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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

August 10, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-500250, 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: 419  
Farm Name: PEYTONA COAL LAND CO.  
**API Well Number: 47-500250**  
**Permit Type: Plugging**  
Date Issued: 08/10/2015

**Promoting a healthy environment.**

**08/14/2015**

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date July 14, 2015  
2) Operator's Well No. Peytona Coal #22  
3) API Well No. 47-005 - 00250

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 1,100' Watershed Three Fork Branch  
District Sherman & Peytona County Boone Quadrangle Williams Mountain

6) Well Operator Cabot Oil & Gas Corporation 7) Designated Agent Phillip Hill  
Address Five Penn Center West, Ste. 401 Address 900 Lee St., E. Suite 1500, Huntington Sq.  
Pittsburgh, PA 15276 Charleston, WV 25301

8) Oil and Gas Inspector to be notified  
Name ~~Danny Mullins~~ GARY KENNEDY  
Address 124 Big Trace Fork Rd.  
Harts, WV 25524

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

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

Work order approved by inspector *Gary Kennedy* Date 8/6/15

08/14/2015

# PEYTONA COAL #22

## API # 47 - 005 - 00250

### PLUGGING PROCEDURE

#### Current Configuration

DTD @ 2539'  
 8-1/4" casing @ 633'  
 6-5/8" casing @ 1864'  
 3" tubing @ 2543' with anchor packers set @ 2481' & 1976'  
 Water @ 373' & 1044'  
 Coal @ 331' - 333', 351' - 354', 600' - 602', & 926' - 928'  
 Berea shot from 2491' to 2511'  
 Injun @ 1996' - 2066' w/ gas show @ 2009'  
 Big Lime @ 1823' - 1996' w/ gas show @ 1922'

#### PROCEDURE

1. Contact Danville District 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. Vent 3" x 6-5/8" annulus.
4. MIRU service rig and blow down well. Have vacuum truck available to catch any fluids circulated from well.
5. Unpack wellhead.
6. Run rig tools to determine well TD and note any fluid level.
7. Pull 3" tubing.
8. MIRU Cementing Company.
9. TIH with 2-3/8" work string to ~~2535'~~ **2470'**. (ABOVE SHOT) PUMP 6% GEL.
10. Pump 10 bbls of 6% Gel followed by 40 sacks of Class A cement for cement plug 1 from ~~2535' to 2350'~~ **2470' - 2295'**.
11. Displace with 9 bbls of 6% Gel.
12. POOH with tubing and let cement plug set for a minimum of four hours.
13. Pull 6-5/8" and 8-1/4" casing strings. *wood conductors*
14. TIH with 2-3/8" work string to 2100' and pump 10 bbls of 6% gel followed by 60 sacks of Class A cement for cement plug 2 from 2100' to 1800'.
15. Displace with 7 bbls of 6% Gel.
16. Pull work string to 1700' and pump 30 bbls 6% Gel.
17. Pull work string to 1100' and pump 90 sks of Class A cement for plug 3 from 1100' to 800'.
18. Displace w/ 3 bbls of 6% Gel.
19. Pull work string up to 650' and pump 300 sks of Class A cement for plug 4 from 650' to surface.
20. TOOH with work string and lay down.
21. RDMO Cement company
22. Erect Monument according to Law.
23. RDMO.

**6% GEL BETWEEN ALL CEMENT PLUGS.**

*Jurgen*

*JKK*

08/14/2015

Peytona Coal #22  
API 47-005-00250  
PROPOSED CONFIGURATION

Coal @ 99' - 101'

Coal @ 331' - 333' & 351' - 354'  
Water @ 373'  
Coal @ 600' - 602'

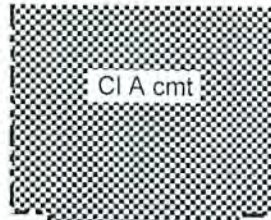
Coal @ 926' - 928'  
Water @ 1044'

Big Lime w/ gas show @ 1922'

1996'  
Injun w/ gas show @ 2009'  
2066'

2481'  
Berea shot from 2491' to 2511'

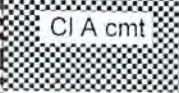
2514'



8-1/4" Casing @ 633' pulled  
Bottom of cement plug 4 @ 650'

6% gel

Top of cement plug 3 @ 800'



Bottom of cement plug 3 @ 1100'

6% gel

1823'

Top of cement plug 2 @ 1800'  
6-5/8" Casing @ 1864' pulled

CI A cmt

Bottom of cement plug 2 @ 2100'

6% gel

Top of cement plug 1 @ 2350'

CI A cmt

Bottom of cement plug 1 @ 2535'  
3" tubing @ 2543' pulled

DTD @ 2539'

Schematic is not to scale

T. Ott 09/16/13

Bro-250

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. Well No. 419

The Owens, Libbey-Owens Gas Dept. Company, of Charleston, W. Va.

on the Peytona Coal Land Company Farm

containing 6,760 acres. Location

Sherman District, in Boone County, West Virginia.

The surface of the above tract is owned in fee by Peytona Coal Land Company of A. A. M. Prichard, Staunton, Virginia address, and the mineral rights are owned by

Peytona Coal Land Company of

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit No. Boo-250 issued by the West Virginia Department of Mines, Oil and Gas Section,

August 3rd 1934.

Elevation of surface at top of well, 1,099 Spirit barometric

The number of feet of the different sized casings used in the well.

13 feet 10" size Wood conductor
633 feet 8 1/2" size, esg. 1,864 feet 6 5/8" sized esg.
2,543 feet 3" size, esg.
feet size, esg. feet sized esg.

Oil Well packer of 3" x 6 5/8" size, set at 2,480'

Heater Disc Anchor packer of 3" x 6 5/8" size, set at 1,977'

3 in casing perforated at 2,199 feet to 2504 feet
3 " " " " 2,482 " " 2487
3 in casing perforated at 2,569 feet to 2371 feet

Coal was encountered at 99 feet; thickness 24 inches, and at 351 feet, thickness 24 inches; and at 351 feet; thickness 36 inches, and at 600 feet, thickness 24 inches, and at 926 feet, thickness 24 inches.
Liners were used as follows: (Give details)

December 17th, 1934 Date.

Approved H. H. ... Owner.

By A. J. ... Geologist (Title)

08/14/2015

Handwritten mark

500250P

B.O. 250

The Owens, Libbey-Owens Gas Dept. Company  
P. O. Box 1375, Charleston, W. Va. Address  
Well No. 419

COMPLETION DATA SHEET  
No. 2  
FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Surface	yellow	soft		0	15	15		
Sand Rock	white	hard		15	99	84		
Coal	black	soft		99	101	2		
Slate	"	"		101	121	20		
Slate	white	"		121	314	193		
Sand	"	"		314	331	17		
Coal	black	"		331	333	2		
Slate	white	"		333	351	18		
Coal	black	"		351	354	3		
Sand	white	"	Water at 373'	354	393	39		1 Bail per hr.
Slate	"	"		393	438	45		
Sand	"	"		438	505	67		
Slate	black	"		505	528	23		
Sand	white	hard		528	600	72		
Coal	black	soft		600	602	2		
Slate	"	"		602	618	16		
Sand	white	"		618	623	5		
Slate	black	"		623	745	122		
Sand	white	hard		745	926	181		
Coal	black	soft		926	928	2		
Sand	white	hard		928	938	10		
Slate	black	soft		938	953	15		
Sand	dark	"		953	963	10		
Slate	black	"		963	968	5		
Sand	dark	hard		968	979	11		
Salt Sand	white	"	Water 1044'	979	1344	365		2 Bails per hr.
			" 1125'					3 " " "
			" 1140'					Hole Full
			" 1160'					
Slate	black	soft		1344	1351	7		
Sand	white	hard		1351	1427	76		
Slate	"	soft		1427	1437	10		
Sand	dark	hard		1437	1442	5		
Sand	white	"		1442	1489	47		
Slate	black	soft		1489	1491	2		
Sand	white	very hard		1491	1576	85		
Red Rock	red	soft		1576	1578	2		
Slate & Shells	gray	"		1578	1600	22		
Sand	white	hard		1600	1736	136		
Little Lime	black	"		1736	1763	27		
Slate	"	soft		1763	1765	2		
Lime	"	hard		1765	1780	15		
Slate	white	soft		1780	1785	5		
Lime	black	hard		1785	1823	38		
Big Lime	white	"	Gas at 1922'	1823	1996	173		Blew out

shot  
Well was not shot at \_\_\_\_\_ feet; well was shot at \_\_\_\_\_ feet.

Salt  
Fresh water at \_\_\_\_\_ salt  
\_\_\_\_\_ feet; fresh water at \_\_\_\_\_ feet.

producing  
Well was \_\_\_\_\_ hole.  
dry

Date \_\_\_\_\_ Approved \_\_\_\_\_ Owner \_\_\_\_\_

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata. 08/14/2015

*[Handwritten signature]*

The Owen, Libbey-Owens Gas Dept. Company

P. O. Box 1375, Charleston, W. Va. Address

Well No. 119

COMPLETION DATA SHEET  
No. 2  
FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Big Injun Slate	red	soft	Gas 2007	1996	2066	70		
Slate & Shell	grey	"		2066	2084	18		
Colored Shale	black	"		2084	2467	383		
Berea Sand	white	"	Gas 2491 to 2491	2467	2481	14		
" "	"	hard	2491	2481	2513	32		
Slate	grey	"	2511	2513	2514	1		
				2514	2534	20	2537	

Bottom - 250

Well was ~~not~~ shot at 2491 to 2511 feet; well was shot at \_\_\_\_\_ feet.

Fresh water at 373 feet; salt water at 1094, 1125, 1140 and 1160 feet.

Well was producing hole.

December 17th, 1934 Date

Approved The Owens, Inc. Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such formations.

08/14/2015



WW-4A  
Revised 6-07

1) Date: July 14, 2015  
2) Operator's Well Number  
Peytona Coal #22  
3) API Well No.: 47 - 005 - 00250

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

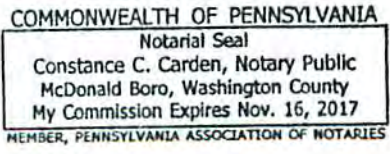
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached Sheet</u>	Name <u>See Attached Sheet</u>
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached Sheet</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>124 Big Trace Fork Rd.</u>	Name <u>Laxare, Inc.</u> <u>Boone East Development Co.</u>
<u>Harts, WV 25524</u>	Address <u>One Alpha Place</u> <u>P.O. Box 271</u>
Telephone <u>(304) 932-6844</u>	<u>Bristol, VA 24202</u> <u>Julian, WV 25529</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: John Smelko  
 Its: North Region Manager, Environmental and Regulatory Compliance  
 Address Five Penn Center West, Suite 401  
Pittsburgh, PA 15276  
 Telephone (412) 249-3850

**RECEIVED**  
Office of Oil and Gas

Subscribed and sworn before me this 16th day of July, 2015 JUL 22 2015  
Constance C. Carden Notary Public  
 My Commission Expires November 16, 2015

WV Department of Environmental Protection

**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).

08/14/2015

PEYTONA COAL #22  
API #47-005-00250

## SURFACE AND COAL OWNERS

PRC Holdings, LLC  
c/o Gaddy Engineering Co. ✓  
303 Washington Street West  
Charleston, WV 25302

Board of Trustees of Prichard School, a Corporation ✓  
c/o Gaddy Engineering Co.  
303 Washington Street West  
Charleston, WV 25302

J.A. Holley Trust ✓  
c/o Gaddy Engineering Co.  
303 Washington Street West  
Charleston, WV 25302

A.M. Prichard Trust ✓  
c/o Gaddy Engineering Co.  
303 Washington Street West  
Charleston, WV 25302

Riverside Park, Inc. ✓  
c/o Gaddy Engineering Co.  
303 Washington Street West  
Charleston, WV 25302

RECEIVED  
Office of Oil and Gas

JUL 22 2015

WV Department of  
Environmental Protection

08/14/2015

500250A

PEYTONA COAL #22  
API #47-005-00250

COAL OPERATOR(S)

Spartan Mining Company  
782 Robinson Creek Rd. ✓  
Madison, WV 25130

Pine Ridge Coal Co. ✓  
P.O. Box 189  
Comfort, WV 25049

Emerald Processing, LLC ✓  
P.O. Box 189  
Comfort, WV 25049

Raven Crest Contracting, LLC ✓  
1295 Ashford Hill Rd.  
Ashford, WV 25009

RECEIVED  
Office of Oil and Gas

JUL 22 2015

WV Department of  
Environmental Protection  
08/14/2015

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 08145

Watershed (HUC 10) Three Fork Branch of Laurel Creek Quadrangle Williams Mountain

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  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 *THANK JRR*)

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. 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? \_\_\_\_\_

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *John Smelko*

Company Official (Typed Name) John Smelko

Company Official Title North Region Manager, Environmental & Regulatory Compliance

Subscribed and sworn before me this 16th day of July, 2015

*Constance C. Carden* Notary

My commission expires 11/16/2017

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

08/14/2015

# Cabot Oil & Gas Corporation

Proposed Revegetation Treatment: Acres Disturbed 3 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20/20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch Pulp Fiber at 1000 to 1500 <sup>lbs</sup> Tons/acre

### Seed Mixtures

#### Temporary

#### Permanent

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 - 10) (Alta Sweet Clover - 5)	
(Yellow Clover - 5) (Birdsfoot Trefoil - 10)		(Yellow Clover - 5) (Birdsfoot Trefoil - 10)	

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Greg Kennedy*

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

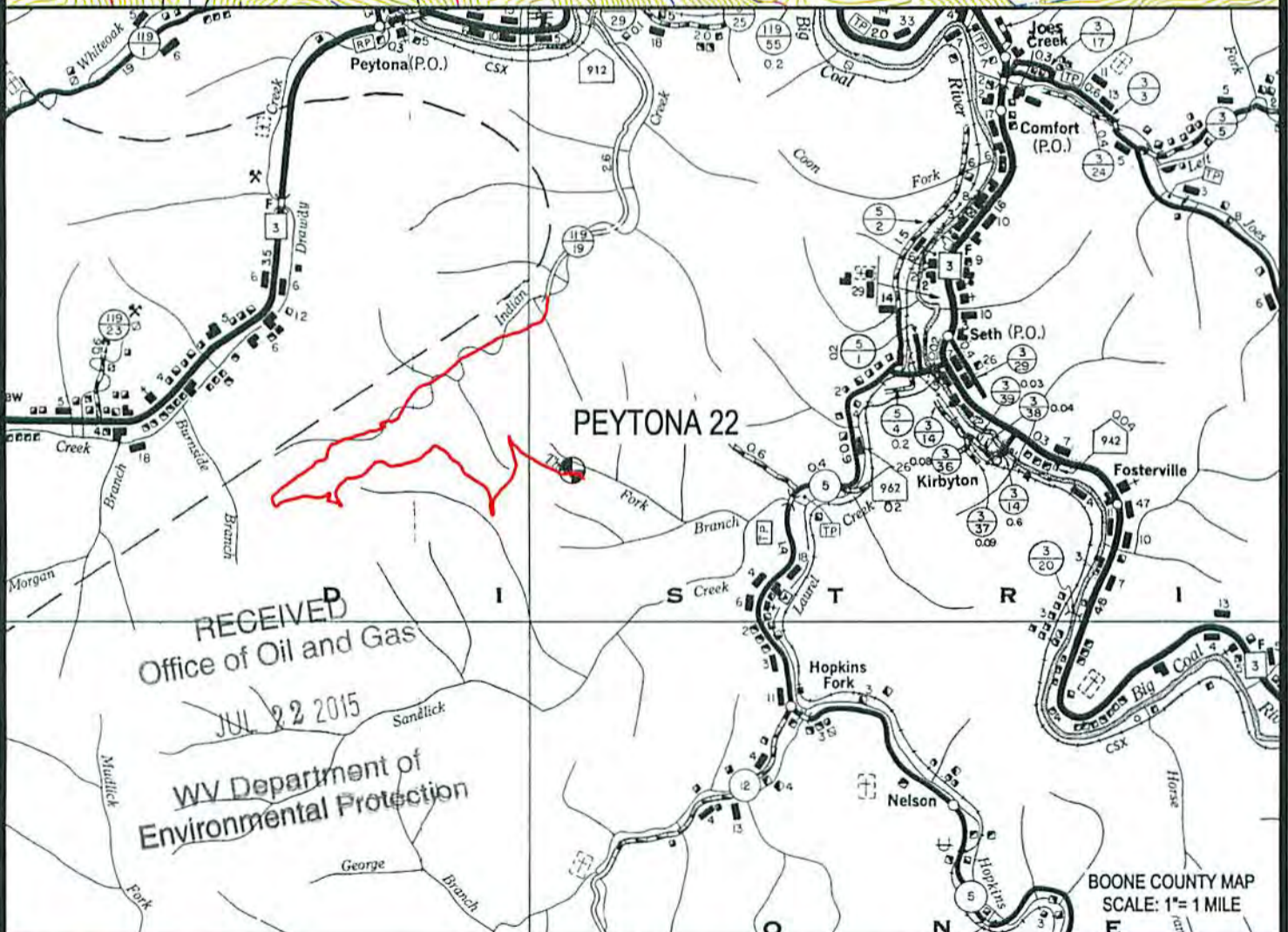
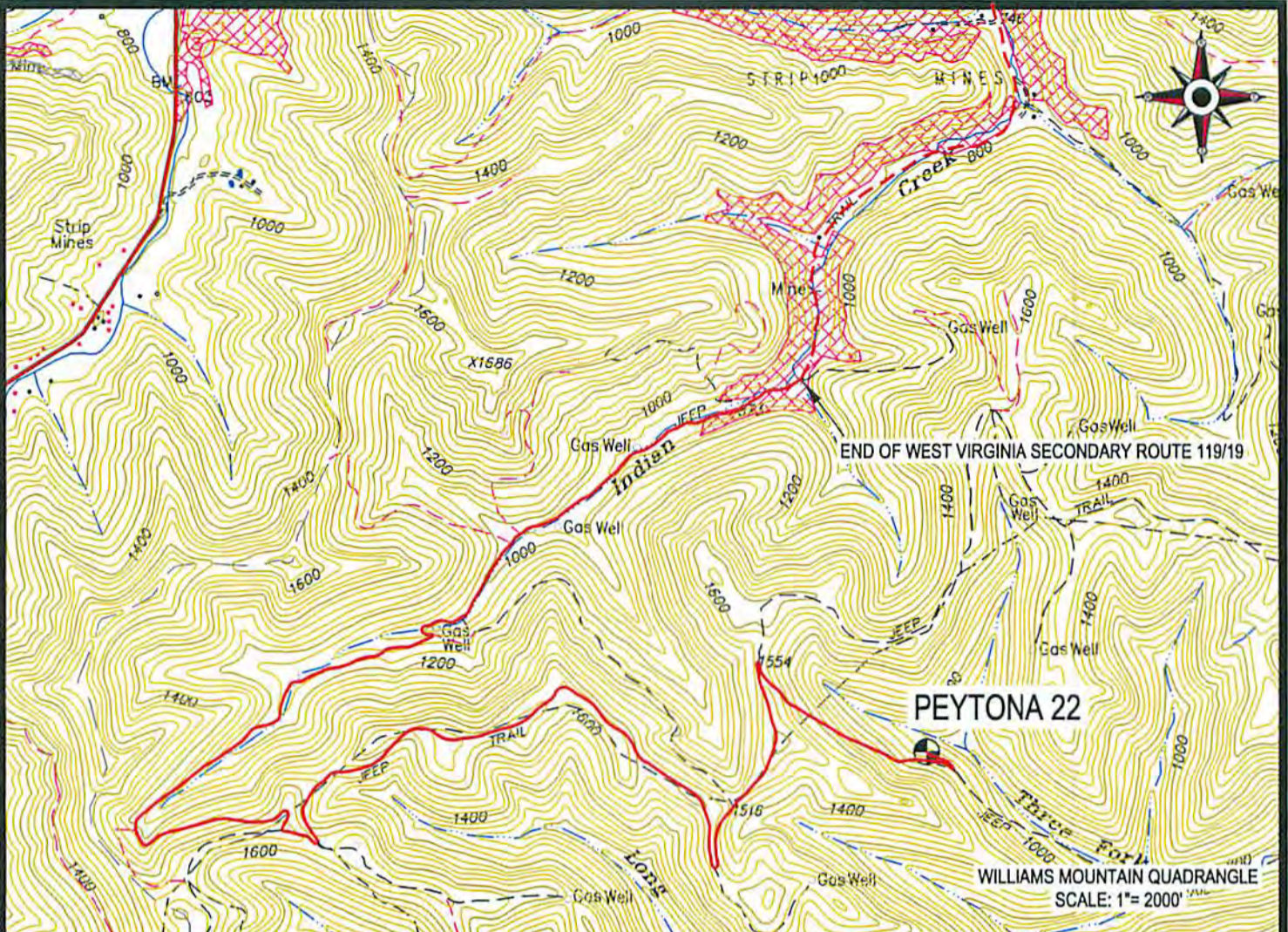
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_


Title: *Inspector* Date: *8/6/15*

Field Reviewed? ( ) Yes ( ) No



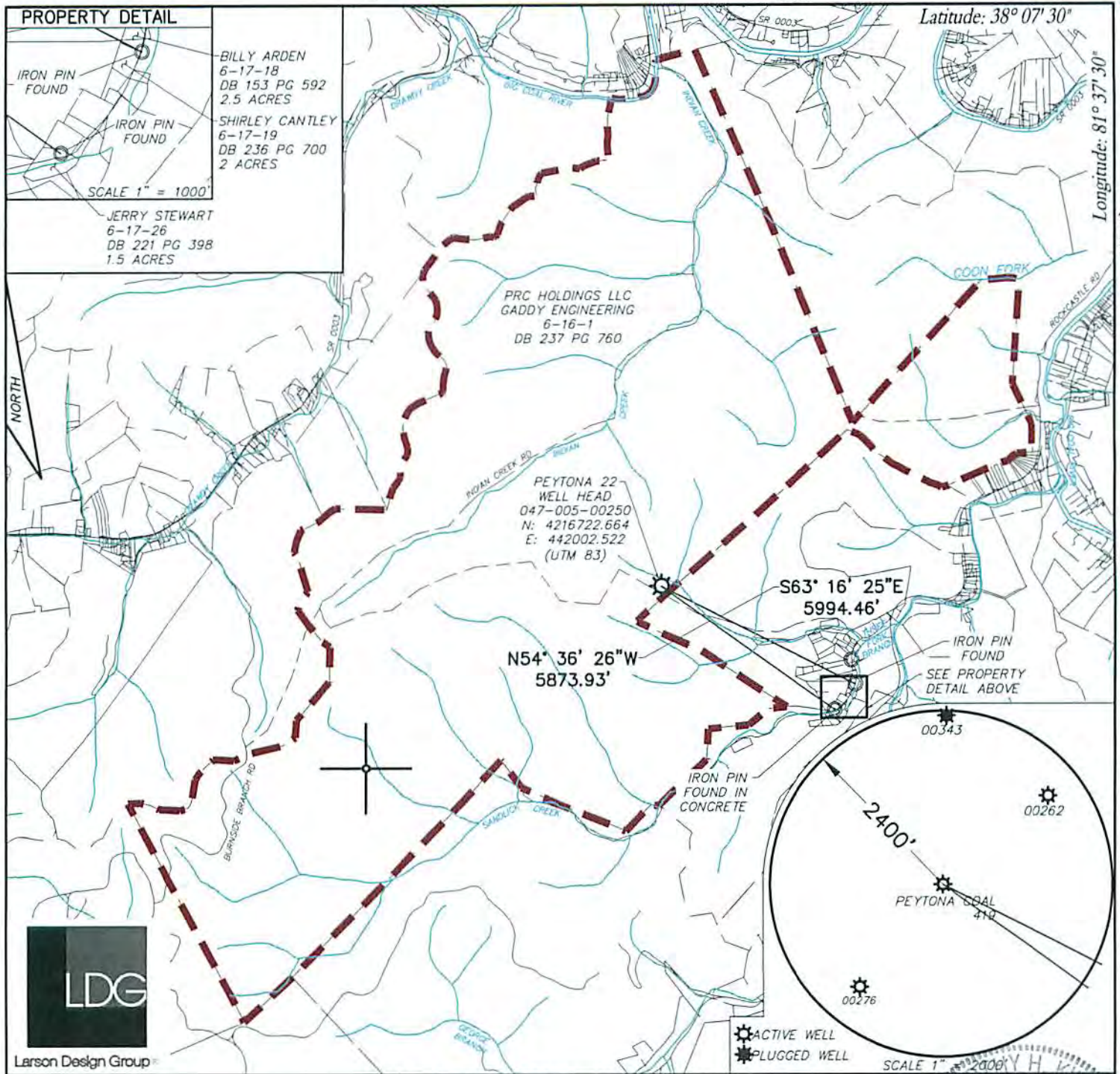
 Cabot Oil & Gas Corporation

**PEYTONA 22**  
LOCATION MAP 08/14/2015

 **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 THREE FORK BRANCH  
OF LAUREL CREEK  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

PROJECT NO. CABOT	DWG. NO. PEYTONA 22 LOC.DWG
DATE: 01-25-15	SCALE: AS NOTED
	CHK'D BY: D.K.C.
DRAWN BY: G. PERKINS	FILE: C:\PROJECT FOLDER\CABOT



FILE #: 8744-005  
 DRAWING #: 1  
 SCALE: 1" = 4000'  
 MINIMUM DEGREE OF ACCURACY: 1" in 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.: 1969



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



DATE: JUNE 19, 2014  
 OPERATOR'S WELL #: PEYTONA COAL #419  
 RECEIVED 47 005 00250 P  
 Office of Oil and Gas STATE COUNTY PERMIT

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

WATERSHED: THREE FORK BRANCH  
 COUNTY/DISTRICT: BOONE/SHERMAN & PEYTONA  
 SURFACE OWNER: PRC HOLDINGS LLC / GADDY ENGINEERING  
 OIL & GAS ROYALTY OWNER: PEYTONA COAL LAND COMPANY (47-4056)

WV Department of Environmental Protection  
 1100' QUADRANGLE: WILLIAMS MOUNTAIN

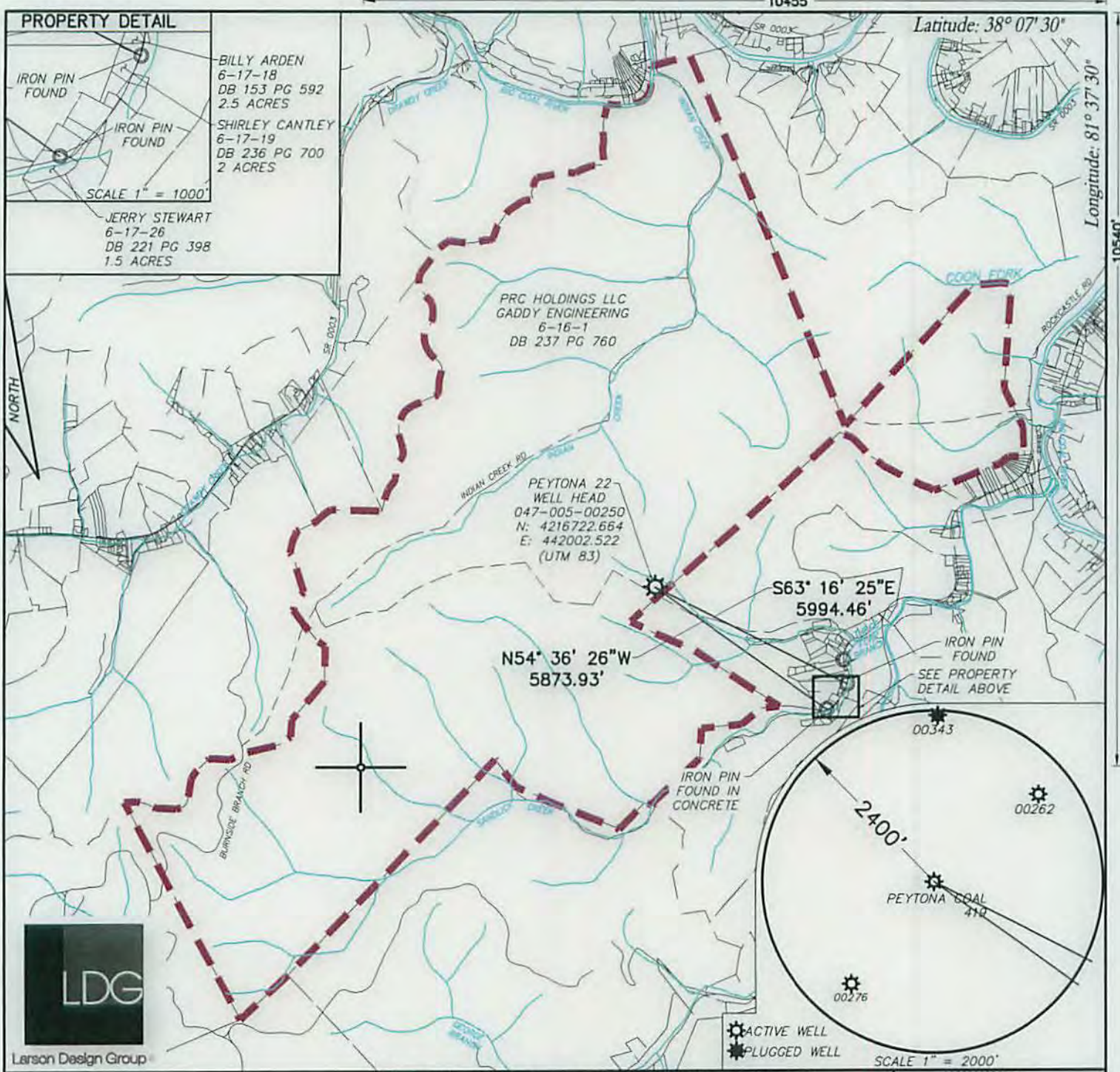
ACREAGE: \_\_\_\_\_  
 ACREAGE: 6.76  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: BEREA ESTIMATED DEPTH: 2491' - 2511'

WELL OPERATOR CABOT OIL & GAS CORPORATION  
 Address FIVE PENN CENTER WEST, SUITE 401  
 City PITTSBURGH State PA Zip Code 15276  
 DESIGNATED AGENT WHITNEY JOHNSON  
 Address CABOT OIL & GAS CORPORATION, P.O. BOX 450  
 City GLASGOW State WV Zip Code 25086

FORM WW-6

08/14/2015



FILE #: 8744-005

DRAWING #: 1

SCALE: 1" = 4000'

MINIMUM DEGREE OF ACCURACY: 1" in 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.: 1969

TIMOTHY H. KINDER  
LICENSED  
NO. 1969  
STATE OF WEST VIRGINIA  
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: JUNE 19, 2014

OPERATOR'S WELL #: PEYTONA COAL #419

API WELL #: 47 005 00250

STATE COUNTY PERMIT

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

WATERSHED: THREE FORK BRANCH ELEVATION: 1100'

COUNTY/DISTRICT: BOONE/SHERMAN & PEYTONA QUADRANGLE: WILLIAMS MOUNTAIN

SURFACE OWNER: PRC HOLDINGS LLC / GADDY ENGINEERING ACREAGE: \_\_\_\_\_

OIL & GAS ROYALTY OWNER: PEYTONA COAL LAND COMPANY (47-4056) ACREAGE: 6,760

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: BEREA ESTIMATED DEPTH: 2491' - 2511'

WELL OPERATOR CABOT OIL & GAS CORPORATION DESIGNATED AGENT WHITNEY JOHNSON  
Address FIVE PENN CENTER WEST, SUITE 401 Address CABOT OIL & GAS CORPORATION, P.O. BOX 450  
City PITTSBURGH State PA Zip Code 15276 City GLASGOW State WV Zip Code 25086

FORM WW-6

08/14/2015



500250P



July 14, 2015

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

RE: Peytona Coal #22  
Sherman & Peytona District, Boone County, WV  
API # 47-005-00250  
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,



John Smelko  
North Region Manager, Environmental and Regulatory Compliance

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JUL 22 2015

WV Department of  
Environmental Protection

**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. STONE WILL BE PLACED ABOVE ALL CULVERTS.

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

**DRIVING DIRECTIONS FOR PEYTONA 22**

- 1.) FROM DANVILLE, W.VA DRIVE NORTH ON U.S. ROUTE 119 FOR 0.7 MILES± TO STATE ROUTE 3.
- 2.) TURN RIGHT AND DRIVE EAST ON STATE ROUTE 3 FOR 13.5 MILES± TO SECONDARY ROUTE 119/19.
- 3.) TURN RIGHT AND DRIVE SOUTH ON SECONDARY ROUTE 119/19 FOR 2.9 MILES± TO THE END OF SECONDARY ROUTE 119/19 AND THE BEGINNING OF THE EXISTING ACCESS ROAD.
- 4.) FROM THE AFOREMENTIONED SITE, FOLLOW THE EXISTING ROAD FOR APPROXIMATELY 5.0 MILES± TO THE EXISTING WELL SITE AS SHOWN ON THE "CONSTRUCTION AND RECLAMATION PLAN".

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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

APPLY CULVERTS  
AS NEEDED

END OF WEST VIRGINIA SECONDARY ROUTE 119/19

119  
19



15" C.P.P.

15" C.P.P.

EXISTING ROAD  
+1% TO +4%  
455'±

15" C.P.P.

EXISTING ROAD  
+2% TO +5%  
510'±

15" C.P.P.

EXISTING ROAD  
+1% TO +4%  
525'±

EXISTING ROAD  
+2% TO +5%  
525'±

MATCH SHEET 2

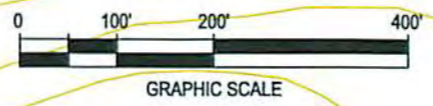
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Department of  
WV

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JUL 22 2015

1000

Indian

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.



Cabot Oil & Gas Corporation

**PEYTONA 22**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF THREE FORK BRANCH  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

SHEET NUMBER 1 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC
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500250P

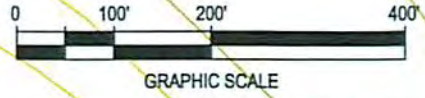
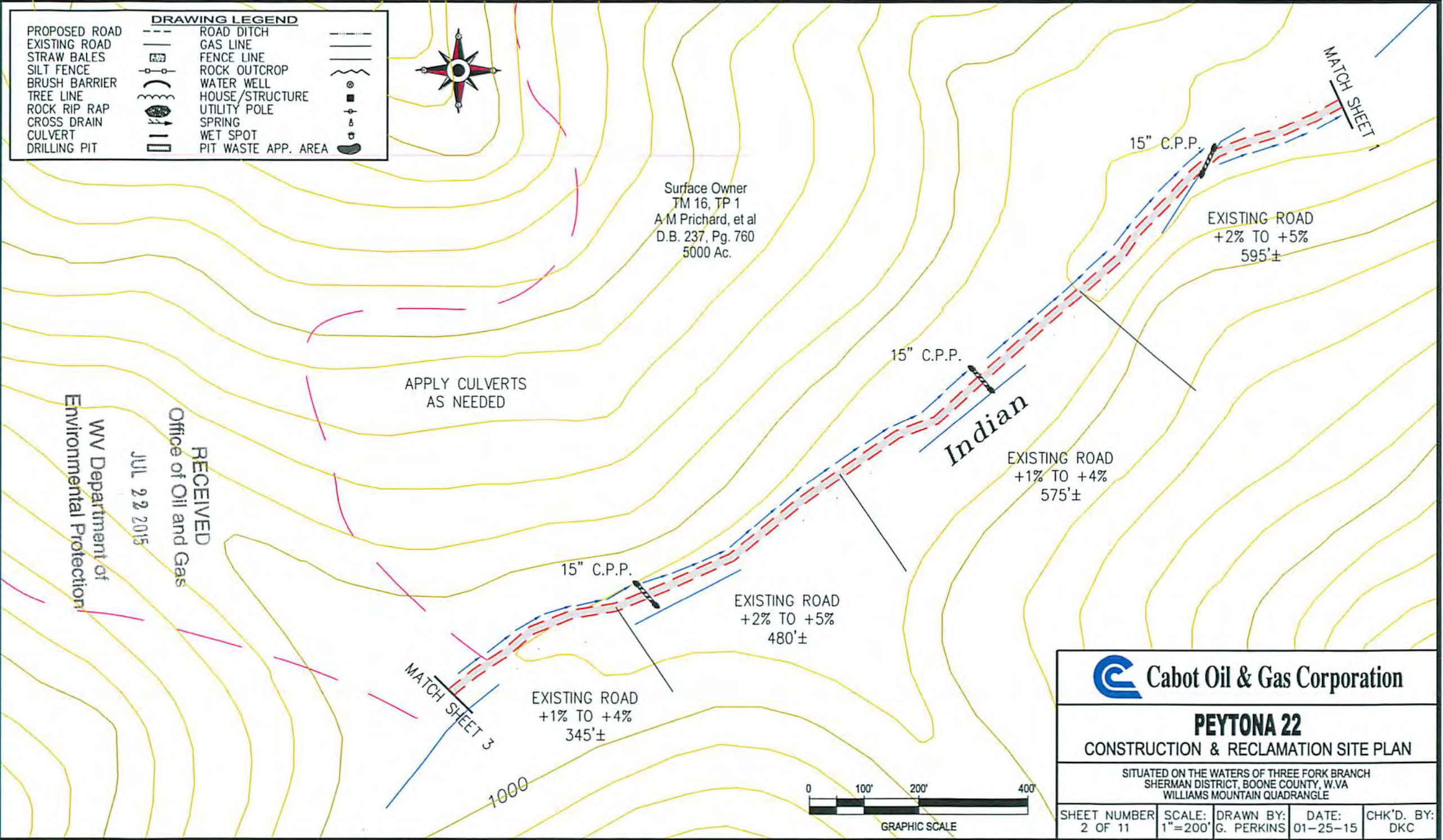
DRAWING LEGEND		
PROPOSED ROAD	ROAD DITCH	
EXISTING ROAD	GAS LINE	
STRAW BALES	FENCE LINE	
SILT FENCE	ROCK OUTCROP	
BRUSH BARRIER	WATER WELL	
TREE LINE	HOUSE/STRUCTURE	
ROCK RIP RAP	UTILITY POLE	
CROSS DRAIN	SPRING	
CULVERT	WET SPOT	
DRILLING PIT	PIT WASTE APP. AREA	



Surface Owner  
 TM 16, TP 1  
 A M Prichard, et al  
 D.B. 237, Pg. 760  
 5000 Ac.

APPLY CULVERTS  
 AS NEEDED

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 WV Department of  
 Environmental Protection



<b>PEYTONA 22</b> <b>CONSTRUCTION &amp; RECLAMATION SITE PLAN</b>				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER 2 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC

S00250P



Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

APPLY CULVERTS  
AS NEEDED

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JUL 22 2015  
WV Department of  
Environmental Protection

MATCH SHEET 2

15" C.P.P.

1000

EXISTING ROAD  
+1% TO +4%  
495'±

15" C.P.P.

EXISTING ROAD  
+2% TO +5%  
575'±

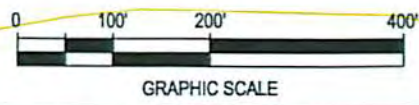
15" C.P.P.


MATCH SHEET 4

EXISTING ROAD  
+3% TO +6%  
125'±

EXISTING ROAD  
+1% TO +4%  
210'±

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	



 Cabot Oil & Gas Corporation				
<b>PEYTONA 22</b>				
CONSTRUCTION & RECLAMATION SITE PLAN				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER 3 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC

500250A

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	



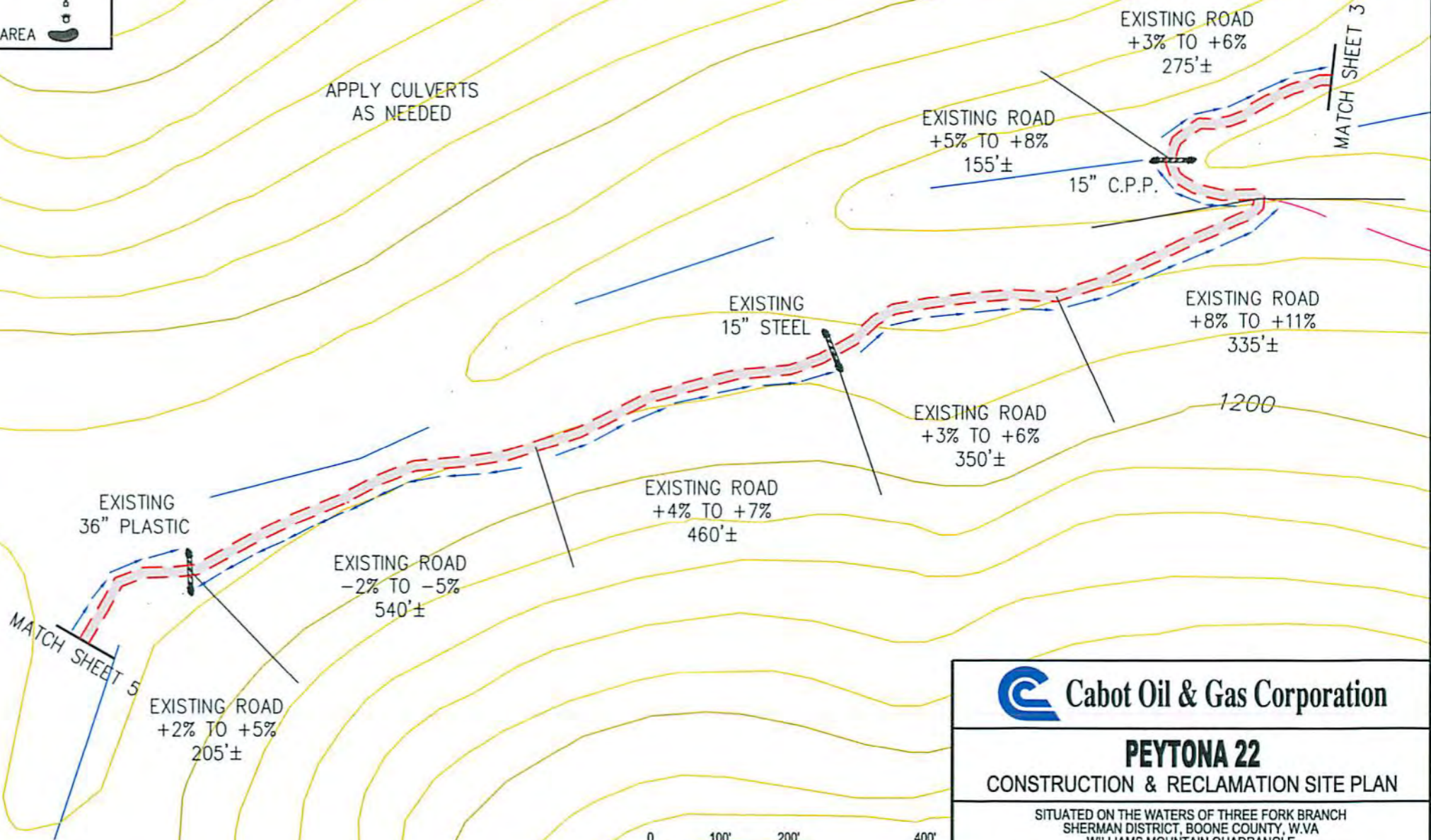
APPLY CULVERTS  
AS NEEDED

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

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<b>PEYTONA 22</b> CONSTRUCTION & RECLAMATION SITE PLAN				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER	SCALE:	DRAWN BY:	DATE:	CHK'D. BY:
4 OF 11	1"=200'	G. PERKINS	01-25-15	DKC

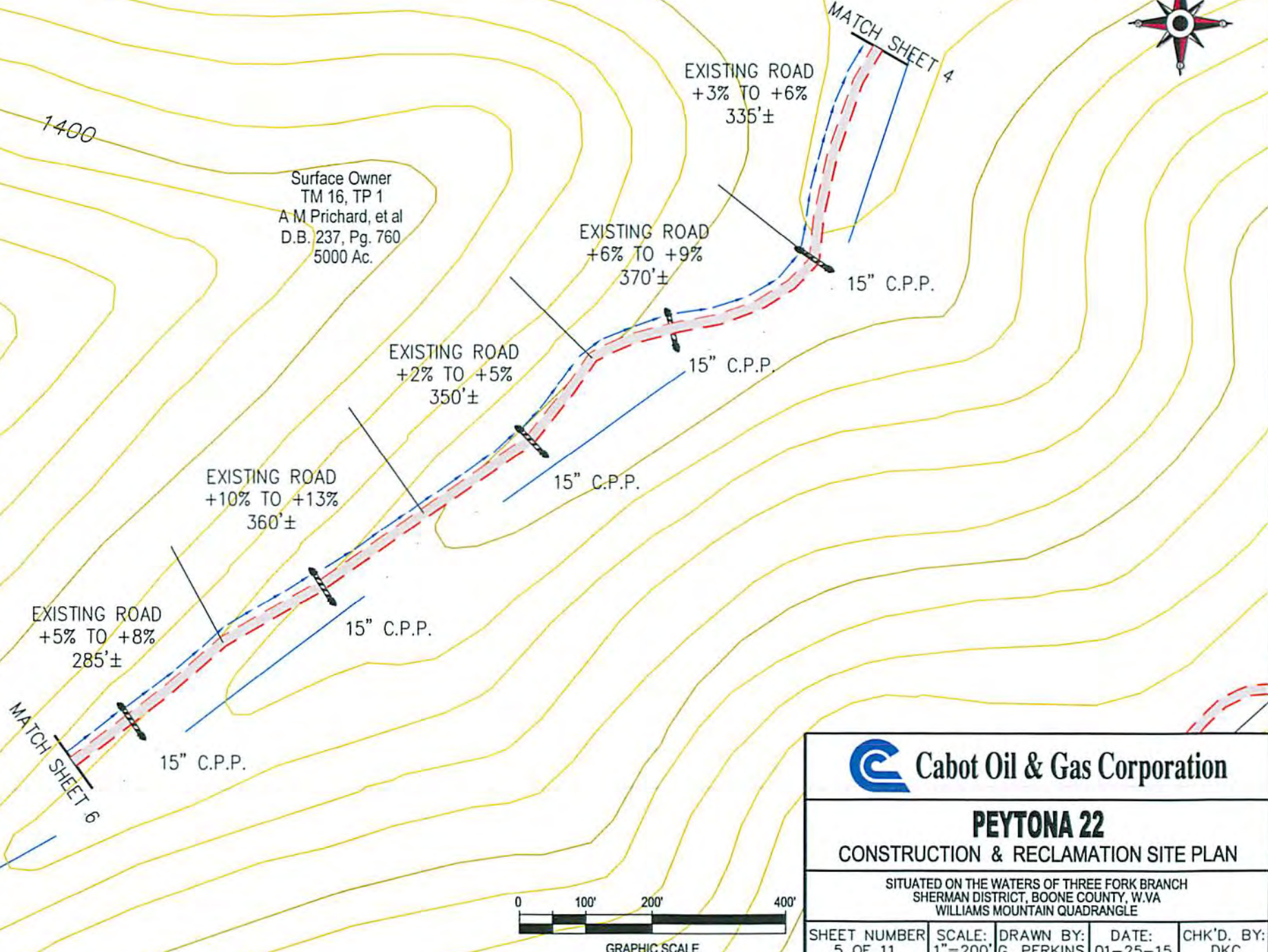
500250P

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	

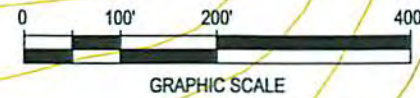


APPLY CULVERTS  
AS NEEDED

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.



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<b>PEYTONA 22</b> CONSTRUCTION & RECLAMATION SITE PLAN				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER	SCALE:	DRAWN BY:	DATE:	CHK'D. BY:
5 OF 11	1"=200'	G. PERKINS	01-25-15	DKC

500250P



Environmental Protection  
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WV

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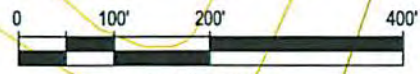
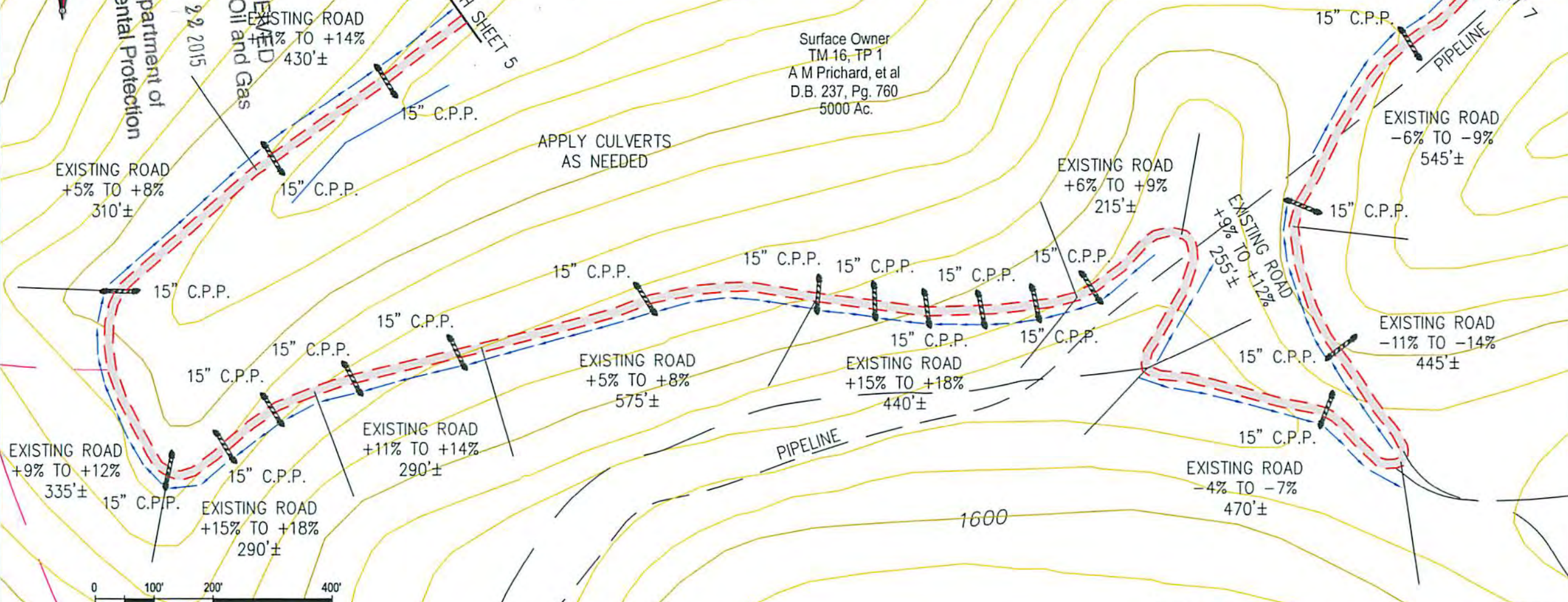
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MATCH SHEET 5

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

MATCH SHEET 7

APPLY CULVERTS  
AS NEEDED



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	

 **Cabot Oil & Gas Corporation**

**PEYTONA 22**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF THREE FORK BRANCH  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

SHEET NUMBER 6 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC
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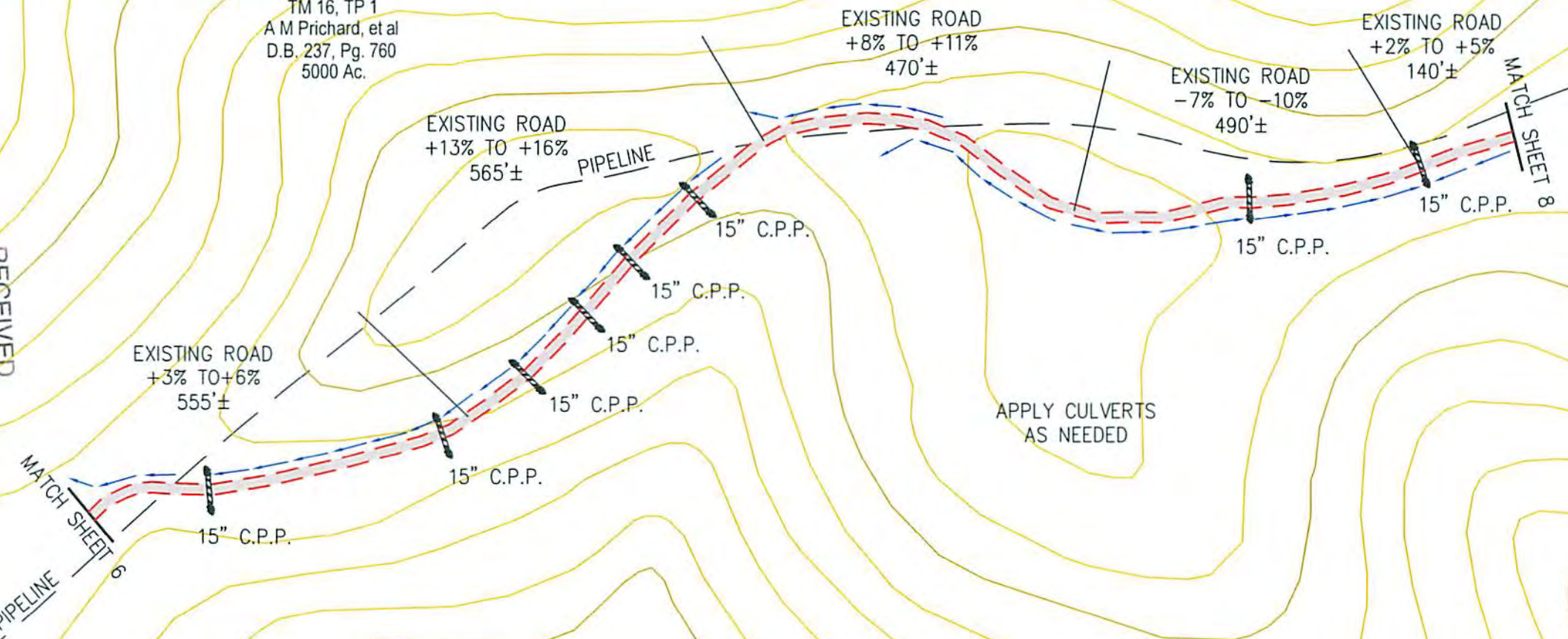
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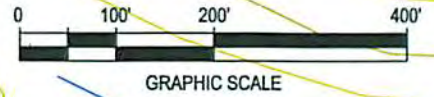


Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

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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	



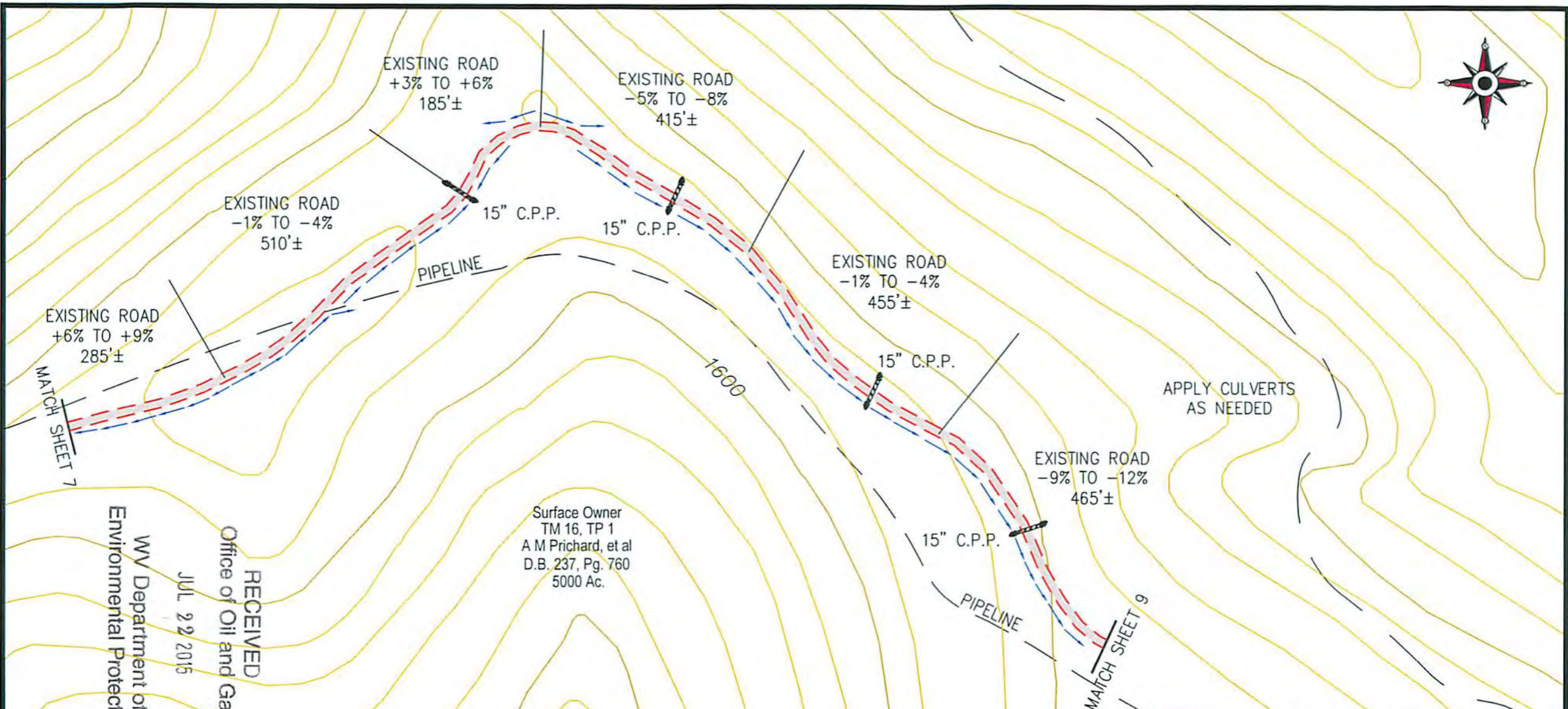
**Cabot Oil & Gas Corporation**

**PEYTONA 22**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF THREE FORK BRANCH  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

SHEET NUMBER 7 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC
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S00250P

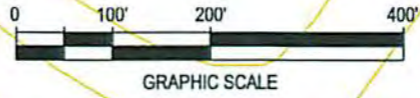


APPLY CULVERTS  
AS NEEDED

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

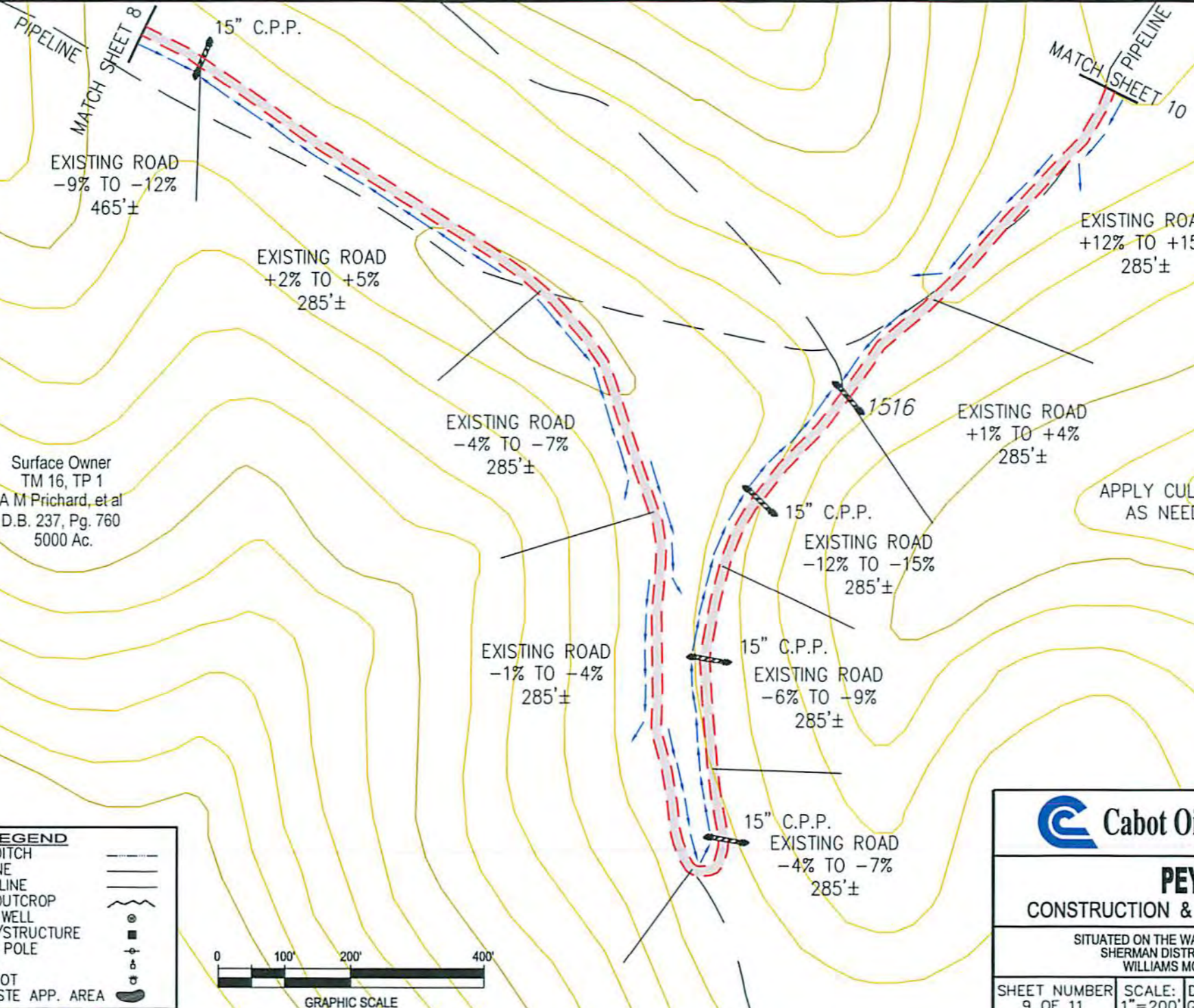
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JUL 22 2015  
WV Department of  
Environmental Protection

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	



<b>PEYTONA 22</b> CONSTRUCTION & RECLAMATION SITE PLAN				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER 8 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC

500250P

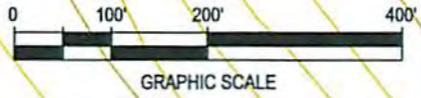


Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

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Environmental Protection  
JUL 22 2015

APPLY CULVERTS  
AS NEEDED

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



<b>PEYTONA 22</b>				
CONSTRUCTION & RECLAMATION SITE PLAN				
SITUATED ON THE WATERS OF THREE FORK BRANCH SHERMAN DISTRICT, BOONE COUNTY, W.VA WILLIAMS MOUNTAIN QUADRANGLE				
SHEET NUMBER 9 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC

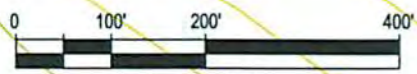
5602509



Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.

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Office of Oil and Gas  
WV Department of  
Environmental Protection  
JUL 22 2015

APPLY CULVERTS  
AS NEEDED



**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	

EXISTING ROAD  
-1% TO -4%  
340'±

1554  
EXISTING ROAD  
-7% TO -10%  
405'±

EXISTING ROAD  
-16% TO -19%  
330'±

EXISTING ROAD  
-5% TO -8%  
625'±

EXISTING ROAD  
-15% TO -18%  
455'±

EXISTING ROAD  
+10% TO +13%  
350'±

15" C.P.P.

MATCH SHEET 9

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

MATCH SHEET 11

PIPELINE

PIPELINE

 Cabot Oil & Gas Corporation

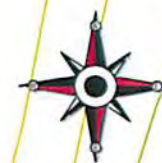
**PEYTONA 22**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF THREE FORK BRANCH  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

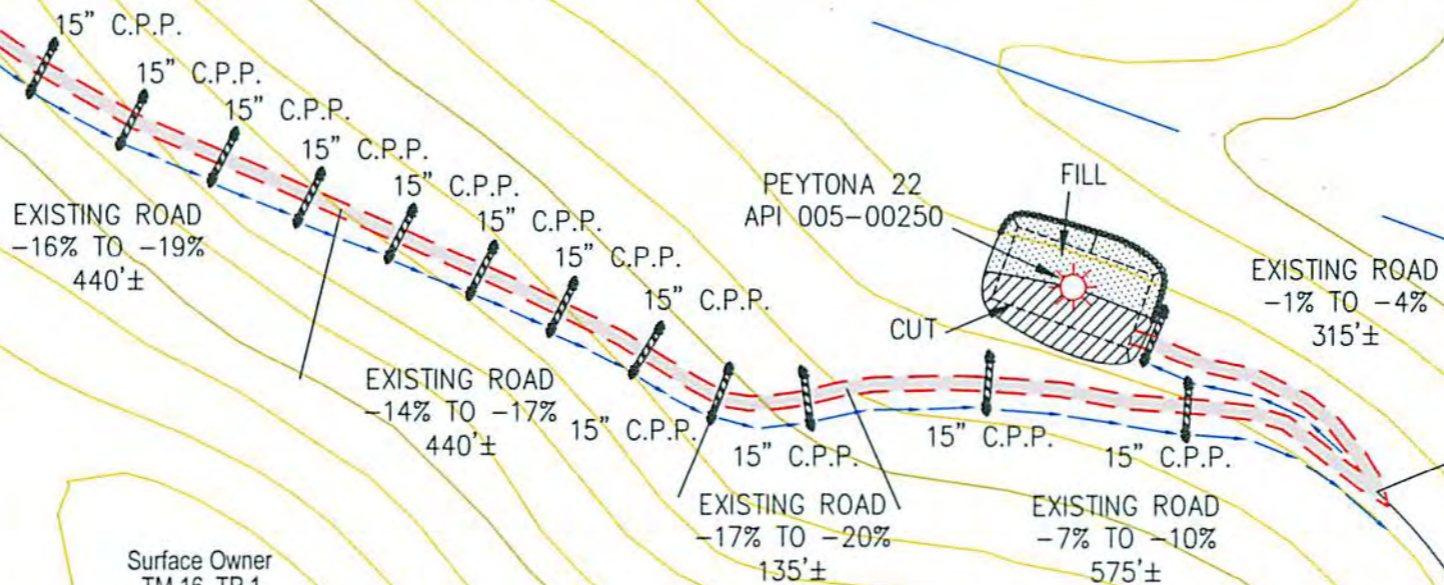
SHEET NUMBER 10 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC
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500250P

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.

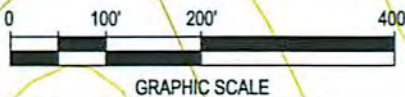


MATCH SHEET 10



RECEIVED  
Office of Oil and Gas  
JUL 22 2015  
WV Department of  
Environmental Protection

Surface Owner  
TM 16, TP 1  
A M Prichard, et al  
D.B. 237, Pg. 760  
5000 Ac.



APPLY CULVERTS  
AS NEEDED

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

**Cabot Oil & Gas Corporation**

**PEYTONA 22**  
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF THREE FORK BRANCH  
SHERMAN DISTRICT, BOONE COUNTY, W.VA  
WILLIAMS MOUNTAIN QUADRANGLE

SHEET NUMBER 11 OF 11	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 01-25-15	CHK'D. BY: DKC
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5002509