



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

September 18, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9901872, 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: GYPSY/WRIGHT A4
Farm Name: HURLEY, HENRY, ET AL
API Well Number: 47-9901872
Permit Type: Plugging
Date Issued: 09/18/2013

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

1. 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.

1) Date August 14, 2013
2) Operator's
Well No. Gypsy Wright A-4
3) API Well No. 47-099 -01872

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 821.10 Watershed Twomile Creek
District Stonewall County Wayne Quadrangle Wayne

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 9) Plugging Contractor
Name Jeremy James Name Viking Well Services
Address P.O. Box 147 Address 8113 Sissonville Drive
Ona, WV 25545 Sissonville, WV 25320

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
W.V. Dept. 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 8-21-13

A-4

GYPHY WRIGHT A-4 API # 47 - 099 - 01872 PLUGGING PROCEDURE

Current Configuration

- DTD @ 4156'
- 16" conductor @ 46' KB, cemented to surface
- 9 5/8" - 36# LS casing @ 638' KB, cemented to surface
- 7" - 20# LS casing @ 2230' KB, cemented to surface
- 4 1/2" - 11.6# - j55 casing @ 4041' KB w/ TOC @ 2250'
- 2 3/8" - 4.6# tubing @ 3928' KB
- 2 3/8" x 4 1/2" Arrow-set 1XS packer @ 3676' KB
- Big Six perforations: 3922' - 3938'
- Berea formation: 2090 - 2210' (not perforated)
- Coal @ 525' & 588'
- Salt water @ 919', 1000', & 1750'
- Fresh water @ 68' & 362'

ELEV. 917.15 FT.

100' CEMENT PLUG ACROSS w/ EXPANDING CEMENT
 @ 3900' - 4000'

∴ CAST IRON BRIDGE PLUG WILL HAVE TO BE SET HIGHER @ ≈ 3870'

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. MIRU company certified in H2S safety. All personnel on location must be trained in the proper use of respirators and other safety devices. Respiratory equipment is to worn in areas with H2S concentrations that exceed 10 ppm. **NOTE: Big Six tested 1,000 ppm H2S after perforating.**
4. MIRU service rig and blow down well.
5. Lay 2" line from wellhead to pit/tank and stake down securely. Vent 4 1/2" x 7" annulus.
6. Unpack wellhead.
7. Unseat packer and POOH with tubing.
8. RU Wireline and set cast iron bridge plug at 3900' KB.
9. RIH with 2 3/8" tubing to top of bridge plug.
10. MIRU Cementing Company.
11. Pump 10 barrels of 6% Gel.
12. Pump 22 sacks of latex cement for cement plug 1 from 3900' to 3600'.
13. Displace with 14 bbls of 6% Gel. *Need 100ft plug separating zones 3175 - 3275 on*
14. POOH with tubing.
15. Run freepoint and cut 4 1/2" casing where free. Estimate ±2250'. Pick up casing 1 jt and pump 40 bbls 6% gel. *Run in w/work string & set plug over cut, 50' below*
16. Pump 60 sacks Class A cement for Cement Plug 2 from 2210' to 1900'.
17. Displace with 29 bbls of 6% Gel.
18. Pull casing up to 200' and pump 40 sacks of Class A cement for Cement Plug 3 from 200' to surface. *Need saltwater plug @ 800 - 900
Need coal plug @ 475 - 615*
19. TOOH with casing and lay down.
20. RDMO Cement company
21. Erect Monument according to Law.
22. RDMO.

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Office of Oil and Gas
WV Dept. of Environmental Protection

WR-35

RECEIVED
 WV Division of
 Environmental Protection
FEB 22 94
 Permitting
 Office of Oil & Gas

25-Jun-93
 API # 47-099-01872

State of West Virginia
 DEPARTMENT OF ENERGY
 Division of Oil and Gas
 Well Operator's Report of Well Work

Farm name: MUNCIE, JAMES ET AL Operator Well No.: GYPSY/WRIGHT A-4
 Location: Elevation: 917.15 Quadrangle: WAYNE

District: STONEWALL County: WAYNE
 Latitude: 5350 Feet South of 38 Deg. 10 Min. Sec.
 Longitude: 7600 Feet West of 82 Deg. 25 Min. Sec.

Company: CABOT OIL & GAS CORPORATION
 3 Gateway Center, Suite 2000
 Pittsburgh, PA 15222

Agent: RUSSELL PERKINS

Inspector: OFIE HELMICK
 Permit Issued: 06/30/93
 Well Work Commenced: 07/30/93
 Well Work Completed: 08/07/93
 Verbal Plugging
 Permission granted on: _____
 Rotary X Cable _____ Rig _____
 Total Depth (feet) 4156'
 Fresh water depths (ft) 68, 362

Salt water depths (ft) 919, 1000, 1750

Is coal being mined in area (Y/N)? _____
 Coal Depths (ft): 525, 588

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	36'	36'	N/A
9-5/8"	628'	628'	200 sks Class A
7"	2220'	2220'	380 sks Class A
4-1/2"	4031'	4031'	100 sks Neat w/ Latex
2-3/8"	n/a	3871'	n/a

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OPEN FLOW DATA

Producing formation BIG SIX Pay zone depth (ft) 3922-3938
 Gas: Initial open flow 537 MCF/d Oil: Initial open flow n/a Bbl/d
 Final open flow 603 MCF/d Final open flow n/a Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 1200 psig (surface pressure) after 16 Hours

Second Producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED

9901872P

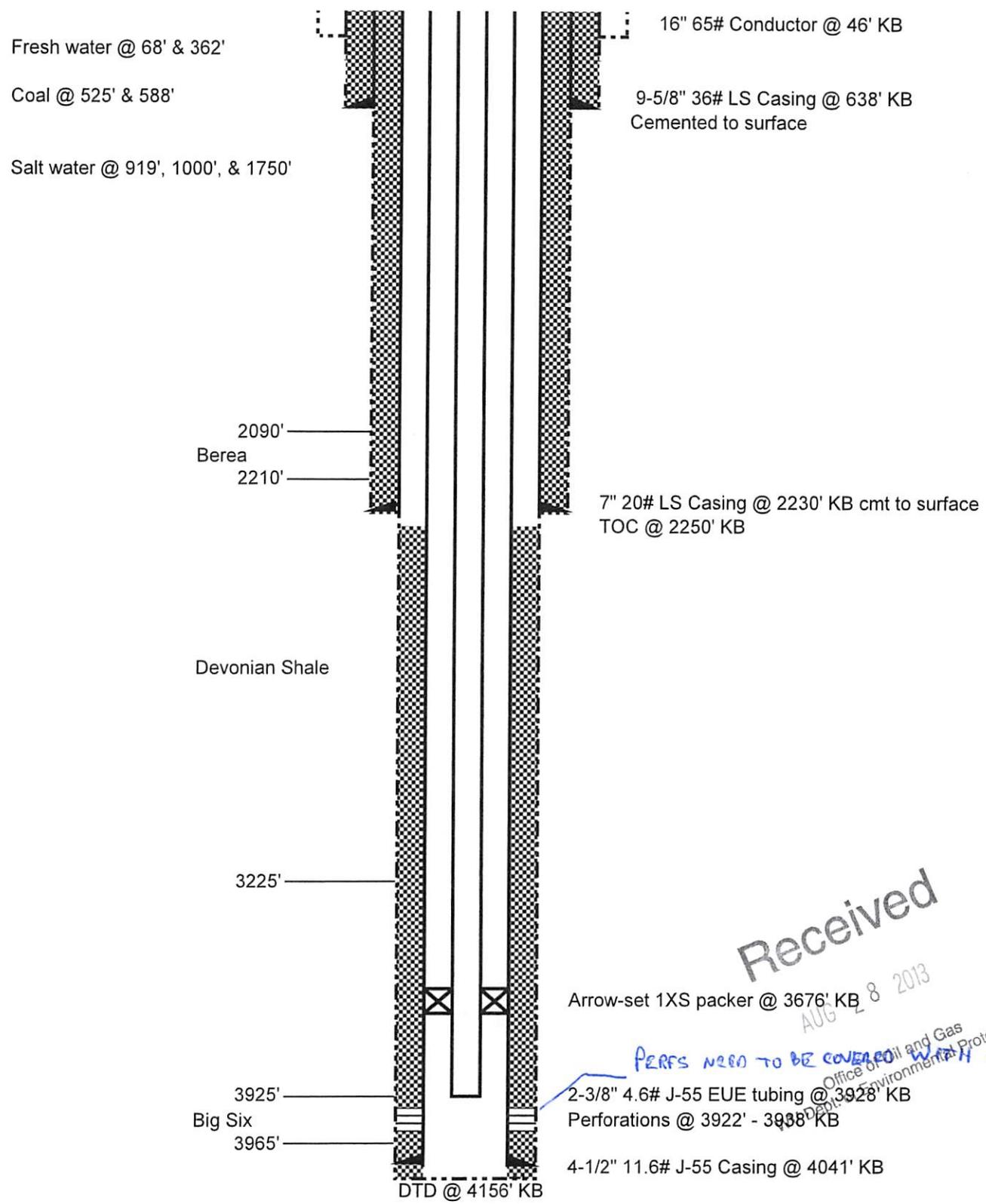
w/470,000 scf N₂ @ 6000 scf/m; ATP - 3250 psi; ISIP - 1800 psi.

FORMATION	TOP	BOTTOM
Sand & Shale	0	1300
Big Lime	1300	1470
Big Injun	1470	1585
Shale	1585	2090
Berea	2090	2210
Devonian Shale	2210	3225
Onondaga	3225	3350
Shale	3350	3855
Lockport	3855	3925
Big Six	3925	3965
Keefer	3965	3990
Rose Hill	3990	4156
TD		4156

17432

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Gypsy Wright A-4 API 47-099-01872 CURRENT CONFIGURATION



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Department of Environmental Protection

PERFS NEED TO BE COVERED WITH CEMENT

Schematic is not to scale

9901872A

WW-4A
Revised 6-07

1) Date: August 14, 2013

2) Operator's Well Number
Gypsey Wright A-4

3) API Well No.: 47 - 099 - 01872

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>Rock Springs Development, Inc.</u> ✓
Address _____	Address <u>Camp Creek Rd.</u>
	<u>East Lynn, WV 25512</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Sarah F. Wright</u> ✓
	Address <u>701 Big Branch Road</u>
	<u>Wayne, WV 25570</u>
(c) Name _____	Name <u>Babara B. Morris</u> ✓
Address _____	Address <u>P.O. Box 97</u>
	<u>Wayne, WV 25570</u>
6) Inspector <u>Jeremy James</u> ✓	(c) Coal Lessee with Declaration
Address <u>P.O. Box 147</u>	Name <u>N/A</u>
<u>Ona, WV 25545</u>	Address _____
Telephone <u>(304) 951-2596</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

COMMONWEALTH OF PENNSYLVANIA
 Notarial Seal
 Constance C. Carden, Notary Public
 McDonald Boro, Washington County
 My Commission Expires Nov. 16, 2013
 Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 14th day of August
Constance C. Carden Notary Public
 My Commission Expires November 16, 2013

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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 depprivacyofficer@wv.gov.

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) Twomile Creek Quadrangle Wayne

Elevation 821.10' County Wayne District Stonewall

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 *ANY EFFLUENT MUST BE CONTAINED IN TANKS,*

If so, please describe anticipated pit waste: _____

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

Company Official (Typed Name) Kenneth L. Marcum

Company Official Title Regulatory Supervisor

Subscribed and sworn before me this 14th day of August, 20 13

Constance C. Carden Notary Public

My commission expires 11/16/2013

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Constance C. Carden, Notary Public
McDonald Boro, Washington County
My Commission Expires Nov. 16, 2013
Member, Pennsylvania Association of Notaries

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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)

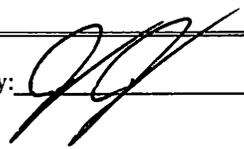
Mulch Pulp Fiber at 1000 to 1500 Tons/acre

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: _____

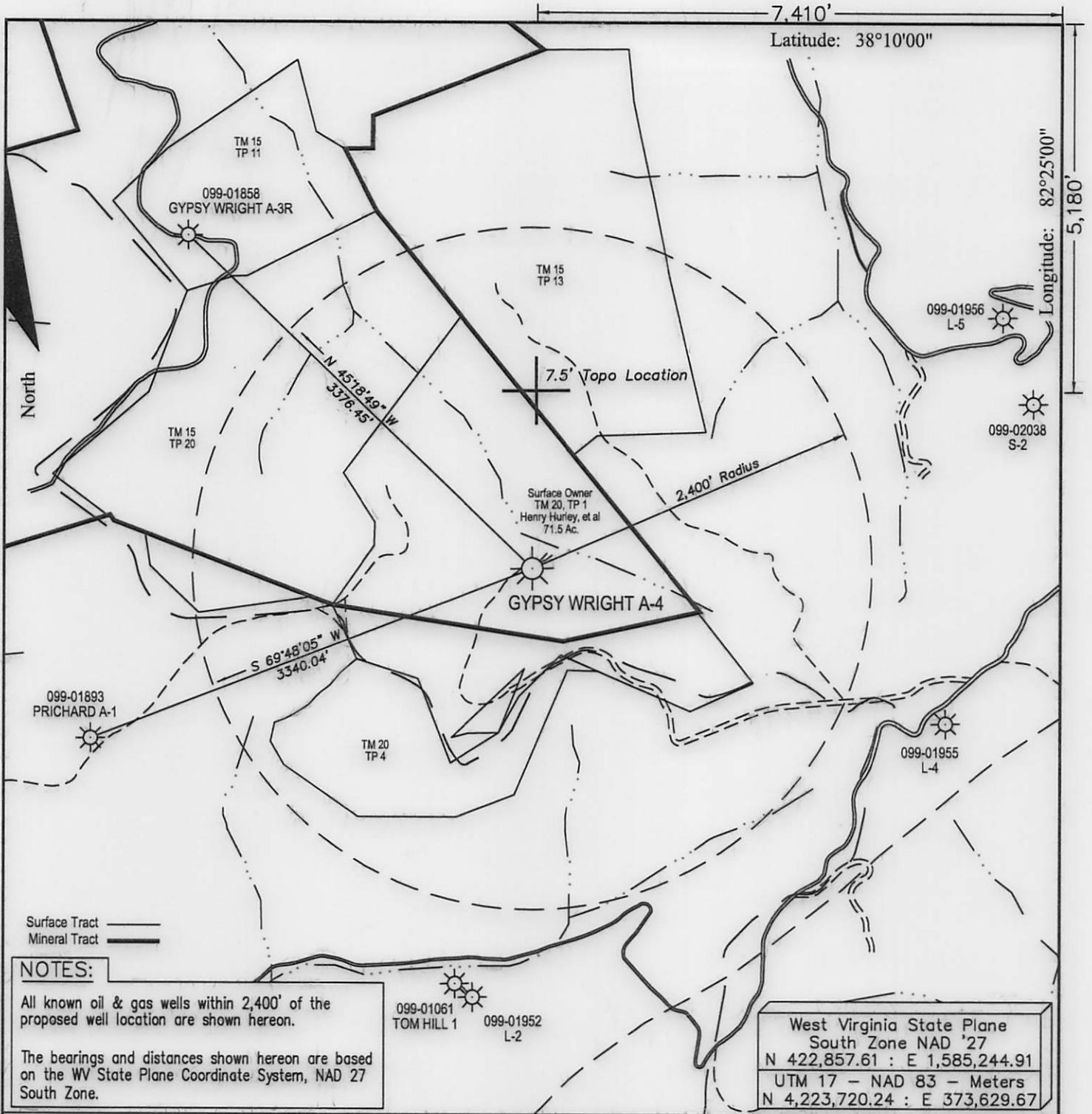
Title: inspector GOG

Date: 8-21-13

Field Reviewed? Yes No

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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 422,857.61 : E 1,585,244.91
 UTM 17 - NAD 83 - Meters
 N 4,223,720.24 : E 373,629.67

FILE #:
 DRAWING #: Gypsy A-4 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

West Virginia State Plane
 South Zone NAD '27
 N 422,857.61 : E 1,585,244.91
 UTM 17 - NAD 83 - Meters
 N 4,223,720.24 : E 373,629.67

DON K. CUNNINGHAM
 LICENSED
 No. 701
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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



DATE: May 20, 2013
 OPERATOR'S WELL #: Gypsy Wright A-4
 API WELL #: 47 099 01872P
 STATE COUNTY PERMIT

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

WATERSHED: Twomile Creek ELEVATION: 821.10'
 COUNTY/DISTRICT: Wayne / Stonewall QUADRANGLE: Wayne
 SURFACE OWNER: Henry Hurley, et al ACREAGE: 71.5
 OIL & GAS ROYALTY OWNER: Gypsy Wright ACREAGE: 560
 LEASE #: 47-2199 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

9901872P



Surface Owner
TM 15, TP 6
Faye J. Stephens
130 Ac.

Surface Owner
TM 15, TP 6.1
Faye J. Stephens
10 Ac.

Surface Owner
TM 15, TP 6.2
Faye J. Stephens
6.3 Ac.

EXISTING ROAD
+1% TO +3%
195'±

EXISTING ROAD
+3% TO +6%
320'±

EXISTING ROAD
+3% TO +6%
350'±

15" C.P.P.

15" C.P.P.

700

NOTE:
Apply all culverts as needed.

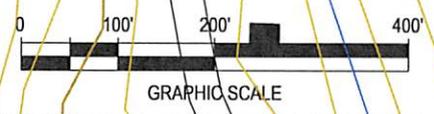
MATCH LINE SHEET 2

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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	



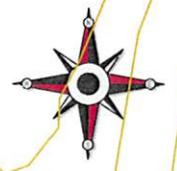
 **Cabot Oil & Gas Corporation**

GYPSY WRIGHT A-4
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
STONEWALL DISTRICT, WAYNE COUNTY, W.VA
WAYNE QUADRANGLE

SHEET NUMBER 1 OF 7	SCALE: 1"=200'	DRAWN BY: J.M. JONES	DATE: 05/20/13	CHK'D. BY: DKC
------------------------	-------------------	-------------------------	-------------------	-------------------

9901872P



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 15, TP 6
Faye J. Stephens
130 Ac.

NOTE:
Apply all culverts as needed.

Surface Owner
TM 15, TP 5
Rebecca Lea Jude
45.5 Ac.

Surface Owner
TM 15, TP 8.2
Jeffrey A. & Tina D. Queen
106.86 Ac.

EXISTING ROAD
+1% TO +3%
120'±

EXISTING ROAD
+1% TO +3%
355'±

EXISTING ROAD
+1% TO +3%
355'±

EXISTING ROAD
+1% TO +3%
250'±

EXISTING ROAD
+1% TO +3%
245'±

EXISTING ROAD
-1% TO -3%
405'±

EXISTING ROAD
+1% TO +3%
260'±

EXISTING ROAD
-1% TO -3%
385'±

EXISTING ROAD
-7% TO -10%
255'±

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

15" C.P.P.

800

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MATCH LINE SHEET 1

MATCH LINE SHEET 3



GRAPHIC SCALE



GYPHY WRIGHT A-4 CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
STONEWALL DISTRICT, WAYNE COUNTY, W.VA
WAYNE QUADRANGLE

SHEET NUMBER 2 OF 7	SCALE: 1"=200'	DRAWN BY: J.M. JONES	DATE: 05/20/13	CHK'D. BY: DKC
------------------------	-------------------	-------------------------	-------------------	-------------------

9901872P

MATCH LINE SHEET 2

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 15, TP 5
 Rebecca Lea Jude
 45.5 Ac.

EXISTING ROAD
 -2% TO -5%
 375'±

Surface Owner
 TM 15, TP 9
 Faye J. Stephens
 125 Ac.

EXISTING ROAD
 +1% TO +3%
 245'±

EXISTING ROAD
 +1% TO +3%
 270'±

EXISTING ROAD
 +1% TO +3%
 245'±

Surface Owner
 TM 15, TP 8.2
 Jeffrey A. & Tina D. Queen
 106.86 Ac.

EXISTING ROAD
 +2% TO +5%
 220'±

EXISTING ROAD
 -1% TO -3%
 250'±

EXISTING ROAD
 +1% TO +3%
 190'±

EXISTING ROAD
 +1% TO +3%
 320'±

NOTE:
 Apply all culverts as needed.



Received

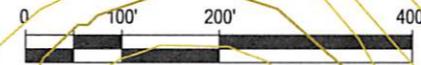
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Office of Oil and Gas
 WV Dept. of Environmental Protection

Twomile

Creek

800



GRAPHIC SCALE

MATCH LINE SHEET 4

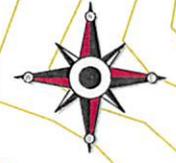
Cabot Oil & Gas Corporation

GYPSY WRIGHT A-4
 CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
 STONEWALL DISTRICT, WAYNE COUNTY, W.VA
 WAYNE QUADRANGLE

SHEET NUMBER 3 OF 7	SCALE: 1"=200'	DRAWN BY: J.M. JONES	DATE: 05/20/13	CHK'D. BY: DKC
------------------------	-------------------	-------------------------	-------------------	-------------------

9901872P



MATCH LINE SHEET 3

EXISTING ROAD
-3% TO -6%
195'±

15" C.P.P.

EXISTING ROAD
+1% TO +3%
330'±

Surface Owner
TM 15, TP 9
Faye J. Stephens
125 Ac.

15" C.P.P.

EXISTING ROAD
+1% TO +3%
370'±

NOTE:
Apply all culverts as needed.

EXISTING ROAD
-1% TO -3%
165'±

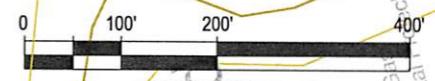
15" C.P.P.

EXISTING ROAD
+1% TO +3%
360'±

EXISTING ROAD
-1% TO -3%
240'±

MATCH LINE SHEET 5

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



GRAPHIC SCALE

Received
AUG 16 2013
Office of Oil and Gas Regulation
Office of Environmental Protection
WV Dept. of Environmental Protection

 Cabot Oil & Gas Corporation

GYPSY WRIGHT A-4
CONSTRUCTION & RECLAMATION SITE PLAN

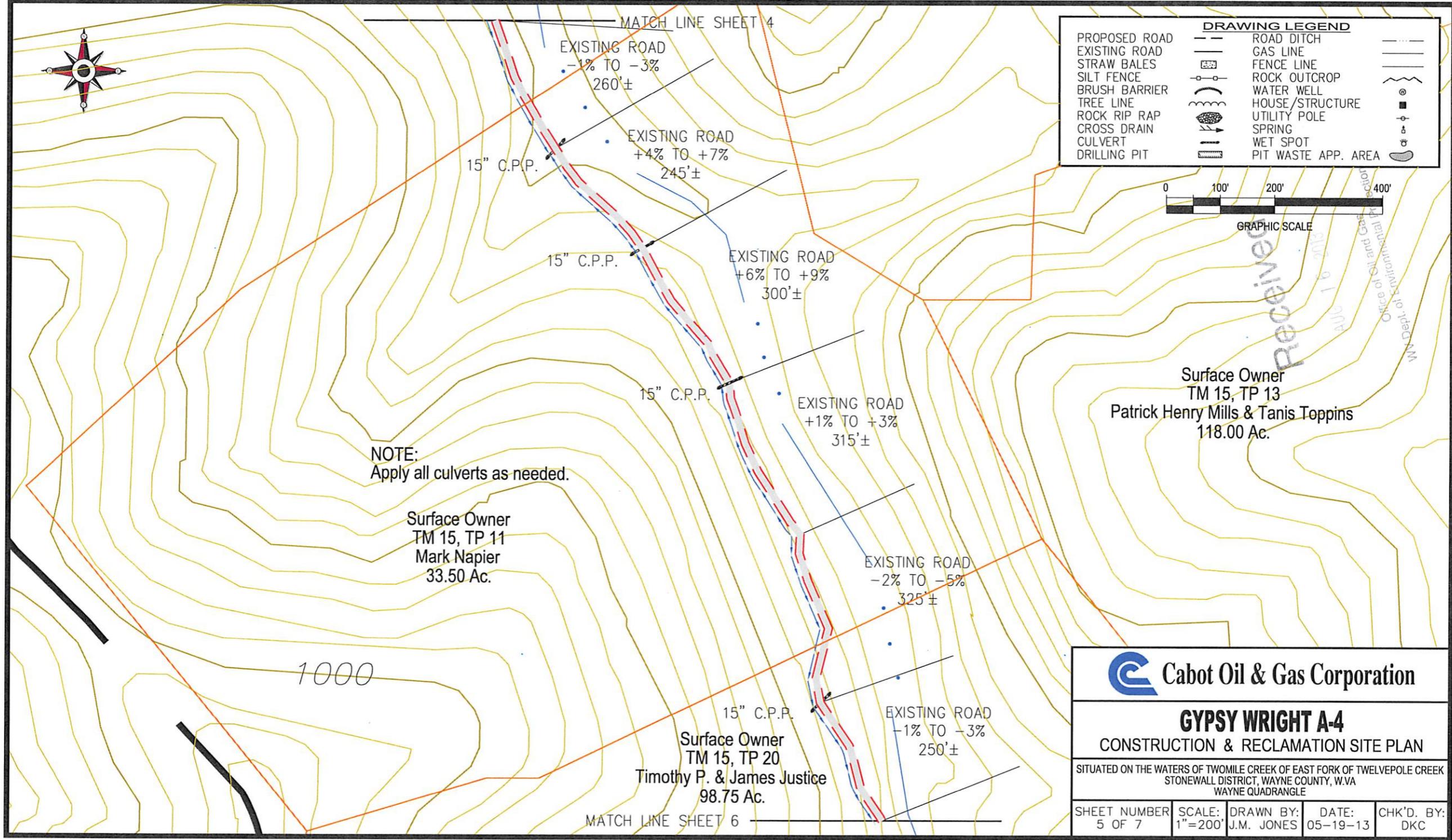
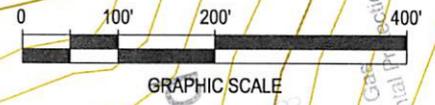
SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
STONEWALL DISTRICT, WAYNE COUNTY, W.VA
WAYNE QUADRANGLE

SHEET NUMBER 4 OF 7	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 05-20-13	CHK'D. BY: DKC
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9901872P



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	



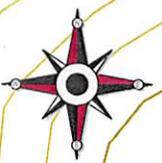
Cabot Oil & Gas Corporation

GYPSY WRIGHT A-4
CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
STONEWALL DISTRICT, WAYNE COUNTY, W.VA
WAYNE QUADRANGLE

SHEET NUMBER 5 OF 7	SCALE: 1"=200'	DRAWN BY: J.M. JONES	DATE: 05-19-13	CHK'D. BY: DKC
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99 01872P



MATCH LINE SHEET 5

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 15, TP 20
Timothy P. & James Justice
98.75 Ac.

Surface Owner
TM 15, TP 13
Patrick Henry Mills & Tanis Toppins
118.00 Ac.

Surface Owner
TM 20, TP 1
Henry Hurley, et al
71.5 Ac.

NOTE:
Apply all culverts as needed.

EXISTING ROAD
-1% TO -3%
320'±

EXISTING ROAD
+15% TO +18%
340'±

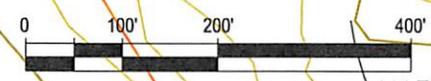
EXISTING ROAD
+2% TO +5%
290'±

EXISTING ROAD
+1% TO +3%
275'±

EXISTING ROAD
-1% TO -3%
305'±

EXISTING ROAD
+1% TO +3%
330'±

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



MATCH LINE SHEET 7

Cabot Oil & Gas Corporation

GYPSY WRIGHT A-4 CONSTRUCTION & RECLAMATION SITE PLAN

SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK
STONEWALL DISTRICT, WAYNE COUNTY, W.VA
WAYNE QUADRANGLE

SHEET NUMBER 6 OF 7	SCALE: 1"=200'	DRAWN BY: G. PERKINS	DATE: 05-19-13	CHK'D. BY: DKC
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Received
AUG 16 2013
Office of Oil and Gas Regulation
WV Dept. of Environmental Protection

99018729

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 LINE SHEET 6



Received

AUG 16 2012

Office of Oil and Gas
WV Dept. of Environmental Protection

Surface Owner
TM 20, TP 1
Henry Hurley, et al
71.5 Ac.

GYPSY WRIGHT A-4
API #099-01872

EXISTING ROAD
+2% TO +5%
235'±

EXISTING ROAD
+2% TO +5%
400'±

EXISTING ROAD
-3% TO -6%
260'±

EXISTING ROAD
-9% TO -12%
135'±

15" C.P.P.

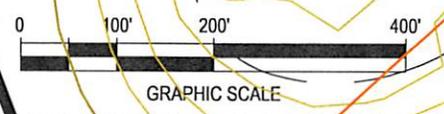
EXISTING ROAD
-1% TO -3%
430'±

FILL

CUT

NOTE:
Apply all 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



GYPSY WRIGHT A-4			
CONSTRUCTION & RECLAMATION SITE PLAN			
SITUATED ON THE WATERS OF TWOMILE CREEK OF EAST FORK OF TWELVEPOLE CREEK STONEMALL DISTRICT, WAYNE COUNTY, W.VA WAYNE QUADRANGLE			
SHEET NUMBER 7 OF 7	SCALE: 1"=200'	DRAWN BY: J.M. JONES	DATE: 05-17-13
		CHK'D. BY: DKC	