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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

July 12, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10900119, 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 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: POCAHONTAS - FORD #3  
Farm Name: POCAHONTAS LAND CORP.

**API Well Number: 47-10900119**

**Permit Type: Plugging**

Date Issued: 07/12/2013

WW-4B  
Rev. 2/01

1) Date June 10, 2013  
2) Operator's Well No. Pocahontas Ford #3  
3) API Well No. 47-109-00119

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 1,729.49' Watershed Brier Creek of Indian Creek  
District Baileysville 01 County Wyoming 10a Quadrangle Baileysville 228

6) Well Operator Cabot Oil & Gas Corporation 7) Designated Agent Brian Hall  
Address Five Penn Center West, Ste. 401 Address 6804 Lick Creek Road  
Pittsburgh, PA 15276 Danville, WV 25053

8) Oil and Gas Inspector to be notified Name Barry Stollings  
Address P.O. Box 1228  
Chapmanville, WV 25508  
9) Plugging Contractor Name Francis Brothers, LLC  
Address 622 Church St. N  
Ripley, WV 25271

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

See Attached Sheet

Received  
Office of Oil & Gas

JUN 13 2013

OK JWM

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

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

07/12/2013

# Pocahontas- Ford #3 API # 47 - 109 - 00119 PLUGGING PROCEDURE

## Current Configuration

DTD @ 3840'

PBTD @ 2500'

10-3/4" – 35.75# casing @ 314' on shoe

8-5/8" – 24# casing @ 670' on B. H. packer

2-3/8" – 4.6# EW V thd. tubing @ 2492' with Spang Hookwall packer set @ 2349'

Fresh water @ 80' & 476'

Coal @ 180' – 185', 243' – 246', 317' – 321', 508' – 511', 585' – 590', & 949' – 952'

Berea @ 3815' – 3836' with gas and salt water @ 3832' – 3836'

Big Lime @ 2689' – 3133' with gas show @ 2811'

Berea & Big Lime plugged off with clay 3840' – 3820', cement 3820' – 3810', clay 3133' – 2725',  
clay 2600' – 2500' and topped with cement plug

Maxton @ 2466' – 2490' shot from 2460' – 2480'

Ravenclyff @ 1582' – 1625' with gas show @ 1617'

## PROCEDURE

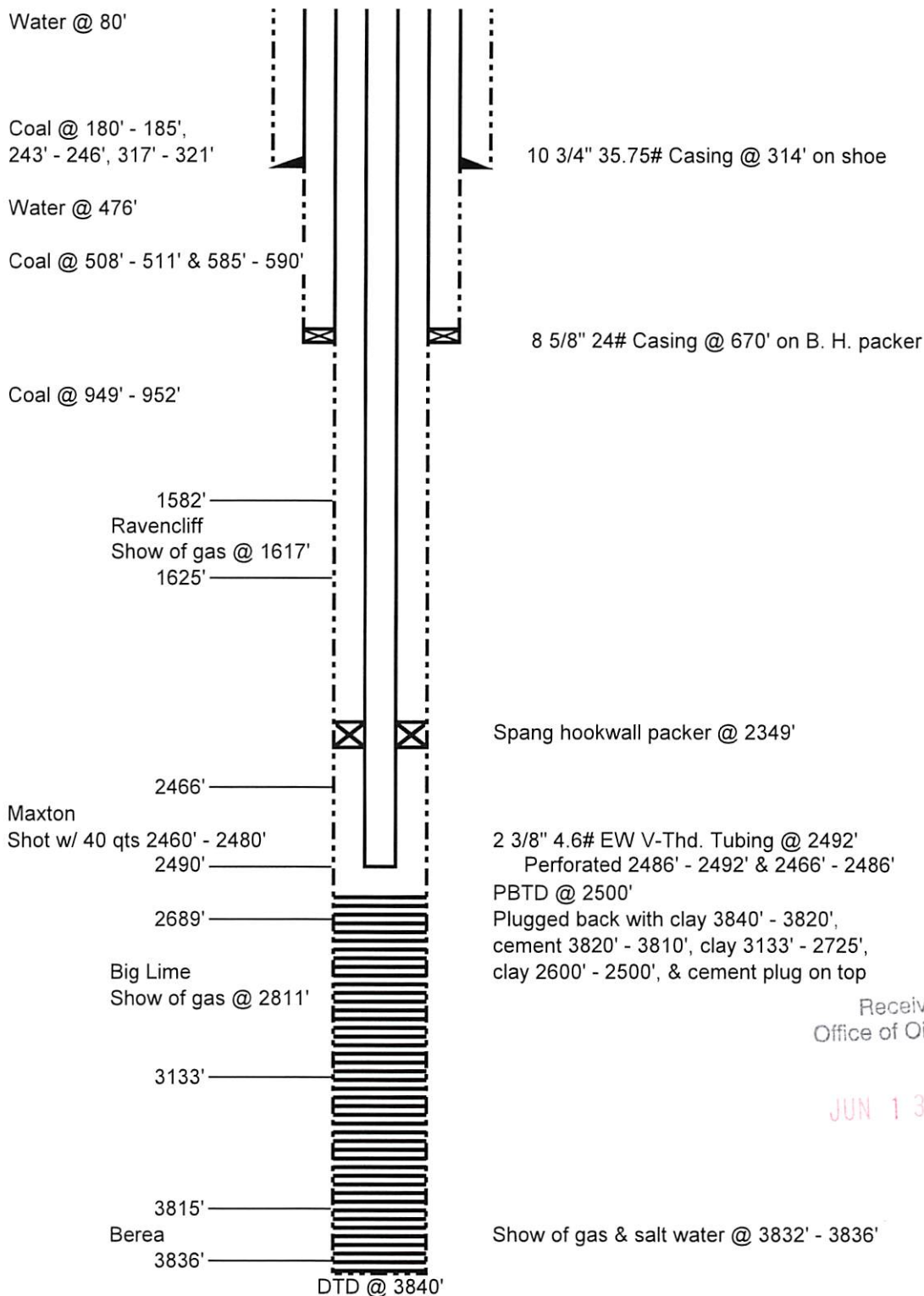
1. Contact Pineville Office a minimum of 48 hours prior to starting work.
2. Contact State Inspector a minimum of 24 hours prior to starting work.
3. MIRU service rig and blow down well.
4. Lay 2" line from wellhead to pit/tank and stake down securely.
5. MIRU service rig and blow down well. Have vacuum truck available to catch any fluids circulated from well.
6. Unpack wellhead.
7. Pull 2-3/8" tubing.
8. If unable to pull tubing, run freepoint, cut above freepoint, and POOH.
9. TIH with 2-3/8" work string to 2495'.
10. MIRU Cement Company and pump 90 bbls 6% Gel.
11. Pump 40 sks of Class A cement for plug 1 from 2495' to 2350'.
12. Displace w/ 9 bbls of 6% Gel.
13. Pull work string up to 1650' and pump 45 sks of Class A cement for plug 2 from 1650' to 1490'.
14. Displace w/ 5 ½ bbls of 6% Gel.
15. Pull work string up to 1000' and pump 30 sks of Class A cement for plug 3 from 1000' to 900'.
16. Displace w/ 3 ½ bbls of 6% Gel.
17. TOOH with work string.
18. Pull 8-5/8" and 10-3/4" casing strings.
19. TIH with work string to 650' and pump 370 sks of Class A cement for plug 4 from 650' 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.

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Office of Oil & Gas

JUN 13 2013

07/12/2013

**Pocahontas-Ford #3**  
API 47-109-00119  
CURRENT CONFIGURATION



Schematic is not to scale

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Office of Oil & Gas

JUN 13 2013

T. Ott 04/08/13

07/12/2013

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Wyo 119		Gas Well
Pineville Quad.		CASING & TUBING
Company	Godfrey L. Cabot, Inc.	
Address	Charleston, W. Va.	10 $\frac{1}{2}$ 314 314 shoe
Farm	Ford Motor Company	8 5/8 670 670 Packer
Location		7 2704 shoe
Well No.	3 serial 1200 Elev. --	2 2492 2492
District	Baileysville Wyoming County	
Surface		
Mineral		Tube and shut in 8-7-46
Commenced	Feb. 26, 1946	Spang-Hookwall Packer
Completed	June 28, 1946	2 3/8 x 7 x 16
Open flow	40/10ths W in 2"	Depth 2349
Volume	267 MCF	2 3/8" x 143 Anchor
Rock Pressure	Maxon 400 lbs. 24 hrs.	Perf. top 2486
	Ravenscliff 215 lbs. in 24 hrs.	bot 2492
Shot	40 qts. 2460 to 2480 7-5-46	top 2466
	R.S. 158 MCF 6 hrs. A.S. 267 MCF	bot 2486
Fresh Water	80 4 blrs. per hr. 13" blrs.; 476 2 $\frac{1}{2}$	
	(10") blrs. per hr.	
Salt Water	3832-36 filled 80 feet	

Surface	0	35	Red Rock	1810	1820
Sand	35	45	Lime	1820	1846
Slate	45	55	Red Rock	1846	1916
Lime	55	145	Lime, Dark	1916	1932
Sand	145	180	Slate & Shells	1932	1942
Coal	180	185	Lime, Dark	1942	1966
Slate	185	196	Slate & Shells	1966	1993
Sand	196	204	Lime, Dark	1993	2050
Slate	204	243	Slate & Shells	2050	2060
Coal	243	246	Salt Sand	2060	2259
Lime Shell	246	269	Lime	2259	2265
Slate & Shells	269	292	Sand	2265	2365
Sandy Lime	292	312	Lime, Black	2365	2424
Slate	312	317	Sand	2424	2440
Coal	317	321	Lime, Black	2440	2466
Sand	321	463	Maxon Sand	2466	2490
Lime, Dark	463	476	Slate, Black	2490	2520
Shale & Shells	476	487	Pencil Cave	2520	2526
Sandy Lime	487	508	Lime, Dark	2526	2676
Coal	508	511	Shale, Black	2676	2689
Sandy Lime	511	585	Big Lime	2689	3133
Coal	585	590	Big Injun	3133	3212
Slate Shells	590	640	Lime, Blue	3212	3472
Lime, Dark	640	655	Slate & Shells	3472	3778
Slate Shells	655	684	Brown Shale	3778	3790
Lime Dark	684	710	Lime, Black	3790	3815
Slate & Shells	710	729	Berea Grit	3815	3836
Lime, Sandy	729	832	Gritty Lime	3836	
Shale & Shells	832	831	TOTAL DEPTH		3840
Sandy Lime	831	905			
Slate & Shells	905	912			
Lime, Gray	912	949			
Coal	949	952			
Slate, Shells	952	1034			
Lime Shells	1034	1054			
Slate Shells	1054	1145			
Sand	1145	1247			
Slate & Shells	1247	1255			
Red Rock	1255	1265			
Slate & Shells	1265	1494			
Lime, Dark	1494	1535			
Slate & Shells	1535	1554			
Lime, Sand	1554	1580			
Slate	1580	1582			
Sand, Ravenscliff	1582	1625			
Lime	1625	1629			
Slate & Shells	1629	1663			
Lime, Dark	1663	1720			
Red Rock	1720	1735			
Sandy Lime	1735	1810			

PRODUCING SAND RECORD

Maxon 2466 to 2490 267 MCF Init. Prod.  
Ravenscliff 1617 to 1619 26 MCF "

Received  
Office of Oil & Gas

JUN 13 2013  
07/12/2013

Gas 746 Smell  
H Gas 1617-19 26 MCF  
Gas 2466-71 353 MCF  
Gas 2811 not enough to test  
Gas 3832 18 MCF

WW-4A  
Revised 6-07

1) Date: June 10, 2013  
2) Operator's Well Number  
Pocahontas-Ford #3  
3) API Well No.: 47 - 109 - 00119

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

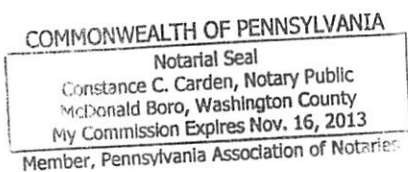
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Pocahontas Land Corporation</u> ✓	Name <u>See Attached Sheet</u> ✓
Address <u>P.O. Box 1517</u>	Address _____
<u>Bluefield, WV 24701</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Land Corporation</u> ✓
_____	Address <u>P.O. Box 1517</u>
(c) Name _____	<u>Bluefield, WV 24701</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Barry Stollings</u> ✓	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1228</u>	Name <u>Robinson-Phillips Coal Co.</u> ✓ <u>Marianna Coal Company</u> ✓
<u>Chapmanville, WV 25508</u>	Address <u>P.O. Box 16429</u> <u>P.O. Box 1084</u>
Telephone <u>(304)552-4194</u>	<u>Bristol, Virginia 24209</u> <u>Bluefield, VA 24605</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 Cabot Oil & Gas Corporation  
 By: Kenneth L. Marcum *Kenneth L. Marcum*  
 Its: Regulatory Supervisor  
 Address Five Penn Center West, Suite 401  
Pittsburgh, PA 15276  
 Telephone (412) 249-3850

Received  
Office of Oil & Gas

JUN 13 2013

Subscribed and sworn before me this 10th day of June  
Constance C. Carden Notary Public  
My Commission Expires November 16, 2013

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

07/12/2013

**COAL OPERATOR  
Pocahontas-Ford #3  
47-109-00119**

✓ Raw Coal Mining Co., Inc.  
P.O. Box 1030  
Bluefield, VA 24605

✓ Pinnacle Mining Co., LLC  
P.O. Box 338  
Pineville, WV 24874

✓ Baylor Mining, Inc.  
P.O. Box 577  
Mabscott, WV 25871

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Office of Oil & Gas

JUN 13 2013

07/12/2013

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 109 - 00119  
Operator's Well No. Poca Ford #3

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Cabot Oil & Gas Corporation OP Code \_\_\_\_\_

Watershed (HUC 10) Brier Creek of Indian Creek Quadrangle Baileysville

Elevation 1,729.49' County Wyoming District Baileysville

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 \_\_\_\_\_ No X

If so, please describe anticipated pit waste: ANY EFFLUENT MUST BE CONTAINED IN TANK.

Will a synthetic liner be used in the pit? Yes \_\_\_\_\_ No X If so, what 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 No treated pit wastes will be produced)

Will closed loop system be used? N/A

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. no drilling proposed

-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. 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

JUN 13 2013

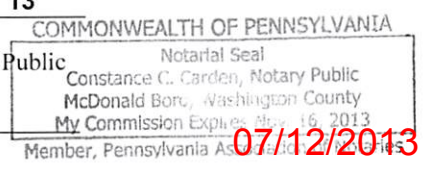
Company Official (Typed Name) Kenneth L. Marcum

Company Official Title Regulatory Supervisor

Subscribed and sworn before me this 10th day of June, 20 13

Constance C. Carden

Notary Public



My commission expires 11/16/2013

07/12/2013



Form WW-9

Operator's Well No. Poca-Ford #3

Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ 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	Birdsfoot Trefoil	

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: \_\_\_\_\_

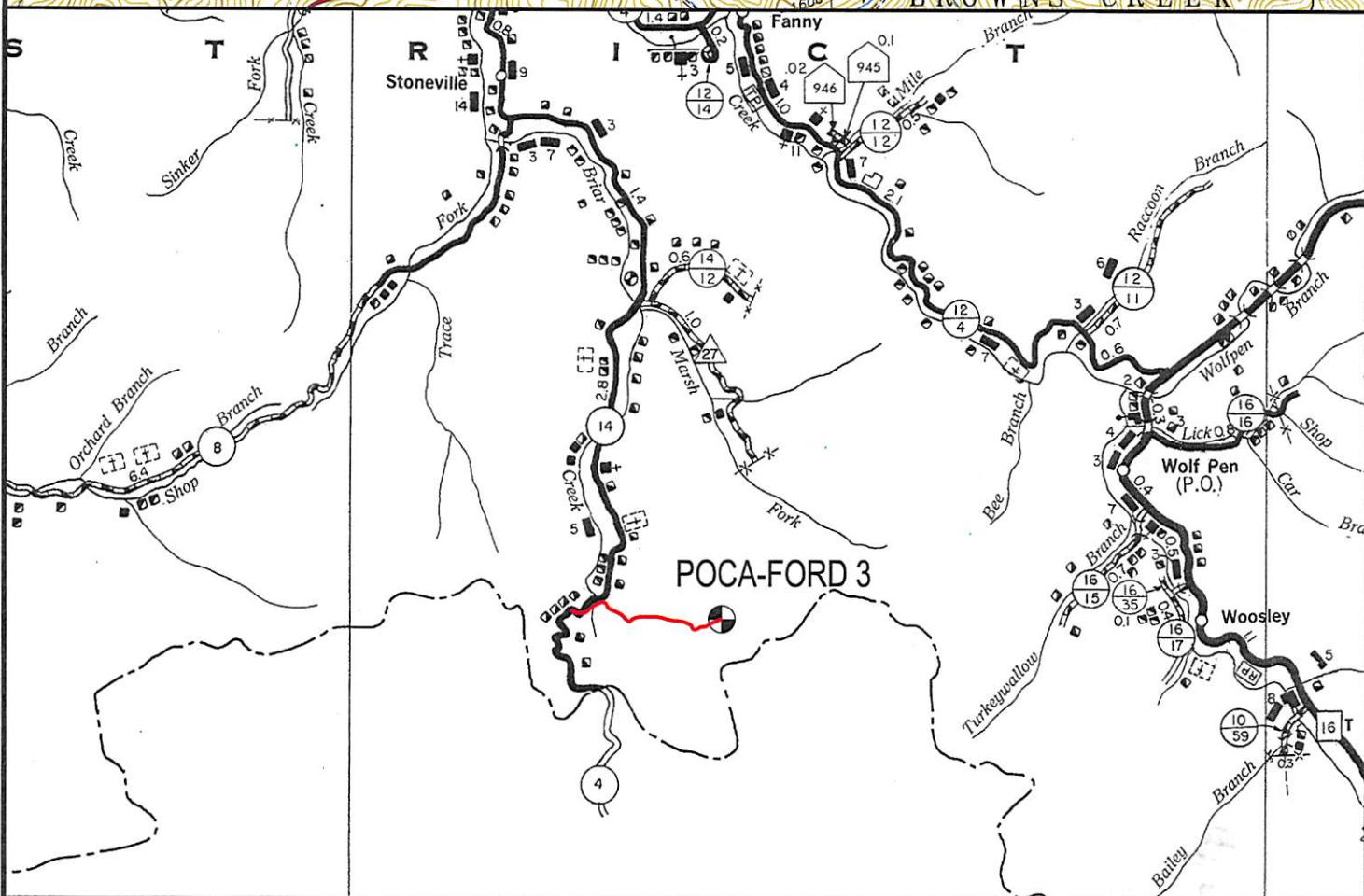
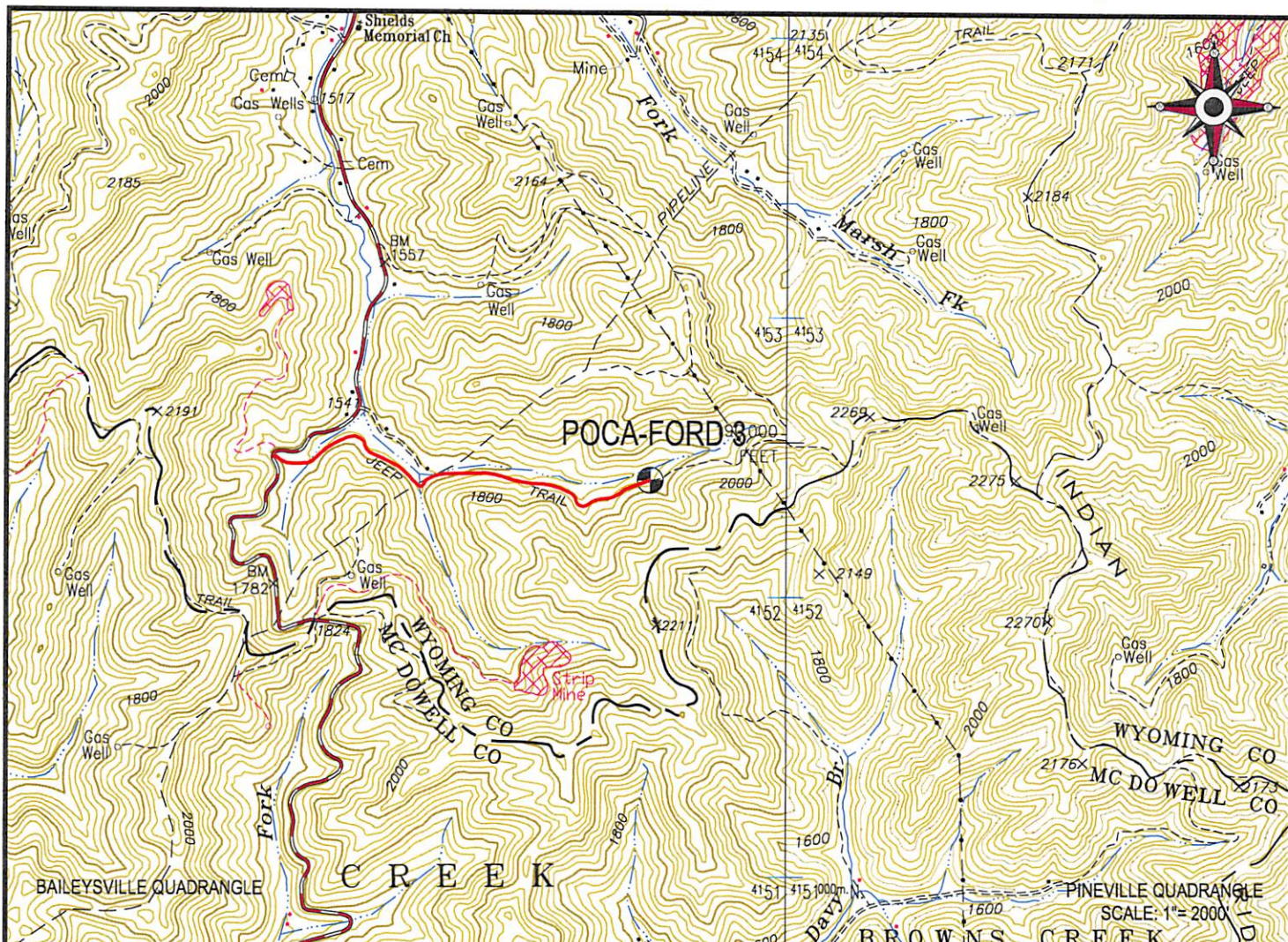
Title: \_\_\_\_\_

Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No

Received  
Office of Oil & Gas

JUN 13 2013



WYOMING COUNTY MAP  
SCALE: 1"=1 MILE

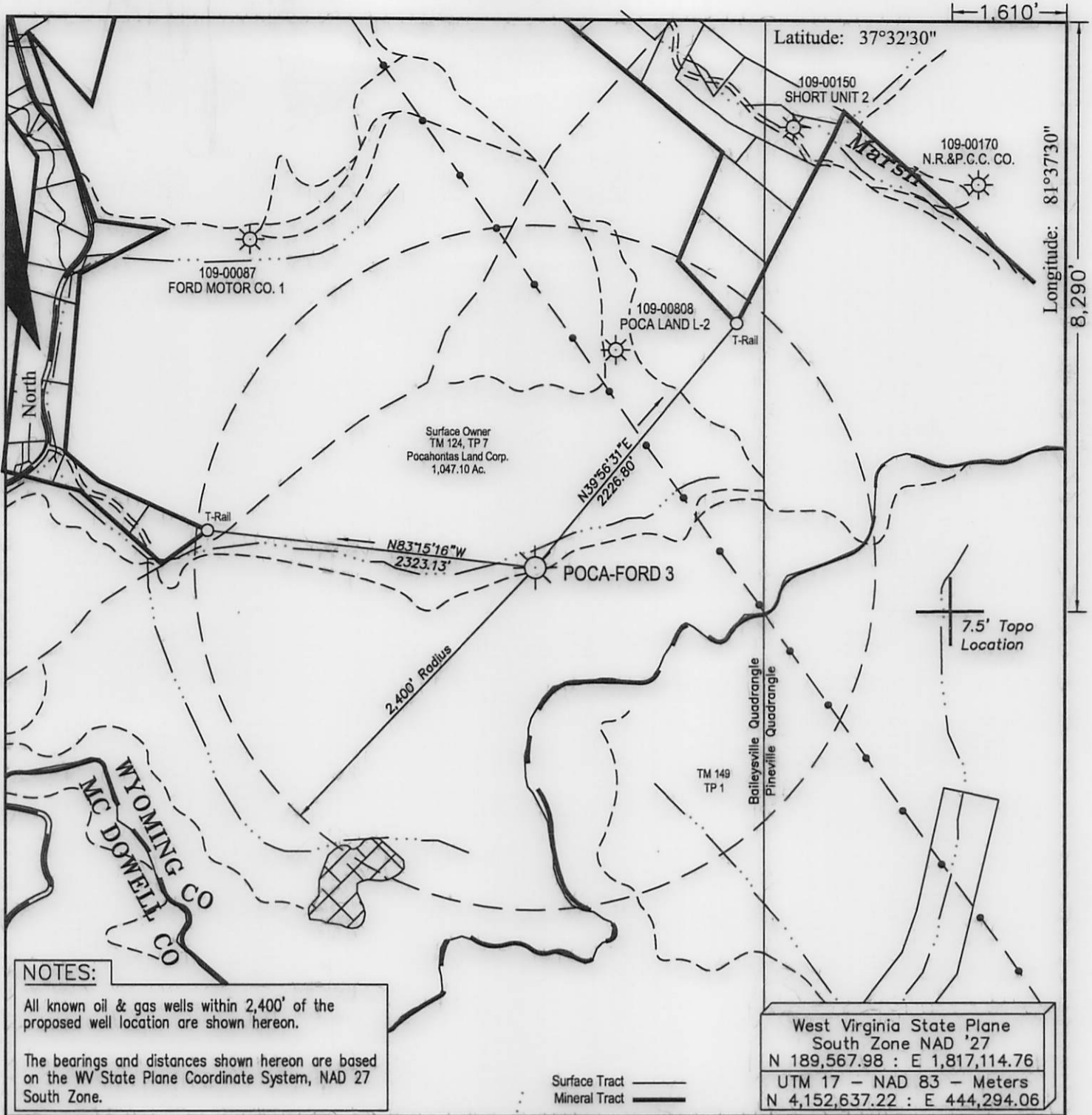
 Cabot Oil & Gas Corporation

**POCA FORD 3**  
LOCATION MAP **07/12/2013**

 **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 BRIER CREEK  
OF INDIAN CREEK  
BAILEYSVILLE DISTRICT, WYOMING COUNTY, W.VA  
BAILEYSVILLE QUADRANGLE

PROJECT NO. CABOT	DWG. NO. POCA-FORD 3 LOC.DWG
DATE: 03-23-13	SCALE: AS NOTED
	CHK'D BY: D.K.C.
DRAWN BY: G. PERKINS	FILE: C:\PROJECT FOLDER\CABOT



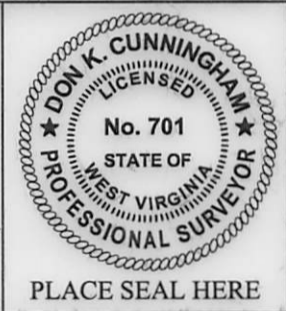
**NOTES:**  
 All known oil & gas wells within 2,400' of the proposed well location are shown hereon.  
 The bearings and distances shown hereon are based on the WV State Plane Coordinate System, NAD 27 South Zone.

West Virginia State Plane  
 South Zone NAD '27  
 N 189,567.98 : E 1,817,114.76  
 UTM 17 - NAD 83 - Meters  
 N 4,152,637.22 : E 444,294.06

FILE #: \_\_\_\_\_  
 DRAWING #: Poca Ford 3 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: Don K. Cunningham  
 R.P.E.: \_\_\_\_\_ L.L.S.: 701



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

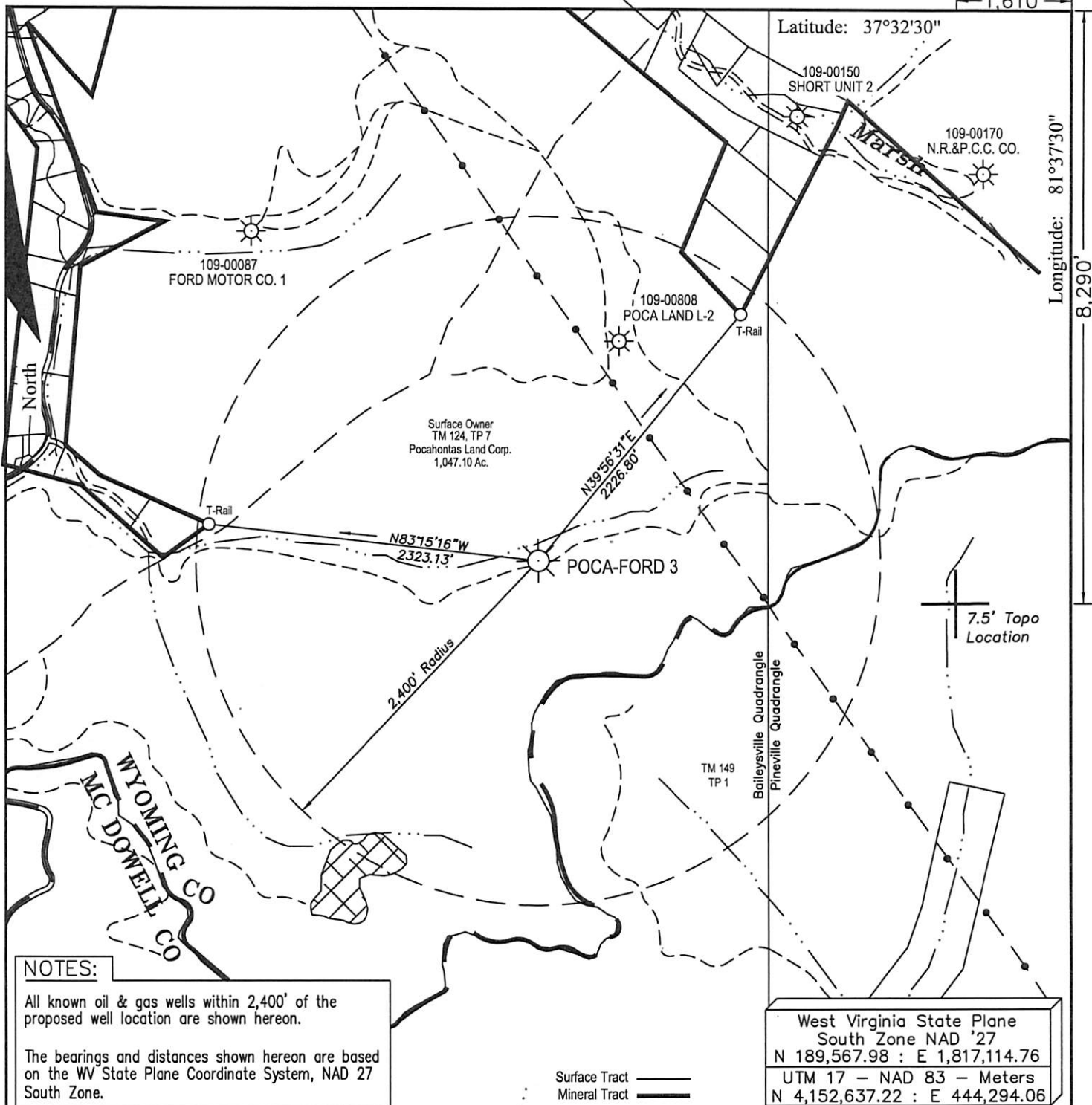


DATE: May 20, 2013  
 OPERATOR'S WELL #: Poca - Ford 3  
 API WELL #: 47 109 00119P  
 STATE COUNTY PERMIT

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

WATERSHED: Brier Creek of Indian Creek ELEVATION: 1,729.49'  
 COUNTY/DISTRICT: Wyoming / Baileysville QUADRANGLE: Baileysville  
 SURFACE OWNER: Pocahontas Land Corp. ACREAGE: 1,047.10 Ac.  
 OIL & GAS ROYALTY OWNER: Ford Motor co. ACREAGE: 3,000 Ac.  
 LEASE #: 47-0499 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 Brian Hall  
 Address Five Penn Center West, Suite 401 Address P.O. Box 260  
 City Pittsburgh State PA Zip Code 15276 City Danville State WV Zip Code 25053



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 189,567.98 : E 1,817,114.76  
UTM 17 - NAD 83 - Meters  
N 4,152,637.22 : E 444,294.06

FILE #:  
DRAWING #: Poca Ford 3 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: Don K. Cunningham  
R.P.E.: \_\_\_\_\_ L.L.S.: 701



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



DATE: May 20, 2013  
OPERATOR'S WELL #: Poca - Ford 3  
API WELL #: 47 109 00119P  
STATE COUNTY PERMIT

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

WATERSHED: Brier Creek of Indian Creek ELEVATION: 1,729.49'  
COUNTY/DISTRICT: Wyoming / Baileysville QUADRANGLE: Baileysville  
SURFACE OWNER: Pocahontas Land Corp. ACREAGE: 1,047.10 Ac.  
OIL & GAS ROYALTY OWNER: Ford Motor co. ACREAGE: 3,000 Ac.  
LEASE #: 47-0499 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

07/12/2013

TARGET FORMATION: \_\_\_\_\_ ESTIMATED DEPTH: \_\_\_\_\_  
WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Brian Hall  
Address Five Penn Center West, Suite 401 Address P.O. Box 260  
City Pittsburgh State PA Zip Code 15276 City Danville State WV Zip Code 25053



June 10, 2013

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

RE: Pocahontas Ford #3  
Baileysville District, Wyoming County, WV  
API # 47-109-00119  
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

JUN 13 2013

**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.

ROAD GRADE (%)	DISTANCE (FT)
1	400
2	250
5	135
10	80
15	60
20	45

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



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 POCA FORD 3**

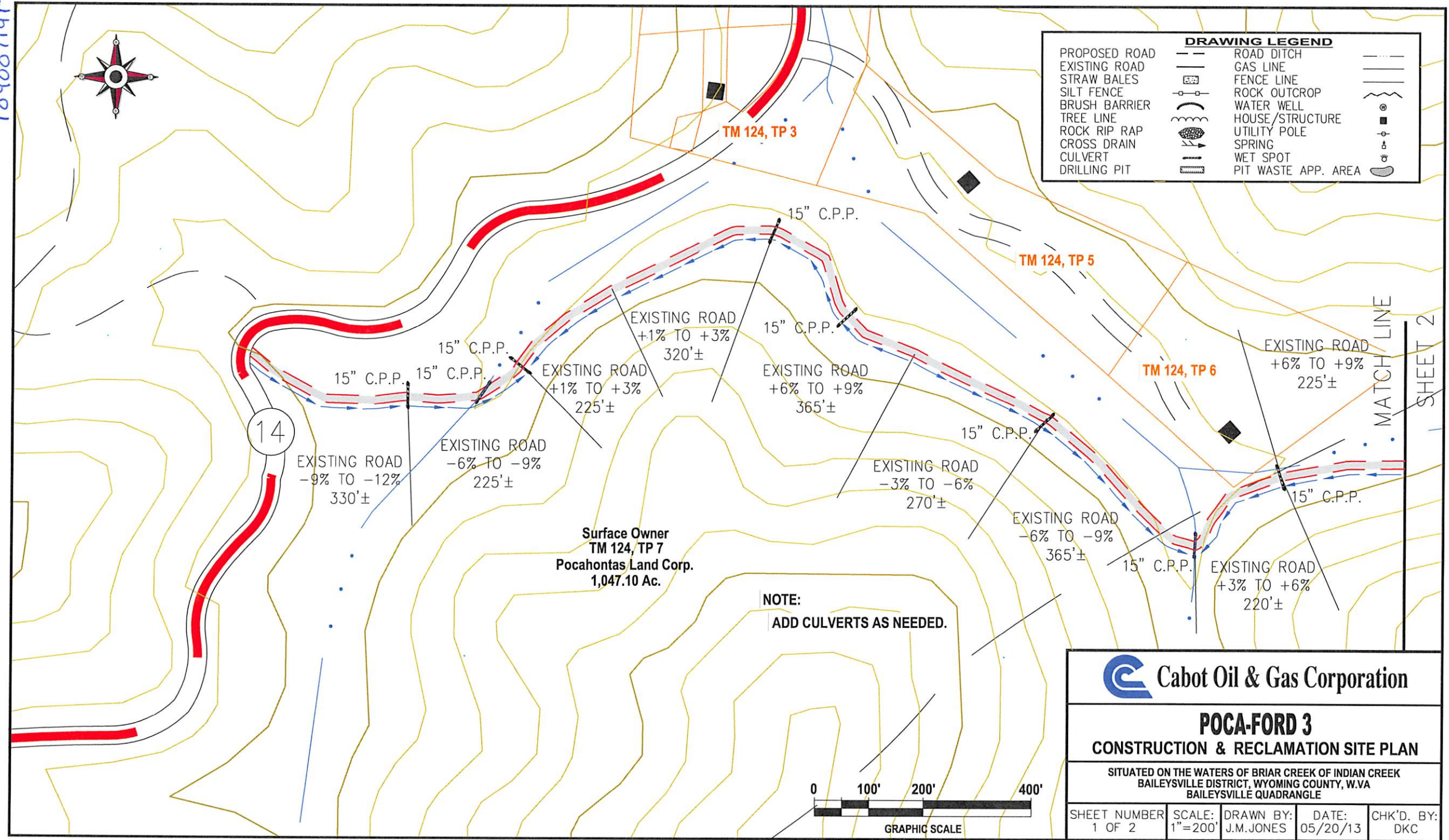
- 1.) FROM PINEVILLE, W.VA DRIVE WEST ON STATE ROUTE 97 FOR 12.5 MILES± TO CO. RD. 14
- 2.) DRIVE SOUTH ON COUNTY ROAD 14 APPROXIMATELY 6.2 MILES± TO THE BEGINNING OF THE EXISTING ACCESS ROAD LOCATED ON THE LEFT-HAND SIDE OF THE ROADWAY.
- 3.) FROM THE AFOREMENTIONED SITE, FOLLOW THE EXISTING ROAD FOR APPROXIMATELY 0.9 MILE± TO THE EXISTING WELL SITE AS SHOWN ON THE "CONSTRUCTION AND RECLAMATION PLAN".

07/12/2013

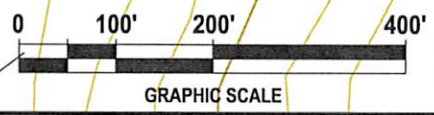
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DRAWING LEGEND			
PROPOSED ROAD		ROAD DITCH	
EXISTING ROAD		GAS LINE	
STRAW BALES		FENCE LINE	
SILT FENCE		ROCK OUTCROP	
BRUSH BARRIER		WATER WELL	
TREE LINE		HOUSE/STRUCTURE	
ROCK RIP RAP		UTILITY POLE	
CROSS DRAIN		SPRING	
CULVERT		WET SPOT	
DRILLING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



**NOTE:**  
ADD CULVERTS AS NEEDED.



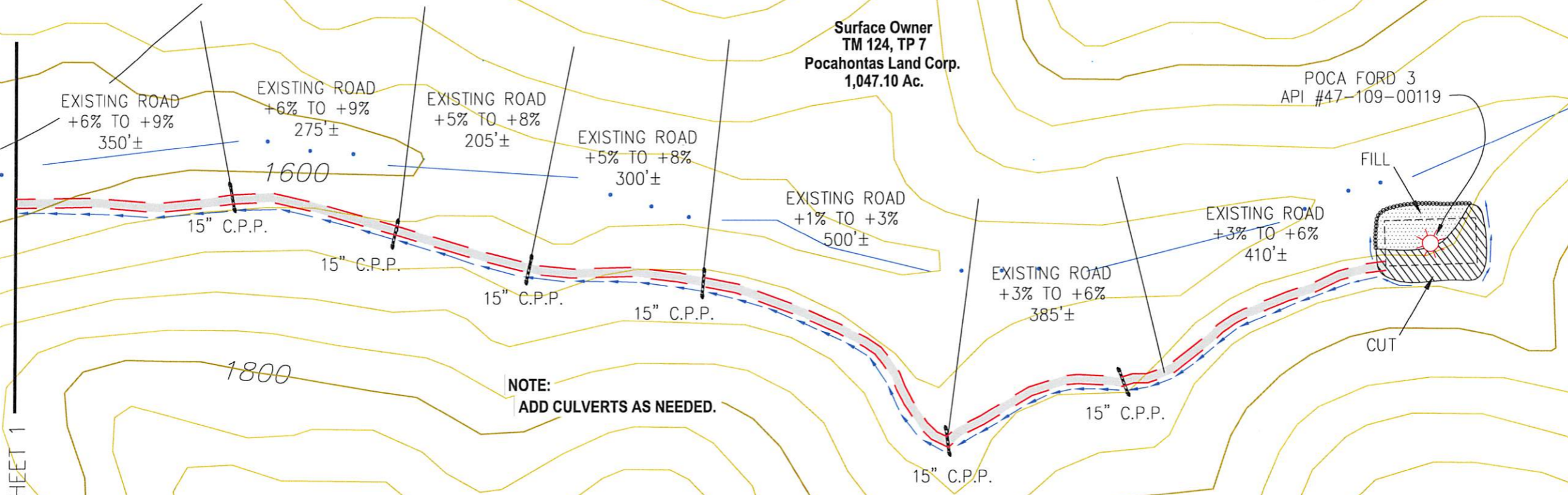
<b>POCA-FORD 3</b>				
<b>CONSTRUCTION &amp; RECLAMATION SITE PLAN</b>				
SITUATED ON THE WATERS OF BRIAR CREEK OF INDIAN CREEK BAILEYSVILLE DISTRICT, WYOMING COUNTY, W.VA BAILEYSVILLE QUADRANGLE				
SHEET NUMBER	SCALE:	DRAWN BY:	DATE:	CHK'D. BY:
1 OF 2	1"=200'	J.M.JONES	05/20/13	DKC

10900119P



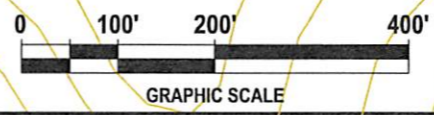
Note:  
Tanks will be used instead of drilling pit(s),  
and may be adjusted to the most  
environmental safe site to meet the  
requirements of the WVDEP.

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



NOTE:  
ADD CULVERTS AS NEEDED.

MATCH LINE SHEET 1



Cabot Oil & Gas Corporation

**POCA-FORD 3**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF BRIAR CREEK OF INDIAN CREEK  
BAILEYSVILLE DISTRICT, WYOMING COUNTY, W.VA  
BAILEYSVILLE QUADRANGLE

SHEET NUMBER 2 OF 2	SCALE: 1"=200'	DRAWN BY: J.M.JONES	DATE: 05/20/13	CHK'D. BY: DKC
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