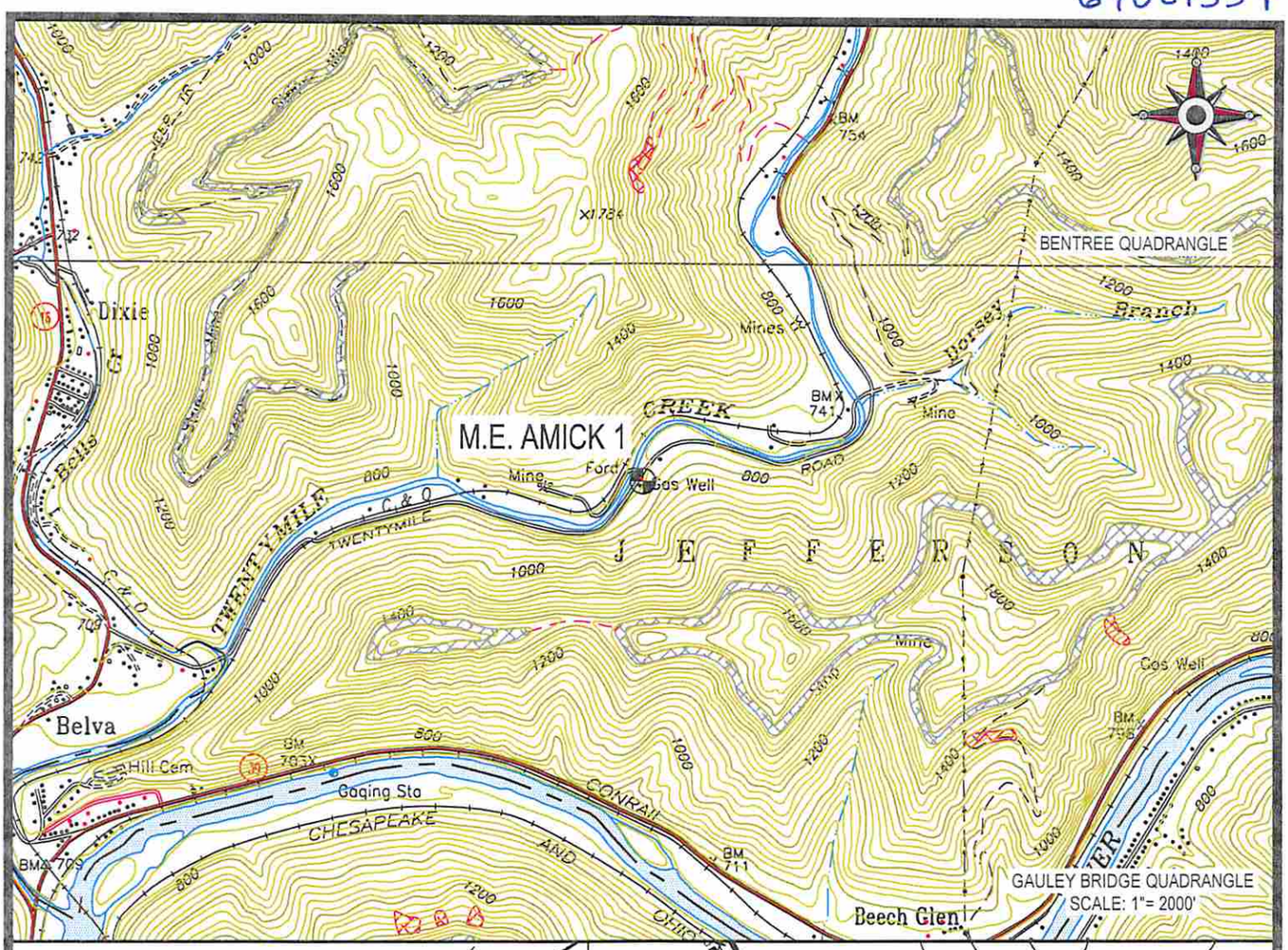
M.E. AMICK 1

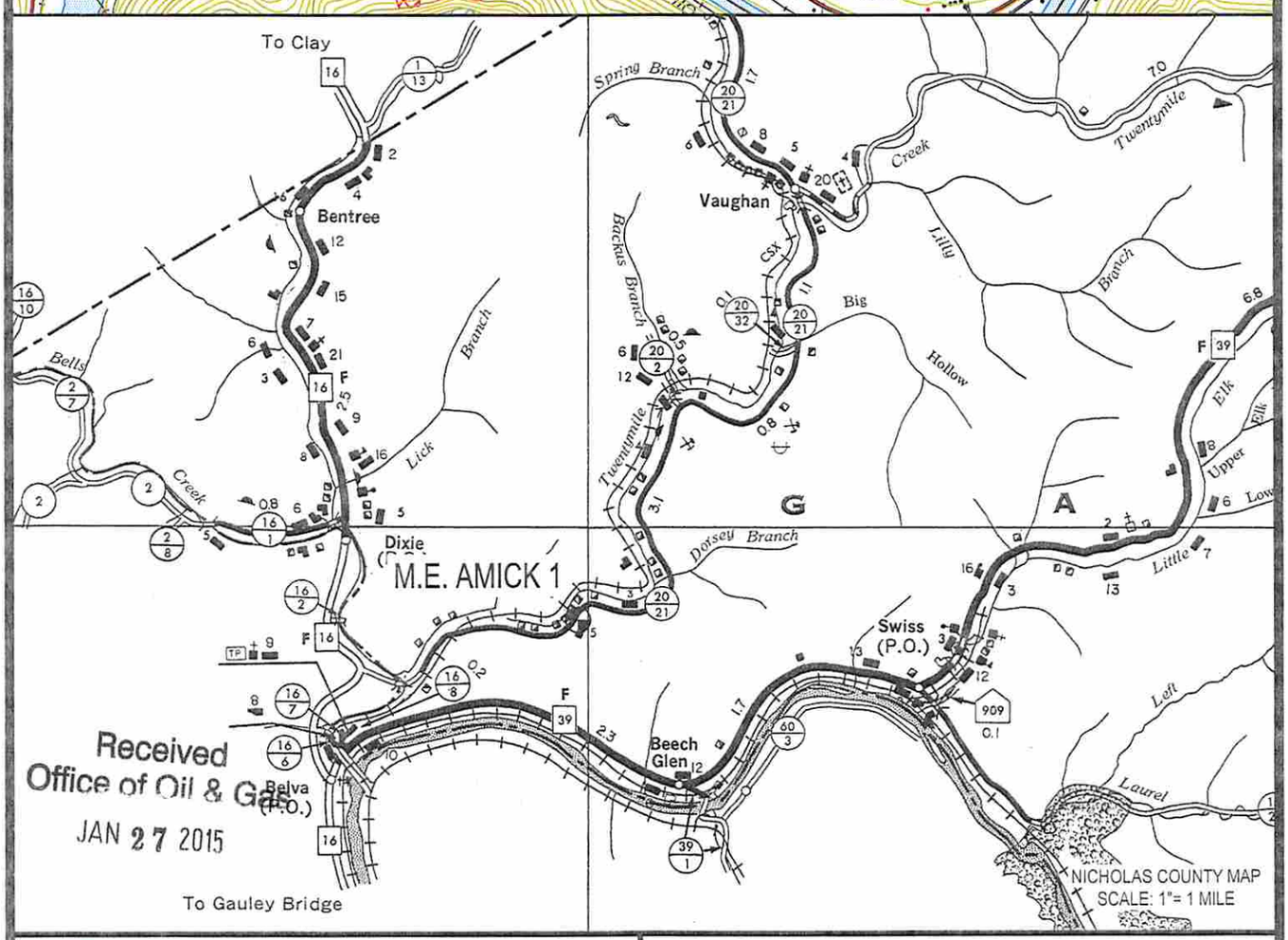
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWENTYMILE CREEK OF THE GAULEY RIVER
JEFFERSON DISTRICT, NICHOLAS COUNTY, WV
GAULEY BRIDGE QUADRANGLE

SHEET NUMBER	SCALE:	DRAWN BY:	DATE:	CHK'D. BY:
1 OF 1	1"=200'	G. PERKINS	10-20-14	DKC

6700155P





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Office of Oil & Gas
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Cabot Oil & Gas Corporation

M.E. AMICK 1

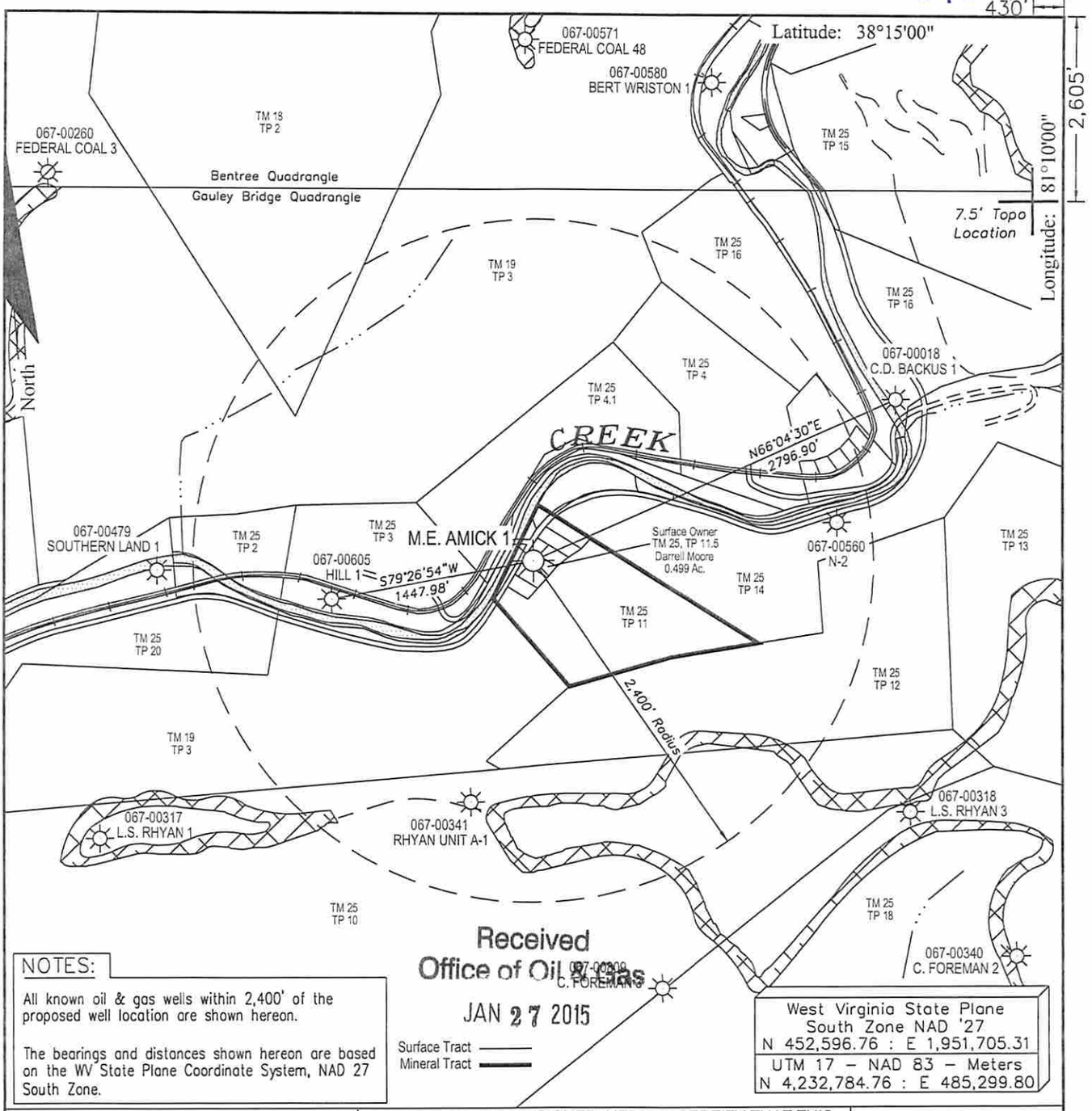
LOCATION MAP

CUNNINGHAM
LAND SURVEYING & MAPPING SERVICES, LLC
• 5213 STEPHEN WAY •
• CROSS LANES, WEST VIRGINIA 25313 •
• VOICE (304) 561-4129 • FAX (304) 776-0703 •
• E-MAIL ADDRESS • DKCUNNINGHAM@SUDDENLINK.NET •

LOCATED ON THE WATERS OF TWENTYMILE CREEK
OF THE GAULEY RIVER
JEFFERSON DISTRICT, FAYETTE COUNTY, WV
SISSONVILLE QUADRANGLE

PROJECT NO. CABOT	DWG. NO. AMICK 1 LOC.DWG	
DATE: 10-20-14	SCALE: AS NOTED	CHK'D BY: D.K.C.
DRAWN BY: G. PERKINS	FILE: C:\PROJECT FOLDER\CABOT	

6700155P



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Office of Oil & Gas
JAN 27 2015

Surface Tract ——
Mineral Tract ▬

NOTES:

All known oil & gas wells within 2,400' of the proposed well location are shown hereon.

The bearings and distances shown hereon are based on the WV State Plane Coordinate System, NAD 27 South Zone.

West Virginia State Plane
South Zone NAD '27
N 452,596.76 : E 1,951,705.31
UTM 17 – NAD 83 – Meters
N 4,232,784.76 : E 485,299.80

FILE #:

DRAWING #: Amick 1 ww6

SCALE: 1" = 1000'

MINIMUM DEGREE OF ACCURACY: 1 : 12,729

PROVEN SOURCE OF ELEVATION: Global Positioning System (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 ENVIROMENTAL PROTECTION.

Signed:

R.P.E.: L.L.S.: 1993

GREGORY A. PERKINS
LICENSED
No. 1993
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: October 20, 2014

OPERATOR'S WELL #: M.E. Amick 1

API WELL #: 47 067 00155 P
STATE COUNTY PERMIT

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

WATERSHED: Twentymile Creek of Gauley River ELEVATION: 715.14'

COUNTY/DISTRICT: Nicholas / Jefferson QUADRANGLE: Gauley Bridge

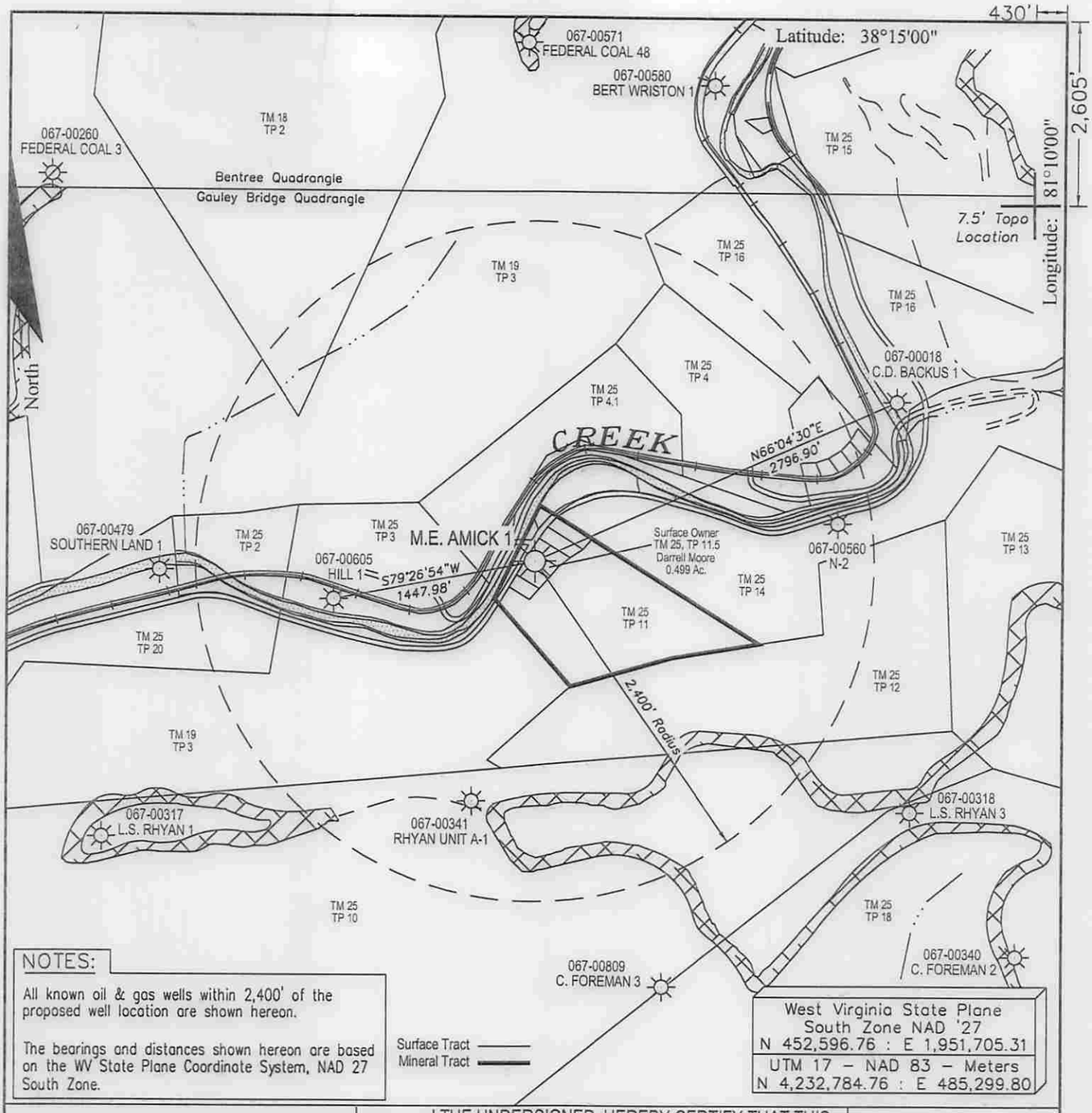
SURFACE OWNER: Darrell Moore ACREAGE: 0.499

OIL & GAS ROYALTY OWNER: Prospect Land and Development Co., Inc. ACREAGE: 29

LEASE #: 47-0653 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: ESTIMATED DEPTH:

WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Whitney Johnson
Address Five Penn Center West, Suite 401 Address P.O. Box 450
City Pittsburgh State PA Zip Code 15276 City Glasgow State WV Zip Code 25086



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South Zone NAD '27
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CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: ESTIMATED DEPTH:

WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Whitney Johnson

Address Five Penn Center West, Suite 401 Address P.O. Box 450

City Pittsburgh State PA Zip Code 15276 City Glasgow State WV Zip Code 25086

6700155P

Cabot Oil & Gas Corporation
North Region

January 22, 2015

Chief
West Virginia Division of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: M.E. Amick #1
Jefferson District, Nicholas County, WV
API # 47-067-00155
Written Application to plug and abandon wellbore

Dear Chief:

In accordance with Article 22-6-23 of the Code of State Regulations regarding oil and gas operations, please find attached a formal application for the plug and abandonment of the subject well.

Notices of our intention to plug this wellbore have been sent to surface owner, coal owner, and coal operators associated with this well. Copies of the certified mail receipts are attached for your records.

If you have any questions or need additional information, I can be reached at 412-249-3850.

Sincerely,

Kenneth L. Marcum
Regulatory Supervisor

Received
Office of Oil & Gas
JAN 27 2015