Report Parameters-

PF Type-	OGL
ICS Organization-	4600
County-	58
Client AKA-	OGO-10897
Prog Alternate Id-	All

Permits

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: 09/27/2006 PF Other Id: 115-20007 PF Name: TEEL 1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: 09/28/2007 PF Other Id: 115-20008 PF Name: GREENWOOD 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20010 PF Name: TEEL 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20011 PF Name: TEEL 6
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20012 PF Name: TEEL 8
Municipality: Springville Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20013 PF Name: TEEL 9
Municipality: Springville Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20014 PF Name: BROOKS 1
Municipality: Springville Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20015 PF Name: ELY 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20016 PF Name: ELY 4
Municipality: Dimock Township Prog Alt Id: Permit Status: EXP
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20017 PF Name: HUBBARD 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20018 PF Name: KAHLE 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20019 PF Name: GESFORD 3
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20020 PF Name: HEITSMAN 1
Municipality: Dimock Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20021 PF Name: HEITSMAN 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20023 PF Name: TEEL 7
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20024 PF Name: TEEL 5
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20025 PF Name: RATZEL 1
Municipality: Dimock Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: 08/13/2008 PF Other Id: 115-20026 PF Name: BAKER 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20028 PF Name: BLACK 1
Municipality: Springville Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20029 PF Name: ELY 1
Municipality: Dimock Township Prog Alt Id: Permit Status: CANCL
PF Status: PBNM Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20030 PF Name: LEWIS 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20033 PF Name: GESFORD 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20034 PF Name: ELY 4H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20035 PF Name: LEWIS 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20036 PF Name: COSTELLO 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20039 PF Name: HUBBARD 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20040 PF Name: GESFORD 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20041 PF Name: ELY 6H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20043 PF Name: COSTELLO 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20045 PF Name: TEEL 8H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20046 PF Name: TEEL 9H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20047 PF Name: RATZEL 1H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20048 PF Name: BLACK 1H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20049 PF Name: ELY 1H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20050 PF Name: HEITSMAN 1H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20051 PF Name: BROOKS 1H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20054 PF Name: ELY 5H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20055 PF Name: TEEL 10H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20056 PF Name: BLACK 2H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20057 PF Name: ROZANSKI 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20075 PF Name: R SMITH 4
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20076 PF Name: R SMITH 3H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20077 PF Name: R SMITH 2H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20078 PF Name: R SMITH 1H
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20079 PF Name: SIPE 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20080 PF Name: B SEVERCOOL 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20081 PF Name: A LATHROP 1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20082 PF Name: C LARUE 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20083 PF Name: K LANDES 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20084 PF Name: A HEITSMAN A1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20085 PF Name: GREENWOOD 2H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20086 PF Name: FAIGLE K 1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20087 PF Name: W CHUDLEIGH 2
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20088 PF Name: W CHUDLEIGH 1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20089 PF Name: BROOKS W 2
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20090 PF Name: BROOKS W 1
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20091 PF Name: GESFORD 4R
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20092 PF Name: G SHIELDS 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20094 PF Name: H HENGLE 1H
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20095 PF Name: J GRIMSLEY 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20096 PF Name: ELY 7V
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville

County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20097
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: ELK LAKE SCHOOL DISTRICT 1H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20116
Municipality: Springville Township
PF Status: ACTIV Plug Cert Date:
PF Name: TEEL 13V
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20117
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: RATZEL 3V
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20118
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: G SHIELDS 2H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20119
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: A HUNSINGER 2H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20120
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: A HUNSINGER 1H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20121
Municipality: Springville Township
PF Status: ACTIV Plug Cert Date:
PF Name: R HULL 2H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20122
Municipality: Springville Township
PF Status: ACTIV Plug Cert Date:
PF Name: R HULL 1H
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20123
Municipality: Dimock Township
PF Status: ACTIV Plug Cert Date:
PF Name: HEITSMAN 3V
Prog Alt Id: Permit Status: ACT
Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rqnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 115-20130 PF Name: HUBBARD 4
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20131 PF Name: HUBBARD 3
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20132 PF Name: DEPAOLA 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20133 PF Name: BLACK 3V
Municipality: Springville Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20134 PF Name: D BERRY 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20135 PF Name: W AILEO 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20139 PF Name: C LARUE 1
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20140 PF Name: HEITSMAN 2
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Drill Comm Date: PF Other Id: 115-20142 PF Name: GREENWOOD 3V
Municipality: Dimock Township Prog Alt Id: Permit Status: ACT
PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Ics Organization: 4600 EP Nw Rgnl Off Meadville County: 58 Susquehanna

Drill Comm Date: PF Other Id: 707401 PF Name: RATZEL 2H

Municipality: Dimock Township Prog Alt Id: Permit Status: ACT

PF Status: ACTIV Plug Cert Date: Well Record Date: Well Type: GS

Total PFs for County: 80

Total PFs for ICS Org: 80

Ansell, Mark

From: Kucsma, Paul
Sent: Friday, January 23, 2009 7:04 AM
To: Welsh, Douglas; Ansell, Mark
Subject: FW: Emailing: Black 1H, Black 2H, Brooks 1H, Costello 1, Costello 2, Ely 1H, Ely 2, Ely 4, Ely 6H, Gesford 2, Gesford 3, Gesford 3S, Heitsman, A 1H, Hubbard 1, Lewis 1, Lewis 2, Teel 2, Teel 5, Teel 6, Teel 7, Baker 1

Black 1H.pdf (259 KB) Black 2H.pdf (190 KB) Brooks 1H.pdf (123 KB) Costello 1.pdf (119 KB) Costello 2.pdf (121 KB) Ely 1H.pdf (107 KB) Ely 2.pdf (124 KB)

Ely 4.pdf (225 KB) Ely 6H.pdf (141 KB) Gesford 2.pdf (123 KB) Gesford 3.pdf (211 KB) Gesford 3S.pdf (128 KB) Heitsman A 1H.pdf (122 KB) Hubbard 1.pdf (131 KB)

Lewis 1.pdf (124 KB) Lewis 2.pdf (123 KB) Teel 2.pdf (121 KB) Teel 5.pdf (123 KB) Teel 6.pdf (124 KB) Teel 7.pdf (133 KB) Baker 1.pdf (206 KB)

-----Original Message-----
From: Tom Liberatore [mailto:Tom.Liberatore@cabotog.com]
Sent: Thursday, January 22, 2009 5:04 PM
To: Lobins, Craig; Kucsma, Paul
Cc: Komoroski, Kenneth
Subject: FW: Emailing: Black 1H, Black 2H, Brooks 1H, Costello 1, Costello 2, Ely 1H, Ely 2, Ely 4, Ely 6H, Gesford 2, Gesford 3, Gesford 3S, Heitsman, A 1H, Hubbard 1, Lewis 1, Lewis 2, Teel 2, Teel 5, Teel 6, Teel 7, Baker 1

Craig,

Attached are well records for all wells drilled in Susquehanna. Note that not all wells are completed. I will send a map on topo base showing wells. I will also send schematic drawings of the key wells at issue.

-----Original Message-----
From: Terry Clark
Sent: Thursday, January 22, 2009 3:36 PM
To: Tom Liberatore
Subject: Emailing: Black 1H, Black 2H, Brooks 1H, Costello 1, Costello 2, Ely 1H, Ely 2, Ely 4, Ely 6H, Gesford 2, Gesford 3, Gesford 3S, Heitsman, A 1H, Hubbard 1, Lewis 1, Lewis 2, Teel 2, Teel 5, Teel 6, Teel 7, Baker 1

These are also saved in your liberatopre folder under another folder I named "PA Well Record and Completion Report" <<Black 1H.pdf>> <<Black 2H.pdf>> <<Brooks 1H.pdf>> <<Costello 1.pdf>> <<Costello 2.pdf>> <<Ely 1H.pdf>> <<Ely 2.pdf>> <<Ely 4.pdf>> <<Ely 6H.pdf>> <<Gesford 2.pdf>> <<Gesford 3.pdf>> <<Gesford 3S.pdf>> <<Heitsman, A 1H.pdf>> <<Hubbard 1.pdf>> <<Lewis 1.pdf>> <<Lewis 2.pdf>> <<Teel 2.pdf>> <<Teel 5.pdf>> <<Teel 6.pdf>> <<Teel 7.pdf>> <<Baker 1.pdf>>

- Evaluating if there is gas release from the annular space of interior casing string of Gesford #3S well;

- Investigating the seal integrity between the 4" and 7" casing in the Baker 1 well;

- Paying to have a water well professional evaluate the water supply systems for the Fiorentino and Sautner residences;

- Gathering well head and annular pressures from all wells and Cabot has invited DEP to participate in this information gathering; and

- Reviewing the pressures and logs on any well with annular pressure.

Next, Cabot will:

- Review the pressures and logs on any well with annular pressure and devise a plan to either blow down or pump fluid to kill any non-productive gas zones on a well by well basis;

- Submit well records to DEP; and

- Submit water testing data. To DEP

- Suggest that DEP put a public notice out that homeowners should vent make sure all water well systems are vented as standard safety practice.

In addition to the action items listed above, Cabot has retained SE Technologies to develop a groundwater evaluation program focusing on the possible sources and pathways of methane in the regional water supply. A professional geologist from SE Technologies visited the Dimock Township well locations earlier this week and met with residents to obtain firsthand information on water well depth, casing depth and other relevant information. Cabot has asked SE Technologies to prepare a proposal for immediate review of possible sources of methane/natural gas in the regional water supply.

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20048-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: BLACK	Well #: 1H	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hopbottom		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
06/14/08	09/11/08	1410 ft.	9684 ft.	9684 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	40	10 sks Portland				06/14/08
12.375"	9.675"	26	ST&C	1288	300 sks Class A w/ 4% Gel & 2%	Cent	As	Needed	06/16/08
					100 sks Cls A w/ 2% CaCl				
8.875"	7"	23	ST&C	1828	140 sks Cls A w/ 4% Gel & 2% CaCl	Cent	As	Needed	06/18/08
					100 sks Cls A w/ 2% CaCl				
6-25"	4.5"	11.6	LT&C	9663	Packers Plus Frac Packers				09/11/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection

Natural Open Flow	None Gauged	Natural Rock Pressure	Hours Days
After Treatment Open Flow		After Treatment Rock Pressure	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack Drilling
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 57 South 9th Street
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Indiana, PA
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20048**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone/Silt/Shale	0	4934			FW @ 605	Driller's Log
Genesee	4934	4984				E-Log
Tully Limestone	4984	5094				E-Log
Mahantango Shale	5094	7083				E-Log
Upper Marcellus	7083	7139				E-Log
Cherry River	7139	7161				E-Log
Shale	7161	7228				E-Log
Purcell	7228	7380				E-Log
Lower Marcellus	7380	9684				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/20/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

Job Number: DR080221
Company: CABOT OIL & GAS
Lease/Well: BLACK # 1H
Location: SUSQUEHANNA COUNTY
Rig Name: SW JACK # 19
RKB:
G.L. or M.S.L.:

State/Country: PA / USA
Declination: 12.30 DEGREES WEST
Grid:
File name: C:\WINSERVE\ACCESS\BLACK1H.SVY
Date/Time: 08-Sep-08 / 05:30
Curve Name: Working Curve

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 140.00
Vertical Section Referenced to offset from Wellhead: EW =.00 Ft, NS=.00 Ft
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
6414.00	10.73	8.25	6410.54	162.50	50.19	-92.22	170.07	17.16	.00
6446.00	6.40	13.40	6442.18	167.19	51.03	-95.27	174.80	16.97	13.73
6477.00	3.30	37.60	6473.06	169.57	51.98	-96.49	177.36	17.04	11.77
6509.00	1.90	118.10	6505.04	170.05	53.01	-96.20	178.12	17.31	11.02
6541.00	4.80	137.10	6536.98	168.82	54.39	-94.37	177.37	17.86	9.58
6572.00	7.20	142.00	6567.81	166.34	56.47	-91.13	175.66	18.75	7.91
6604.00	8.60	149.80	6599.51	162.69	58.90	-86.77	173.03	19.90	5.50
6635.00	10.30	149.10	6630.08	158.31	61.49	-81.75	169.84	21.23	5.50
6667.00	12.00	145.90	6661.48	153.10	64.83	-75.61	166.26	22.95	5.65
6699.00	13.90	146.60	6692.66	147.14	68.81	-68.48	162.43	25.06	5.96
6730.00	15.90	148.00	6722.62	140.43	73.11	-60.58	158.32	27.50	6.55
6762.00	17.50	146.60	6753.27	132.69	78.08	-51.46	153.96	30.47	5.16
6794.00	18.50	144.90	6783.70	124.52	83.65	-41.62	150.01	33.89	3.53
6826.00	19.90	144.10	6813.92	115.96	89.76	-31.13	146.64	37.74	4.45
6857.00	21.50	144.90	6842.92	107.03	96.12	-20.21	143.86	41.93	5.24
6889.00	23.00	146.30	6872.54	97.04	102.96	-8.15	141.48	46.70	4.97
6921.00	24.00	147.00	6901.88	86.38	109.98	4.52	139.84	51.85	3.24
6951.00	25.20	146.30	6929.16	75.95	116.84	16.93	139.36	56.98	4.12
6983.00	27.50	145.90	6957.83	64.16	124.77	31.05	140.30	62.79	7.21
7015.00	31.10	145.20	6985.73	51.25	133.63	46.63	143.12	69.02	11.30
7046.00	34.50	144.90	7011.79	37.49	143.25	63.36	148.07	75.33	10.98
7078.00	36.00	146.60	7037.92	22.22	153.64	81.73	155.24	81.77	5.60
7109.00	37.70	147.00	7062.73	6.66	163.82	100.19	163.95	87.67	5.54
7141.00	39.50	146.30	7087.73	-10.01	174.79	120.02	175.08	93.28	5.79
7173.00	41.80	145.90	7112.01	-27.31	186.42	140.75	188.41	98.33	7.23

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7204.00	44.60	146.30	7134.61	-44.92	198.25	161.85	203.28	102.77	9.08
7236.00	47.80	147.00	7156.75	-64.21	210.94	184.78	220.50	106.93	10.12
7268.00	51.70	146.60	7177.42	-84.65	224.32	209.03	239.76	110.67	12.22
7300.00	56.60	146.30	7196.16	-106.25	238.65	234.80	261.24	114.00	15.33
7331.00	60.00	145.90	7212.45	-128.14	253.36	261.02	283.92	116.83	11.02
7363.00	61.30	145.90	7228.13	-151.24	269.00	288.76	308.60	119.35	4.06
7395.00	63.10	145.60	7243.06	-174.64	284.93	316.93	334.19	121.50	5.69
7426.00	65.80	146.30	7256.42	-197.81	300.58	344.74	359.83	123.35	8.94
7448.00	68.80	145.20	7264.91	-214.58	312.01	364.93	378.67	124.52	14.40
7479.00	71.80	144.90	7275.36	-238.50	328.73	394.00	406.13	125.96	9.72
7511.00	72.10	145.20	7285.28	-263.44	346.15	424.31	435.00	127.27	1.29
7543.00	74.60	145.20	7294.45	-288.61	363.65	454.84	464.26	128.44	7.81
7573.00	76.90	144.50	7301.83	-312.38	380.39	483.81	492.22	129.39	7.99
7605.00	79.10	144.10	7308.48	-337.80	398.65	515.02	522.53	130.28	6.98
7636.00	81.30	144.90	7313.76	-362.67	416.39	545.47	552.19	131.06	7.54
7668.00	83.10	145.20	7318.10	-388.65	434.55	577.05	583.00	131.81	5.70
7699.00	85.30	144.90	7321.23	-413.93	452.22	607.77	613.06	132.47	7.16
7731.00	87.30	144.50	7323.30	-439.99	470.67	639.59	644.30	133.07	6.37
7763.00	88.90	144.50	7324.36	-466.03	489.24	671.48	675.68	133.61	5.00
7794.00	90.00	144.90	7324.66	-491.33	507.16	702.37	706.12	134.09	3.78
7826.00	90.40	144.90	7324.55	-517.51	525.56	734.25	737.58	134.56	1.25
7858.00	90.10	144.90	7324.41	-543.69	543.96	766.14	769.08	134.99	.94
7890.00	90.10	144.90	7324.35	-569.87	562.36	798.02	800.62	135.38	.00
7921.00	91.30	144.90	7323.97	-595.23	580.18	828.90	831.21	135.73	3.87
7953.00	90.10	144.50	7323.58	-621.34	598.67	860.79	862.83	136.06	3.95
7985.00	89.30	144.90	7323.75	-647.46	617.16	892.68	894.48	136.37	2.80
8017.00	89.90	144.90	7323.97	-673.64	635.56	924.57	926.13	136.67	1.87
8048.00	89.90	144.90	7324.03	-699.00	653.39	955.45	956.82	136.93	.00
8080.00	92.40	146.30	7323.38	-725.40	671.46	987.29	988.46	137.21	8.95
8112.00	92.70	146.30	7321.96	-751.99	689.20	1019.07	1020.04	137.49	.94
8143.00	90.10	145.20	7321.20	-777.61	706.64	1049.90	1050.72	137.74	9.11
8175.00	91.80	145.90	7320.67	-803.99	724.73	1081.74	1082.42	137.97	5.75
8207.00	92.00	145.90	7319.61	-830.47	742.67	1113.55	1114.11	138.19	.62
8239.00	90.80	144.50	7318.83	-856.74	760.92	1145.41	1145.86	138.39	5.76
8271.00	91.00	144.90	7318.33	-882.85	779.41	1177.30	1177.67	138.56	1.40
8302.00	91.00	144.90	7317.79	-908.21	797.23	1208.18	1208.48	138.72	.00
8334.00	90.70	144.90	7317.31	-934.39	815.63	1240.06	1240.30	138.88	.94
8366.00	90.80	145.20	7316.89	-960.62	833.96	1271.94	1272.11	139.04	.99
8397.00	90.90	145.20	7316.43	-986.07	851.65	1302.80	1302.94	139.18	.32
8429.00	90.30	145.60	7316.10	-1012.41	869.82	1334.66	1334.75	139.33	2.25
8461.00	90.30	146.30	7315.93	-1038.92	887.74	1366.49	1366.54	139.49	2.19
8492.00	90.30	146.60	7315.77	-1064.76	904.87	1397.29	1397.32	139.64	.97

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
8524.00	90.20	146.30	7315.63	-1091.42	922.56	1429.09	1429.10	139.79	.99
8556.00	89.30	145.20	7315.77	-1117.87	940.57	1460.93	1460.93	139.92	4.44
8588.00	89.80	145.20	7316.02	-1144.15	958.83	1492.79	1492.79	140.04	1.56
8620.00	90.40	144.50	7315.96	-1170.31	977.25	1524.68	1524.68	140.14	2.88
8651.00	91.30	143.80	7315.50	-1195.44	995.40	1555.59	1555.60	140.22	3.68
8683.00	91.60	143.40	7314.69	-1221.19	1014.39	1587.52	1587.54	140.29	1.56
8715.00	91.40	143.40	7313.86	-1246.87	1033.46	1619.45	1619.48	140.35	.62
8747.00	91.40	143.10	7313.07	-1272.50	1052.60	1651.39	1651.43	140.40	.94
8778.00	92.00	142.40	7312.15	-1297.17	1071.36	1682.34	1682.39	140.45	2.97
8810.00	92.30	142.40	7310.95	-1322.50	1090.87	1714.29	1714.35	140.48	.94
8842.00	92.20	142.40	7309.70	-1347.84	1110.38	1746.24	1746.31	140.52	.31
8873.00	92.30	142.40	7308.48	-1372.38	1129.28	1777.19	1777.27	140.55	.32
8905.00	92.70	142.40	7307.08	-1397.71	1148.78	1809.13	1809.22	140.58	1.25
8937.00	92.90	142.40	7305.52	-1423.03	1168.28	1841.06	1841.17	140.61	.62
8968.00	92.70	141.70	7304.01	-1447.44	1187.32	1872.00	1872.12	140.64	2.35
9000.00	92.60	141.70	7302.53	-1472.53	1207.14	1903.96	1904.08	140.66	.31
9032.00	92.30	141.30	7301.16	-1497.55	1227.04	1935.92	1936.05	140.67	1.56
9095.00	92.20	140.30	7298.69	-1546.33	1266.83	1998.86	1999.00	140.67	1.59
9127.00	92.20	140.60	7297.46	-1570.99	1287.19	2030.84	2030.98	140.67	.94
9159.00	92.20	140.60	7296.23	-1595.70	1307.48	2062.81	2062.95	140.67	.00
9190.00	92.20	140.30	7295.04	-1619.59	1327.21	2093.79	2093.93	140.67	.97
9222.00	92.20	140.30	7293.81	-1644.19	1347.63	2125.76	2125.90	140.66	.00
9253.00	92.50	139.90	7292.54	-1667.95	1367.50	2156.74	2156.88	140.65	1.61
9284.00	91.50	139.60	7291.46	-1691.60	1387.52	2187.72	2187.85	140.64	3.37
9316.00	91.80	139.90	7290.54	-1716.01	1408.19	2219.70	2219.84	140.63	1.33
9348.00	91.70	139.90	7289.56	-1740.47	1428.79	2251.69	2251.82	140.62	.31
9380.00	89.90	138.90	7289.11	-1764.77	1449.61	2283.68	2283.81	140.60	6.43
9411.00	89.90	138.90	7289.17	-1788.13	1469.99	2314.68	2314.79	140.58	.00
9443.00	89.70	138.90	7289.28	-1812.24	1491.02	2346.67	2346.78	140.55	.62
9475.00	89.80	138.50	7289.42	-1836.28	1512.14	2378.66	2378.76	140.53	1.29
9506.00	90.00	138.90	7289.47	-1859.57	1532.60	2409.65	2409.75	140.51	1.44
9538.00	90.00	138.50	7289.47	-1883.61	1553.72	2441.64	2441.73	140.48	1.25
9570.00	90.10	138.90	7289.44	-1907.65	1574.84	2473.64	2473.72	140.46	1.29
9602.00	90.40	138.90	7289.30	-1931.77	1595.88	2505.63	2505.70	140.44	.94
9634.00	90.60	138.90	7289.03	-1955.88	1616.92	2537.62	2537.69	140.42	.62
Projection to TD									
9684.00	90.60	138.90	7288.50	-1993.55	1649.78	2587.61	2587.67	140.39	.00

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20056-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: BLACK	Well #: 2H	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hopbottom		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD - Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
07/11/08	09/30/08	1410 ft.	8504 ft.	8504 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	32	30 sks Portland				07/11/08
12.25"	9.675"	26	ST&C	1277	465 sks Class A w/ 2% CaCl	Cent	As	Needed	07/13/08
8.75"	7"	23	ST&C	1823	140 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	07/15/08
					140 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	LT&C	8323	Packers Plus Frac Packers	Cent	As	Needed	09/29/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection

Natural Open Flow	None Gauged	Natural Rock Pressure	Hours Days
After Treatment Open Flow		After Treatment Rock Pressure	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack Drilling
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 57 South 9th Street
City - State – Zip: Fairmont Ciry, PA	City - State – Zip: Bradford, PA	City - State – Zip: Indiana, PA
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20056**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone/Silt/Shale	0	4934			FW @ 340	Driller's Log
Genesee	4934	4984				E-Log
Tully Limestone	4984	5094				E-Log
Mahantango Shale	5094	7070				E-Log
Upper Marcellus	7070	7139				E-Log
Cherry River	7139	7160				E-Log
Shale	7160	7255				E-Log
Purcell	7255	7361				E-Log
Lower Marcellus	7361	8504				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/20/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20051-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: BROOKS	Well #: 1H	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Springville Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
10/06/08	11/18/08	1120 ft.	9450 ft.	9450 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
24"	20"	54	ST&C	40					10/07/08
17.5"	13.375"	37	ST&C	160	170 sks Class A w/ 3	Cent	As	Needed	10/10/08
12.25"	9.675"	26	ST&C	1289	500 sks Cls A w/ 2% CaCl	Cent	As	Needed	10/17/08
8.75"	7"	23	ST&C	1562	75 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	10/18/08
					100 sks Class A w/ 2% caCl				
6.25"	4.5"	11.6	LT&C	9429'	Packers Plus Frac Packers				11/21/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow	None Gauged	Natural Rock Pressure	Not Gauged	Hours Days
After Treatment Open Flow	N/A	After Treatment Rock Pressure	N/A	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: GDS, Inc.	Name: SW Jack Drilling
Address: 660 Longview Road	Address: 466 Airport Industrial Park Road	Address: 57 South 9th Street
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Parkersburg, WV	City - State - Zip: Indiana, PA
Phone: 814-365-2003	Phone: 304-464-4666	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20051**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Glacial Till	0	140			FW @ 90	Driller's Log
Sand/Silt/Shale	140	4810				Driller's Log
Genesee	4810	4860				Driller's Log
Tully Limestone	4860	4976				Driller's Log
Manantango Shale	4976	6999				Driller's Log
Upper Marcellus	6999	7104				Driller's Log
Cherry River	7104	7123				Driller's Log
Shale	7123	7209				Driller's Log
Purcell	7209	7337				Driller's Log
Lower Marcellus	7337	9450				

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/22/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20036-00	Project Number	Acres
Address: 900 Lee Street East STE 500		Well Farm Name: Costello	Well #: 1	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
7/26/2008	10/14/08	1200 ft.	7047 ft.	7014 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17-1/2"	13-3/8"	37	ST&C	42'	25 sks Portland Cmt	cent	as	needed	7/26/08
12-1/4"	9-5/8"	26	ST&C	727'	300 sks Class A w/ 2% CaC	cent	as	needed	7/30/08
8-7/8"	7"	19	ST&C	1566'	155 sks Cls A w/4% Gel & 2% CaCl	cent	as	needed	8/1/08
					130 sksCls A w/ 2% CaCl				
6-1/4"	4-1/2"	20	ST&C	6990'	175 sks Cls "A" w/2% Gel 2% CaCl	cent	as	needed	8/11/08
	2-3/8"	4.7	LT&C	6828'					10/14/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
9/29/08	6800	6935
9/30/08	6630	6680

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
9/30/08	Marcellus Shale	Slick	Water	Sand	215000	5957
10/1/08	Upper Marcellus	Slick	Water	Sand	154200	5596

Natural Open Flow	TSTM	Natural Rock Pressure	Hours	Days
After Treatment Open Flow	To Wet To Guage	After Treatment Rock Pressure: Not Gauged	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy Road
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20036**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	1842			FW @ 650	E-Log
Catskill SandStone	1842	1855			SW @ 964	E-Log
Silt/Shale	1855	4628				E-Log
Tully Limestone	4628	4742				E-Log
Mahantango Shale	4742	5052				E-Log
Silt/Shale	5052	6631				E-Log
Upper Marcellus	6631	6681				E-Log
Cherry River	6681	6695				E-Log
Shale	6695	6741				E-Log
Purcell	6741	6795				E-Log
Lower Marcellus	6795	6938				E-Log
Onondaga	6938	7014				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20043-00	Project Number	Acres
Address: 900 Lee Street East STE 500		Well Farm Name: Costello	Well #: 2	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
8/19/08	10/28/06	1320 ft.	7150 ft.	7142 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
20"	16"	53.5	LS	44'	40 sks Portland Cmt	cent	as	needed	8/19/08
15"	11-3/4"	42	LS	846'	380 sks BJ Surflite	cent	as	needed	8/25/08
10-3/4"	8-5/8"	32	j-55/k-55	1554'	200 sks Cls A w/4% Gel & 2% CaCl	cent	as	needed	8/28/08
					100 sks BJ Surflite				
7-7/8"	5-1/2"	20	LT&C	7081	220 sks Cls "A" w/2% Gel 2% CaCl	cent	as	needed	10/20/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow	TSTM	Natural Rock Pressure	Hours Days
After Treatment Open Flow		After Treatment Rock Pressure	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy Road
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20043**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	2022			143,188,775	E-Log
Catskill SandStone	2022	2031				E-Log
Silt/Shale	2031	4770				E-Log
Tully Limestone	4770	4885				E-Log
Mahantango Shale	4885	5052				E-Log
Silt/Shale	5052	6739				E-Log
Upper Marcellus	6739	6788				E-Log
Cherry River	6788	6800				E-Log
Shale	6800	6849				E-Log
Purcell	6849	6898				E-Log
Lower Marcellus	6898	7039				E-Log
Onondaga	7039	7142				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

W. [illegible]

Title: Drilling Superintendent

Date: 1/21/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20049-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: ELY	Well #: 1H	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
10/23/08	11/12/08	1540 ft.	6017 ft.	6034 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	50	30 sks Portland Cmt	Cent	As	Needed	10/23/08
12.375"	9.675"	32.3	ST&C	1020	395 sks Cls A w/ 2% CaCl	Cent	As	Needed	11/5/08
8.875"	7"	23	ST&C	1556	137 sks Cls A w/ 4% Gel & 2% CaCl	Cent	As	Needed	11/6/08
					100 sks Cls A w/ 2% CaCl				

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow: 499	Natural Rock Pressure	Hours	Days
After Treatment Open Flow	After Treatment Rock Pressure	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State - Zip	Phone
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
GDS, Inc.	466 Airport Industrial Park Road	Parkersburg, WV	304-464-4666

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LOG OF FORMATIONS

Well API#: **37-115-20049**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone/Silt/Shale	0	2164	2930			E-Log
Catskill Sand	2164	2168	3749			E-Log
Shale	2168	3166	5133			E-Log
Bradford Silt/Shale	3166	3751	5670			E-Log
Shale	3751	4031	6017			E-Log
Elk Silt/Shale	4031	4493				E-Log
Shale	4493	4822				E-Log
Genesee	4822	4863				E-Log
Tully Limestone	4863	4975				E-Log
Mahantango Shale	4975	6034				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/21/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20015	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: ELY	Well #: 2	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
7/24/2008	10/31/2008	1335 ft.	7145 ft.	N/A ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	40	25 sks Portland	Cent	As	Needed	7/24/08
12.25"	9.675"	26	LT&C	948	385 sks Class A w/ 2% CaCl	Cent	As	Needed	7/25/08
8.75"	7"	23	LT&C	1578	165 sks Cls A w/4% Gel & 2% CaCl				7/31/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7306	200 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	8/7/08
	2.375"	4.7	8rd	6912					

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
10/13/08	6930	7035
10/15/08	6730	6770

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
10/15/08	Lower Marcellus	Slick	Water	Sand	22200	6054
10/16/08	Upper Marcellus	Slick	Water	Sand	132391	5150

Natural Open Flow	1500	Natural Rock Pressure	N/A	Hours	Days
After Treatment Open Flow	To Wet To Gage	After Treatment Rock Pressure	1700	40 Hours	1.67 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State - Zip	Phone
BJ Services	660 Longview Road	Fairmont Ciry, PA	814-365-2003
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
GDS, Inc.	466 Airport Industrial Park Road	Parkersburg, WV	304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20015**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	1979				E-Log
Catskill Sandstone	1979	1986				E-Log
Shale	1986	2562				E-Log
Sand	2562	2567				E-Log
Silt/Shale	2567	3066				E-Log
Bradford Sandstone	3066	3609				E-Log
Silt/Shale	3609	3802				E-Log
Elk Siltstone	3802	4333				E-Log
Silt/Shale	4333	4556				E-Log
Genesee	4556	4721				E-Log
Tully Limestone	4721	4840				E-Log
Mahantango Shale	4840	5154				E-Log
Silt/Shale	5154	6724	5607			E-Log
Upper Marcellus	6724	6773				E-Log
Cherry River	6773	6787				E-Log
Shale	6787	6834				E-Log
Purcell	6834	6890				E-Log
Lower Marcellus	6890	7033				E-Log
Onondaga	7033	7145				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20034	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: ELY	Well #: 4	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
3/30/08	4/14/08	1210 ft.	7244 ft.	7245 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	35	Sanded in.	Cent	As	Needed	4/14/08
12.25"	9.675"	26	LT&C	406	150 sks Class A w/ 2% CaCl	Cent	As	Needed	3/31/08
8.75"	7"	19	LT&C	1490	140 sks Cls A w/4% Gel & 2% CaCl				4/2/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7225	130 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	4/14/08
	2.375	4.7	EUE	6757					12/07/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
11/06/08	7115	7170
11/07/08	6985	7045
11/07/08	6790	6840

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
11/06/08	Marcellus	Slk	Water	Sand	218167	6513
11/08/08	Marcellus	Slk	Water	Sand	219711	6497
11/07/08	Upper Marcellus	Slk	Water	Sand	159636	5957

Natural Open Flow	TSTM	Natural Rock Pressure	N/A	Hours 8 Days
After Treatment Open Flow	Too wet to gauge	After Treatment Rock Pressure	Not gauged	192 Hours 8 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State - Zip	Phone
BJ Services	660 Longview Road	Fairmont Ciry, PA	814-365-2003
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
GDS, Inc.	466 Airport Industrial Park Road	Parkersburg, WV	304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20034**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand / Silt / Shale	0	1940			FW @ 50	E-Log/water from drill log
Catskill SS	1940	1947				E-Log
Shale	1947	2586				E-Log
Sand	2586	2597				E-Log
Silt / Shale	2597	3022				E-Log
Bradford SS	3022	3593			SW @ 3452	E-Log/water from drill log
Silt / Shale	3593	3881				E-Log
Elk Siltstone	3881	4333	4184			E-Log
Silt / Shale	4333	4652				E-Log
Genesee	4652	4714				E-Log
Tully LS	4714	4832				E-Log
Mahantango Shale	4832	5143				E-Log
Silt / Shale	5143	6715				E-Log
Upper Marcellus	6715	6841				E-Log
Cherry River	6841	6858				E-log
Shale	6858	6918				E-log
Purcell	6918	6983				E-log
Lower Marcellus	6983	7177				E-log
Onondaga	7177					

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/20/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

Job Number: DR080190
Company: CABOT OIL & GAS
Lease/Well: ELY # 6 H
Location: SUSQUEHANNA COUNTY
Rig Name: SW JACK RIG # 19
RKB:
G.L. or M.S.L.:

State/Country: PA / USA
Declination: 12.30 DEGREES WEST
Grid:
File name: C:\WINSERVE\ELY6H2.SVY
Date/Time: 10-Aug-08 / 05:56
Curve Name: WORKING CURVE

Directional Drilling Contractors, LLC
SURVEY REPORT

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 150.00
Vertical Section Referenced to offset from Wellhead: EW =.00 Ft, NS=.00 Ft
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
Gyro @ 5700' MD									
5700.00	.30	292.80	5697.43	137.92	-27.54	-133.21	140.64	348.71	.00
5782.00	1.00	356.50	5779.42	138.72	-27.78	-134.02	141.47	348.67	1.11
5787.00	.70	10.60	5784.42	138.79	-27.78	-134.09	141.54	348.68	7.27
5818.00	.90	1.80	5815.42	139.22	-27.74	-134.44	141.96	348.73	.76
5849.00	.90	323.40	5846.42	139.66	-27.87	-134.89	142.41	348.71	1.91
5880.00	.90	304.80	5877.41	139.99	-28.22	-135.35	142.81	348.60	.94
5912.00	.90	298.10	5909.41	140.26	-28.65	-135.79	143.15	348.46	.33
5943.00	3.90	156.40	5940.39	139.40	-28.44	-134.95	142.27	348.47	14.97
5974.00	7.00	156.80	5971.25	136.70	-27.27	-132.02	139.39	348.72	10.00
6005.00	8.40	155.80	6001.97	132.90	-25.60	-127.89	135.34	349.10	4.54
6036.00	8.60	157.50	6032.62	128.69	-23.79	-123.34	130.87	349.53	1.04
6067.00	9.20	155.80	6063.25	124.29	-21.88	-118.58	126.20	350.01	2.11
6098.00	10.20	152.20	6093.81	119.60	-19.59	-113.37	121.20	350.70	3.77
6129.00	11.10	150.80	6124.27	114.57	-16.85	-107.64	115.80	351.63	3.02
6160.00	11.90	151.50	6154.65	109.16	-13.87	-101.47	110.03	352.76	2.62
6192.00	13.50	153.60	6185.87	102.91	-10.63	-94.44	103.46	354.10	5.20
6223.00	15.10	155.80	6215.91	95.99	-7.37	-86.81	96.27	355.61	5.45
6254.00	16.50	156.40	6245.73	88.27	-3.95	-78.42	88.36	357.44	4.55
6285.00	17.00	156.10	6275.42	80.09	-.35	-69.54	80.09	359.75	1.64
6316.00	17.60	155.40	6305.02	71.69	3.43	-60.37	71.77	2.74	2.05
6350.00	18.90	153.30	6337.31	62.09	8.05	-49.75	62.61	7.38	4.28
6379.00	20.50	151.90	6364.61	53.42	12.55	-39.98	54.87	13.22	5.75
6410.00	22.40	149.10	6393.46	43.56	18.14	-28.65	47.18	22.61	6.96
6442.00	24.50	147.30	6422.82	32.74	24.86	-15.93	41.11	37.21	6.93

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
6473.00	26.70	146.30	6450.77	21.54	32.20	-2.55	38.73	56.22	7.23
6504.00	28.30	147.00	6478.27	9.58	40.06	11.73	41.19	76.55	5.27
6535.00	29.20	148.40	6505.45	-3.02	48.03	26.63	48.12	93.60	3.63
6566.00	30.30	149.40	6532.36	-16.20	55.97	42.01	58.27	106.14	3.89
6597.00	29.50	149.80	6559.23	-29.52	63.79	57.46	70.29	114.84	2.66
6628.00	29.50	146.30	6586.22	-42.47	71.87	72.71	83.48	120.58	5.56
6660.00	31.10	145.60	6613.84	-55.85	80.91	88.82	98.31	124.62	5.12
6691.00	33.20	146.30	6640.09	-69.52	90.14	105.27	113.83	127.64	6.88
6722.00	35.50	147.00	6665.68	-84.13	99.75	122.73	130.49	130.14	7.53
6753.00	37.90	147.00	6690.53	-99.66	109.84	141.23	148.32	132.22	7.74
6784.00	40.20	146.60	6714.61	-116.00	120.54	160.73	167.29	133.90	7.46
6815.00	42.00	147.00	6737.97	-133.06	131.69	181.08	187.21	135.29	5.87
6846.00	41.20	146.30	6761.15	-150.25	143.01	201.62	207.43	136.41	2.98
6877.00	40.30	145.90	6784.63	-167.04	154.29	221.81	227.40	137.27	3.02
6909.00	41.70	145.90	6808.78	-184.43	166.06	242.75	248.17	138.00	4.37
6940.00	43.50	145.90	6831.60	-201.80	177.83	263.68	268.97	138.61	5.81
6971.00	45.50	145.60	6853.71	-219.76	190.06	285.35	290.54	139.15	6.49
7002.00	47.90	146.60	6874.97	-238.49	202.63	307.85	312.95	139.65	8.09
7033.00	51.40	148.00	6895.04	-258.37	215.39	331.45	336.37	140.18	11.80
7064.00	55.30	149.10	6913.54	-279.58	228.36	356.31	360.99	140.76	12.90
7095.00	57.50	150.10	6930.69	-301.85	241.42	382.12	386.52	141.35	7.59
7127.00	58.70	151.20	6947.60	-325.53	254.73	409.29	413.35	141.96	4.75
7158.00	58.70	150.50	6963.71	-348.67	267.64	435.77	439.54	142.49	1.93
7189.00	58.30	150.80	6979.91	-371.71	280.59	462.20	465.72	142.95	1.53
7221.00	60.60	150.10	6996.17	-395.68	294.18	489.76	493.06	143.37	7.43
7252.00	63.90	150.10	7010.60	-419.46	307.86	517.19	520.31	143.72	10.65
7284.00	67.20	150.50	7023.85	-444.76	322.29	546.31	549.25	144.07	10.38
7315.00	68.80	151.50	7035.46	-469.90	336.22	575.05	577.79	144.42	5.97
7346.00	71.10	151.90	7046.09	-495.54	350.02	604.16	606.69	144.76	7.52
7378.00	74.70	152.20	7055.49	-522.55	364.36	634.72	637.03	145.11	11.29
7409.00	78.30	151.90	7062.73	-549.17	378.48	664.84	666.96	145.43	11.65
7440.00	81.80	151.90	7068.09	-576.10	392.86	695.35	697.30	145.71	11.29
7472.00	86.40	151.90	7071.37	-604.17	407.85	727.15	728.95	145.98	14.37
7503.00	90.30	151.50	7072.27	-631.45	422.54	758.12	759.78	146.21	12.65
7534.00	91.50	150.80	7071.78	-658.60	437.49	789.11	790.67	146.40	4.48
7565.00	92.80	151.20	7070.62	-685.69	452.51	820.08	821.55	146.58	4.39
7597.00	93.70	152.20	7068.80	-713.82	467.66	852.02	853.37	146.77	4.20
7628.00	91.20	152.90	7067.48	-741.30	481.93	882.96	884.19	146.97	8.37
7659.00	89.60	151.90	7067.26	-768.78	496.30	913.93	915.05	147.16	6.09
7691.00	89.20	152.20	7067.60	-797.04	511.29	945.90	946.94	147.32	1.56
7722.00	88.70	152.20	7068.16	-824.46	525.75	976.88	977.83	147.47	1.61

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7753.00	89.30	151.20	7068.71	-851.75	540.44	1007.86	1008.74	147.60	3.76
7784.00	90.30	150.50	7068.81	-878.82	555.54	1038.85	1039.69	147.70	3.94
7815.00	92.00	150.10	7068.19	-905.74	570.90	1069.85	1070.65	147.78	5.63
7847.00	91.90	150.50	7067.10	-933.52	586.74	1101.83	1102.60	147.85	1.29
7878.00	90.40	151.50	7066.48	-960.63	601.77	1132.81	1133.55	147.94	5.81
7910.00	90.00	151.20	7066.37	-988.71	617.11	1164.80	1165.49	148.03	1.56
7942.00	90.20	151.20	7066.31	-1016.75	632.53	1196.80	1197.45	148.11	.62
7973.00	89.80	151.50	7066.31	-1043.96	647.39	1227.79	1228.40	148.20	1.61
8005.00	89.40	151.50	7066.54	-1072.08	662.66	1259.78	1260.35	148.28	1.25
8036.00	90.30	151.20	7066.62	-1099.28	677.52	1290.77	1291.30	148.35	3.06
8067.00	90.10	151.50	7066.51	-1126.49	692.39	1321.76	1322.26	148.42	1.16
8099.00	90.00	151.20	7066.48	-1154.57	707.73	1353.75	1354.22	148.49	.99
8130.00	89.80	151.90	7066.54	-1181.83	722.50	1384.74	1385.18	148.56	2.35
8161.00	90.50	152.20	7066.45	-1209.21	737.03	1415.72	1416.12	148.64	2.46
8193.00	90.40	151.90	7066.20	-1237.48	752.02	1447.70	1448.06	148.71	.99
8223.00	91.10	151.90	7065.81	-1263.94	766.15	1477.68	1478.01	148.78	2.33
8255.00	90.70	152.20	7065.31	-1292.20	781.15	1509.65	1509.96	148.85	1.56
8286.00	91.40	151.90	7064.74	-1319.58	795.68	1540.63	1540.91	148.91	2.46
8318.00	90.70	151.50	7064.15	-1347.75	810.84	1572.61	1572.86	148.97	2.52
8349.00	91.10	151.20	7063.67	-1374.95	825.71	1603.60	1603.83	149.01	1.61

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20041-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: ELY	Well #: 6H	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
04/17/08	08/11/08	1210 ft.	8925 ft.	ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	53	6 sks Portland & cuttings				04/17/08
12.375"	9.675"	26	ST&C	453	175 sks Class A w/ 4% Gel & 2%	Cent	As	Needed	04/19/08
					100 sks Cls A w/ 2% CaCl				
8.875"	7"	19	ST&C	3525	220 sks Cls A w/ 4% Gel & 2% CaCl	Cent	As	Needed	04/29/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	LT&C	8864	Packers Plus Frac Packers				08/13/08

COMPLETION REPORT

Perforation Record / Stimulation Record

Perforation Date	Interval Perforated From	To	Stimulation Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
	8846		10/01/08	Marcellus	Slick	Water	Sand	298594	7303
	8269		10/03/08	Marcellus	Slick	Water	Sand	308406	6780
	7884		10/03/08	Marcellus	Slick	Water	Sand	312312	6659
	7494		11/04/08	Marcellus	Slick	Water	Sand	301491	7005
	7063		11/04/08	Marcellus	Slick	Water	Sand	304556	6890
	6808		11/04/08	Marcellus	Slick	Water	Sand	134341	6334

Natural Open Flow	None Gauged	Natural Rock Pressure	Not Gauged	Hours	Days
After Treatment Open Flow	To Wet To Gauge	After Treatment Rock Pressure	Not Gauged	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: GDS, Inc.	Name: SW Jack Drilling
Address: 660 Longview Road	Address: 466 Airport Industrial Park Road	Address: 57 South 9th Street
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Parkersburg, WV	City - State - Zip: Indiana, PA
Phone: 814-365-2003	Phone: 304-464-4666	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20041**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone/Silt/Shale	0	4670			FW @ 605	Driller's Log
Genesee	4670	4720				Driller's Log
Tully Limestone	4720	4830				Driller's Log
Mahantango Shale	4830	6836				Driller's Log
Upper Marcellus	6836	6901				Driller's Log
Cherry River	6901	6921				Driller's Log
Shale	6921	7014				Driller's Log
Purcell	7014	7123				Driller's Log
Lower Marcellus	7123	8755				Driller's Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/21/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Perm. / Reg): 37-115-20033-00	Project Number	Acres
Address: 900 Lee Street East STE 500		Well Farm Name: Gesford	Well #: 2	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
9/20/08	10/14/08	1445 ft.	7183 ft.	7183 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17-1/2"	13-3/8"	37	ST&C	46'	40 sks Portland Cmt	cent	as	needed	9/20/08
12-1/4"	9-5/8"	26	ST&C	1036'	350 sks Class A w/ 2% CaCl	cent	as	needed	9/23/08
8-7/8"	7"	23	ST&C	1575'	116 sks Cls A w/4% Gel & 2% CaCl	cent	as	needed	9/25/08
					110 sksCls A w/ 2% CaCl				
6-1/4"	4-1/2"	11.6	ST&C	7143'	150 sks Cls "A" w/2% Gel 2% CaCl	cent	as	needed	10/7/08
	2-3/8"	4.7	LT&C	6828'					10/14/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
11/14/08	7920	7070
12/10/08	6750	6850

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
11/18/08	Marcellus Shale	Slick	Water	Sand	158700	N/A
12/10/08	Upper Marcellus	Slick	Water	Sand	172598	6150

Natural Open Flow	179	Natural Rock Pressure		Hours	Days
After Treatment Open Flow	To Wet To Guage	After Treatment Rock Pressure	Not Gauged	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy Road
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20033**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	2029	2005		FW @ 81	E-Log
Catskill SandStone	2029	2036	2396		FW @ 480	E-Log
Silt/Shale	2036	4730	3010		SW @ 2340	E-Log
Tully Limestone	4730	4840	5083		SW @ 3477	E-Log
Mahantango Shale	4840	5149	6505			E-Log
Silt/Shale	5149	6741				E-Log
Upper Marcellus	6741	6803				E-Log
Cherry River	6803	6813				E-Log
Shale	6813	6852				E-Log
Purcell	6852	6918				E-Log
Lower Marcellus	6918	7074				E-Log
Onondaga	7074	7183				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20019-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: GESFORD	Well #: 3	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
09/25/08	10/08/08	1282 ft.	888 ft.	N/A ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	190	132 sks Class A				10/04/08
12.25"									

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
N/A		

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow	N/A	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	N/A	After Treatment Rock Pressure	N/A	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: GDS, Inc.	Name: Schlumberger	Name:
Address: 466 Airport Industrial Park Road	Address: 95 Rutherfrod Run	Address:
City - State - Zip: Parkersburg, WV	City - State - Zip: Bradford, PA	City - State - Zip:
Phone: 304-464-4666	Phone: 814-362-7441	Phone:

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20019**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Glacial Till	0	240				Driller's Log
Shale	240	888			FW @ 350	Driller's Log
Well plugged due to drill string being hung in the hole.See Certificate of Well Plugging.						

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/16/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0006 Rev. 4/2004

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & GAS MANAGEMENT PROGRAM

Certificate of Well Plugging

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20019-00	Project Number:	Type of Well: Gas
Address: 900 Lee Street, East - Suite 500		Well Farm Name: Gesford	Well #: 3	Serial #:
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock	
Phone: 304-347-1600	Fax: 304-347-1618	**Complete the next section (coal) if applicable.**		

Coal ☐ Operator ☐ Owner ☐ Lessee N/A	Coal ☐ Operator ☐ Owner ☐ Lessee	Coal ☐ Operator ☐ Owner ☐ Lessee
Address	Address	Address
City, State, Zip	City, State, Zip	City, State, Zip

The undersigned representatives of the Well Operator certify that we participated in plugging this well, and that the work was started on *(date)* 10/07/08, and that the well was plugged as follows.

Filling Material and Plugs	Depth From	Depth To	Casing and Tubing Size	Casing and Tubing Pulled	Casing and Tubing Left
Water	888	360	13-3/8"	0	190'
Class A cement	360	180	3-1/2"DP	440	448
Class A cement	180	Surface			
Dept. approved Attainable Bottom					
		TD ___'			

Depth to coal seams, if any

Describe Monument

Signature of Participants

Signature – Well Operator	Signature – Qualified Participant	Signature – Qualified Participant
Print or Type Signer's Name and Title W. Lee Hornsby, Drilling Superintendent	Print or Type Signer's Name, Title, & Co. Greg Lawson, Drilling Consultant, Richards Energy Co.	Print or Type Signer's Name, Title, & Co.

Signers certify that the work of plugging this well was completed on *(date)* 10/08/08, and that the information above is true and accurate.

DEP USE ONLY

☐ Approved ☐ Denied

DEP Rep: Date

Upon completion of plugging, mail one copy of this certificate to each coal operator, owner, or lessee, if any, and one copy to the appropriate DEP Regional Oil and Gas Management Program office.

Dept. of Environmental Protection
NW Regional Office – Oil & Gas
230 Chestnut Street
Meadville, PA 16335-3481

Dept. of Environmental Protection
SW Regional Office – Oil & Gas
400 Waterfront Drive
Pittsburgh, PA 15222-4745

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20019-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: GESFORD	Well #: 3S	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
10/13/08		1282 ft.	6968 ft.	N/A ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
22"	20"	37	ST&C	33	269 sks Class A w/ 2% CaCl	cent	as	needed	10/28/08
17-1/2"	13-3/8"	37	ST&C	280	505 sks Class A w/ 2% CaCl	cent	as	needed	11/2/08
12-1/4"	9-5/8"	26	ST&C	892	300 sks Class A w/ 2% CaCl	cent	as	needed	11/10/08
8-3/4"	7"	23	ST&C	1673	700 sks Cls A w/ 4% Gel & 2% CaCl	cent	as	needed	11/13/08
					250 sks Class A 2% CaCl				
6-1/4"	4-1/2"	11.6	LT&C		180 sks Cls A w/ 2% Gel & 2% CaCl	cent	as	needed	12/16/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
N/A		

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection

Natural Open Flow	N/A	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	N/A	After Treatment Rock Pressure	N/A	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: GDS, Inc.	Name: Schlumberger	Name:
Address: 466 Airport Industrial Park Road	Address: 95 Rutherford Run	Address:
City - State - Zip: Parkersburg, WV	City - State - Zip: Bradford, PA	City - State - Zip:
Phone: 304-464-4666	Phone: 814-362-7441	Phone:

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20019**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Glacial Till	0	260				Driller's Log
Sand/Silt Shale	260	1911	1459			E-Log
Catskill Sandstone	1911	1919	1503			E-Log
Silt/Shale	1919	4605				E-Log
Tully Limestone	4605	4773				E-Log
Mahantango Shale	4773	5024				E-Log
Silt/Sahle	5024	6636				E-Log
Upper Marcellus	6636	6700				E-Log
Cherry Rive	6700	6709				E-Log
Shale	6709	6758				E-Log
Purcell	6758	6809				E-Log
Lower Marcellus	6809	6962				E-Log & Driller's Log
Onondaga	6962	6968				Driller's Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/21/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20050-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: HEITSMAN, A.	Well #: 1H	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
10/16/08	01/03/09	1470 ft.	8523 ft.	ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	52	25 sks Portland				10/16/08
12.375"	9.675"	26	ST&C	1033	400 sks Class A w/ 4% Gel & 2%	Cent	As	Needed	10/23/08
					100 sks Cls A w/ 2% CaCl				
8.875"	7"	23	ST&C	1558	240 sks Cls A w/ 4% Gel & 2% CaCl	Cent	As	Needed	10/30/08
					100 sks Cls A w/ 2% CaCl				
6-25"	4.5"	11.6	LT&C	8280	Packers Plus Frac Packers				01/02/09

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow	None Gauged	Natural Rock Pressure	Hours	Days
After Treatment Open Flow		After Treatment Rock Pressure	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: GDS, Inc.	Name: Schlumberger	Name: SW Jack Drilling
Address: 466 Airport Industrial Park Road	Address: 95 Rutherfrod Run	Address: 57 South 9th Street
City - State - Zip: Parkersburg, WV	City - State - Zip: Bradford, PA	City - State - Zip: Indiana, PA
Phone: 304-464-4666	Phone: 814-362-7441	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20050**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine: ft.)	Source of Data
Sand / Silt / Shale	0	3196			FW @ 297	Driller's Log
Bradford SS	3196	3752			FW @ 632	Driller's Log
Silt / Shale	3752	4033				Driller's Log
Elk Siltstone	4033	4523				Driller's Log
Silt / Shale	4523	4860				Driller's Log
Genesee	4860	4889				Driller's Log
Tully LS	4889	5009				Driller's Log
Mahantango Shale	5009	6932				Driller's Log
Upper Marcellus	6932	7012				Driller's Log
Cherry River	7012	7041				Driller's Log
Shale	7041	7148				Driller's Log
Purcell	7148	7365				Driller's Log
Lower Marcellus	7365	8523				Driller's Log
Onondaga						

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/21/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20039	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: HUBBARD	Well #: 1	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
10/11/08	10/29/08	1350 ft.	7012 ft.	7007 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	ST&C	40	10 sks Portland				10/11/08
12.25"	9.675"	26	ST&C	936	300 sks Class A w/ 2% CaCl	Cent	As	Needed	10/14/08
8.75"	7"	23	ST&C	1643	125 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	10/16/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	LT&C	6964	150 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	10/29/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
12/15/08	6780	6900
12/16/08	6580	6680

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
12/16/08	Lower Marcellus	Slick	Water	Sand	213200	6313
12/16/08	Upper Marcellus	Slick	water	Sand	149029	5447

Natural Open Flow	TSTM	Natural Rock Pressure	Not Gauged	Hours	Days
After Treatment Open Flow	To Wet To Gauge	After Treatment Rock Pressure	3100	166 Hours	6.92 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack Drilling
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 57 South 9th Street
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Indiana, PA
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 724-463-5126

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20039**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone/Silt/Shale	0	1637			FW 105	E-Log/water from drill log
Catskill Sandstone	1637	1656			FW 174	E-Log
Shale	1656	2038				E-Log/water from drill log
Sandstone	2038	2044				E-Log
Silt/Shale	2044	2853				E-Log
Bradford Sandstone	2853	3432				E-Log
Silt/Shale	3432	3704				E-Log
Elk Siltstone	3704	4154				E-Log
Silt/Shale	4154	4525				E-Log
Genesee	4525	4558				E-Log
Tully Limestone	4558	4670				E-Log
Manhantango Shale	4670	4980				E-Log
Silt/Shale	4980	6564				E-Log
Upper Marcellus	6564	6640				E-Log
Cherry River	6640	6655				E-Log
Shale	6655	6702				E-Log
Purcell	6702	6757				E-Log
Lower Marcellus	6757	6905				E-Log
Onondaga	6905	7007				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/12/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20035-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Lewis	Well #: 1	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
6/16/08	9/10/08	1395 ft.	7314 ft.	7307 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	40'	20 sks Ready Mix	Cent	As	Needed	6/16/08
12.25"	9.675"	26	LT&C	981'	400 sks Class A w/ 2% CaCl	Cent	As	Needed	6/19/08
8.75"	7"	19	LT&C	1794'	140 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	6/21/08
					140 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7280	170 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	7/14/08
	2.375	4.7	J-55	7095					9/10/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
8/20/08	7060	7200
8/21/08	6880	6940

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
8/21/08	Lower Marcellus	Slick	Water	Sand	211604	6400
8/22/08	Upper Marcellus	Slick	Water	Sand	92500	5715

Natural Open Flow	TSTM	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	Too wet to gauge	After Treatment Rock Pressure	Not gauged	Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 420 Little Sandy Road
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 304-472-9403

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20035**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand / Silt / Shale	0	2129			FW @ 490	E-Log/water from drill log
Catskill SS	2129	2133			FW @ 800	E-Log/water from drill log
Shale	2133	3187			SW @ 1410	E-Log/water from drill log
Bradford Silt/Shale	3187	3748				E-Log
Shale	3748	4040				E-Log
Elk Silt/Shale	4040	4513				E-Log
Shale	4513	4838				E-Log
Genesee	4838	4878				E-Log
Tully Limestone	4878	4989				E-Log
Mahantango Shale	4989	6886				E-Log
Upper Marcellus	6886	6942				E-Log
Cherry River	6942	6956				E-Log
Shale	6956	7004				E-Log
Purcell	7004	7056				E-Log
Lower Marcellus	7056	7204				E-log
Onondage	7204	7307				E-log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/20/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20030-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Lewis	Well #: 2	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
5/28/08	9/6/08	1215 ft.	7192 ft.	7189 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount In Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
22"	20"	72	LSC	30'	Sanded in.				5/28/08
17-1/2"	13-3/8"	37	LSC	54'	40 sks of Ready Mix	Cent	As	Needed	5/28/08
12-1/4"	9-5/8"	26	LSC	850'	140 sks Class A w/ 2% CaCl	Cent	As	Needed	5/31/08
8-3/4"	7"	19	LSC	1521'	240 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	6/2/08
6-1/4"	4-1/2"	11.6	LT&C	7139	185 Class A w/4% Gel & 2% CaCl	Cent	As	Needed	6/14/08
	2-3/8"	4.7	J-55	6943'					

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
6/13/08	6950	7075
8/18/08	6730	6770

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
8/18/08	Lower Marcellus	Silck	Water	Sand	210000	6690
8/19/08	Upper Marcellus	Slick	Water	Sand	97000	5805

Natural Open Flow	TSTM	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	Too wet to gauge	After Treatment Rock Pressure	2000	256 Hours 10.6 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State - Zip	Phone
BJ Services	660 Longview Road	Fairmont Ciry, PA	814-365-2003
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
SW Jack	420 Little Sandy Road	Elkview, WV	304-472-9403

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20030**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand / Silt / Shale	0	1952			FW @ 60	E-Log/water from drill log
Catskill SS	1952	1957			FW @ 330	E-Log/water from drill log
Silt/Shale	1957	4721				E-Log
Tully LimeStone	4721	4832				E-Log
Mahantango Shale	4832	5139				E-Log
Silt/Shale	5139	6726				E-Log
Upper Marcellus	6726	6774				E-Log
Cherry River	6774	6790				E-Log
Shale	6790	6838				E-Log
Purcell	6838	6919				E-Log
Lower Marcellus	6919	7077				E-Log
Onondaga	7077	7189				

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

W. T. [illegible]

Title: Drilling Superintendent

Date: 01/20/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20010-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Teel	Well #: 2	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Springville
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☒ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
2/25/2008	5/22/2008	1315 ft.	7277 ft.	7284 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount In Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
22"	20"	37	ST&C	32'	Sanded In	Cent	As	Needed	2/25/08
17-1/2"	13-3/8"	48	ST&C	485'	400 sks Class A w/ 2% CaCl	Cent	As	Needed	3/5/08
12-1/4"	9-5/8"	32	ST&C	1460'	325 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	3/8/08
					100 sks Cls A w/ 2% CaCl				
8-3/4"	4.5"	11.6	LT&C	7245'	350 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	6/9/08
	2.375"	4.7	EUE	6943'					

COMPLETION REPORT

Perforation Record / Stimulation Record

Date	*Interval Perforated* From	To	Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
4/28/08	7110	7027	4/30/08	Marcellus Shale	Slick	Water	Sand	176400	6405
4/30/08	6812	6852	4/30/08	Upper Marcellus	Slick	Water	Sand	107700	5799

Natural Open Flow	TSTM	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	To Wet To Gage	After Treatment Rock Pressure	2000	592 Hours 26.67 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: GDS, Inc.
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 466 Airport Industrial Park Road
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Parkersburg, WV
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20010**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	2081			FW@ 370	E-Log
Catskill Sandstone	2081	2117			SW@ 630	E-Log
Shale	2117	3184				E-Log
Bradford Silt/Shale	3184	3742				E-Log
Shale	3742	4008				E-Log
Elk Silt/Shale	4008	4465				E-Log
Shale	4465	4804				E-Log
Genesee	4804	4847				E-Log
Tully Limestone	4847	4961				E-Log
Mahantango Shale	4961	6800				E-Log
Upper Marcellus	6800	6842				E-Log
Cherry River	6842	6857				E-Log
Shale	6857	6903				E-Log
Purcell	6903	6954				E-Log
Lower Marcellus	6954	7092				E-Log
Onondaga	7092	7284				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20024-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Teel	Well #: 5	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Springville	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
5/19/2008	7/21/2008	1070 ft.	7200 ft.	7164 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount In Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	38	40 sks Ready Mix	Cent	As	Needed	5/22/08
12.25"	9.675"	26	LT&C	807	300 sks Class A w/ 2% CaCl	Cent	As	Needed	5/28/08
8.75"	7"	23	LT&C	1518	135 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	5/30/08
					115 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7115	200 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	6/9/08
	2.375"	4.7	8rd	6986					

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
7/2/08	6950	7015
8/8/08	6845	6865

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
715/08	Lower Marcellus	Slick	Water	Sand	125000	6070
8/9/08	Middle Marcellus	Slick	Water	Sand	6630	5920

Natural Open Flow	TSTM	Natural Rock Pressure	N/A	Hours	Days
After Treatment Open Flow	To Wet To Gage	After Treatment Rock Pressure	Not Gauged	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State - Zip	Phone
BJ Services	660 Longview Road	Fairmont Ciry, PA	814-365-2003
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
GDS, Inc.	466 Airport Industrial Park Road	Parkersburg, WV	304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20024**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	1886			80, 740	E-Log
Catskill Sandstone	1886	1896				E-Log
Shale	1896	2927				E-Log
Bradford Silt/Shale	2927	3507				E-Log
Shale	3507	3783				E-Log
Elk Silt/Shale	3783	4256				E-Log
Shale	4256	4580				E-Log
Genesee	4580	4624				E-Log
Tully Limestone	4624	4734				E-Log
Mahantango Shale	4734	6673				E-Log
Upper Marcellus	6673	6725				E-Log
Cherry River	6725	6742				E-Log
Shale	6742	6794				E-Log
Purcell	6794	6855				E-Log
Lower Marcellus	6855	7017				E-Log
Onondaga	7017	7200				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

W. [illegible]

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20011-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Teel	Well #: 6	Serial #
City: Charleston	State: WV / Zip Code: 25301	County: Susquehanna	Municipality: Springville	
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☐ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
12/2/08	12/21/08	1250 ft.	7484 ft.	N/A ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount In Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17-1/2"	13-3/8"	37	ST&C	45'	35 sks Portland Cmt	Cent	As	Needed	12/3/08
12-1/4"	9-5/8"	32	ST&C	890	320 sks Class A w/ 2% CaCl	Cent	As	Needed	12/6/08
8-3/4"	7"	19	ST&C	1460'	135 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	12/9/08
					110 sks Cls A w/ 2% CaCl				
6-1/4"	4.5"	11.6	LT&C	7428	140 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	12/20/08

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection

Natural Open Flow	84	Natural Rock Pressure	N/A	Hours	Days
After Treatment Open Flow	N/A	After Treatment Rock Pressure	N/A	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: GDS, Inc.
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 466 Airport Industrial Park Road
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Parkersburg, WV
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20011**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand/Silt/Shale	0	4731	7484		FW @ 230	E-Log
Genesee	4731	4781				E-Log
Tully Limestone	4781	4889				E-Log
Mahntango Shale	4889	6974				E-Log
Upper Marcellus	6974	7040				E-Log
Cherry River	7040	7051				E-Log
Shale	7051	7118				E-Log
Purcell	7118	7188				E-Log
Lower Marcellus	7188	7372				E-Log
Onondaga	7372	7484				Drillers Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20023-00	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: Teel	Well #: 7	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Springville
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Hop Bottom		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
5/8/2008	10/24/2008	1050 ft.	7148 ft.	7156 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	54	Sanded In				
12.25"	9.675"	26	LT&C	358	140 sks Class A w/ 2% CaCl	Cent	As	Needed	5/10/08
8.75"	7"	23	LT&C	1496	140 sks Cls A w/4% Gel & 2% CaCl	Cent	As	Needed	5/14/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7118	175 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	6/1/08
	2.375"	4.7	8rd	6986					

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
8/7/08	6980	7050
8/8/08	6845	6865
10/3/08	6735	6780

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
8/8/08	Marcellus Shale	Slick	Water	Sand	15900	5920
8/9/08	Middle Marcellus	Slick	Water	Sand	6630	5920
10/5/08	Upper Marcellus	Slick	Water	Sand	100098	5488

Natural Open Flow	53	Natural Rock Pressure	N/A	Hours Days
After Treatment Open Flow	To Wet To Gage	After Treatment Rock Pressure	900	16 Hours .67 Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: GDS, Inc.
Address: 660 Longview Road	Address: 95 Rutherfrod Run	Address: 466 Airport Industrial Park Road
City - State - Zip: Fairmont Ciry, PA	City - State - Zip: Bradford, PA	City - State - Zip: Parkersburg, WV
Phone: 814-365-2003	Phone: 814-362-7441	Phone: 304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20023**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine: ft.)	Source of Data
Sand/Silt/Shale	0	1914			400, 710	E-Log
Catskill Sandstone	1914	1925				E-Log
Shale	1925	2306				E-Log
Sand	2306	2310				E-Log
Silt/Shale	2310	2994	2575			E-Log
Bradford Sandstone	2994	3533	3008			E-Log
Silt/Shale	3533	3814				E-Log
Elk Siltstone	3814	4273				E-Log
Silt/Shale	4273	4608				E-Log
Genesee	4608	4653				E-Log
Tully Limestone	4653	4768				E-Log
Mahantango Shale	4768	5067				E-Log
Silt/Shale	5067	6611	5500			E-Log
Upper Marcellus	6611	6722				E-Log
Cherry River	6722	6734				E-Log
Shale	6734	6784				E-Log
Purcell	6784	6892				E-Log
Lower Marcellus	6892	7049				E-Log
Onondaga	7049	7156				E-Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 1/20/2009

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20026	Project Number	Acres
Address: 900 Lee St, East - Suite 500		Well Farm Name: BAKER	Well #: 1	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock Township
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Springville		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type: ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method: ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
8/13/08	8/31/08	1545 ft.	7450 ft.	N/A ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17.5"	13.375"	37	LT&C	44	25 sks Portland	Cent	As	Needed	8/14/08
12.25"	9.675"	26	LT&C	1094	380 sks Class A w/ 2% CaCl	Cent	As	Needed	8/15/08
8.75"	7"	23	LT&C	1534	140 sks Cls A w/4% Gel & 2% CaCl				8/16/08
					100 sks Cls A w/ 2% CaCl				
6.25"	4.5"	11.6	ST&C	7306	365 Class A w/2% Gel & 2% CaCl	Cent	As	Needed	8/31/08

COMPLETION REPORT

Perforation Record

Date	Interval Perforated From	To
11/09/08	7100	7240
11/10/08	6890	6945

Stimulation Record

Date	Interval Treated	Fluid Type	Fluid Amount	Propping Agent Type	Propping Agent Amount	Average Injection
11/10/08	Lower Marcellus	Slk Water	8923 bbls	Sand	210000	6287
11/11/08	Upper Marcellus	Slk Water	4283 bbls	Sand	125861	6298

Natural Open Flow	363	Natural Rock Pressure	Did Not Gauge	Hours	Days
After Treatment Open Flow	To Wet To gauge	After Treatment Rock Pressure	3250	255 Hours	10.625 Days

Well Service Companies – Provide the name, address, and phone number of all well service companies involved.

Name	Address	City - State – Zip	Phone
BJ Services	660 Longview Road	Fairmont Ciry, PA	814-365-2003
Schlumberger	95 Rutherfrod Run	Bradford, PA	814-362-7441
GDS, Inc.	466 Airport Industrial Park Road	Parkersburg, WV	304-464-4666

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#: **37-115-20026**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Shale	0	2053			Fresh @ 990	E-Log/water from drill log
Catskill Sandstone	2053	2094				E-Log
Shale	2094	3159			SW @ 2300	E-Log/water from drill log
Bradford Siltstone	3159	3710				E-Log
Shale	3710	3986				E-Log
Elk Siltstones	3986	4455				E-Log
Middlesex Shale	4455	4784				E-Log
Gennesee Shale	4784	4819				E-Log
Tully	4819	4937				E-Log
Manantango	4937	6856	5908			E-Log
Upper Marcellus	6856	7040	6886			Driller's Log
Purcell Limestone	7040	7130				Driller's Log
Lower Marcellus	7130	7350				Driller's Log
Onondaga	7350	7450				Driller's Log

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: Drilling Superintendent

Date: 01/05/09

DEP USE ONLY

Reviewed by:

Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20008-00	Project Number	Acres
Address: 900 Lee St Ste 500 Huntington Square		Well Farm Name: Greenwood 1	Well #: 1	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Montrose East		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD - Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth - Driller	Total Depth - Logger
9/28/07	10/12/07	1355 ft.	6968 ft.	6975 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17-1/2"	13-3/8"	37	H-40	49 KB	Sanded in				9/27/07
12-3/8"	9-5/8"	26	H-40	275 KB	125sks of Clas "A" w/2% Gel				9/29/07
8-3/4"	7"	19	J-55	1489 KB	125sks of Class "A" w/4% Gel				10/3/07
					100sks of Class "A" w/2% CaCl				
6-1/4"	4-1/2"	11.6	M-80	6975' KB	175sks of Clas "A" w/2% Gel				10/12/07
6-1/4"	2-3/8"	N-80	6837	6837'KB					11/24/07

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
11/9/07	6750	6900
11/9/07	6688	6698
	6610	6630

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
11/9/07	6750-6900	slickwater	96,280	30/50	16550	63.3 BPM
		15%hcl	756			
11/9/07	6688-6698	slickwater	54,500	30/50	8,460	62.2 BPM
	6610-6630					

Natural Open Flow	622	Natural Rock Pressure	2880 SICP Hours 14 Days
After Treatment Open Flow	622	After Treatment Rock Pressure	520 SITP 56 Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy R
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

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NORTHWEST REGIONAL OFFICE

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#:

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
TILL	0	25				
CATSKILL	25	3436			FW 354	
TRIMMERS ROCK	3436	4568				
TULLY	4568	4687				
HAMILTON	4687	6635				
PURCELL	6635	6750				
MARCELLUS	6750	6900				
ONONDAGA	6900	6968				
125 SKS X 1.36 X 3.1929 542 197%	957/8				275	
(125 SKS X 1.55) + (100 SKS X 1.12) X 6.652 2087 140%		7		1489		
		4655				
175 SK X 1.36 X 9.7459	2319		4 1/2 6975			

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature: T.S. [illegible]

Title: Vice President Date: 1/10/2008

DEP USE ONLY

Reviewed by: Date:

Comments:

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20008-00	Project Number	Acres
Address: 900 Lee St Ste 500 Huntington Square		Well Farm Name: Greenwood 1	Well #: 1	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Dimock
Phone: 304-347-1600	Fax: 304-347-1635	USGS 7.5 min. quadrangle map: Montrose East		

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
9/28/07	10/12/07	1355 ft.	6968 ft.	6975 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
17-1/2"	13-3/8"	37	H-40	49 KB	Sanded in				9/27/07
12-3/8"	9-5/8"	26	H-40	275 KB	125sks of Clas "A" w/2% Gel				9/29/07
8-3/4"	7"	19	J-55	1489 KB	125sks of Class "A" w/4% Gel				10/3/07
					100sks of Class "A" w/2% CaCl				
6-1/4"	4-1/2"	11.6	M-80	6975' KB	175sks of Clas "A" w/2% Gel				10/12/07
6-1/4"	2-3/8"	N-80	6837	6837'KB					11/24/07

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
11/9/07	6750	6900
11/9/07	6688	6696
	6610	6630

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
11/9/07	6750-6900	slickwater	96,280	30/50	16550	63.3 BPM
		15%hcl	756			
11/9/07	6688-6698	slickwater	54,500	30/50	8,460	62.2 BPM
	6610-6630					

Natural Open Flow	622	Natural Rock Pressure	2880 SICP Hours 14 Days
After Treatment Open Flow	622	After Treatment Rock Pressure	520 SITP 56 Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy R
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

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JAN 14 2008
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NORTHWEST REGIONAL OFFICE

5500-FM-OG0004 Rev. 1/2007

LOG OF FORMATIONS

Well API#:

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
TILL	0	25				
CATSKILL	25	3436			FW 354	
TRIMMERS ROCK	3436	4568				
TULLY	4568	4687				
HAMILTON	4687	6635				
PURCELL	6635	6750				
MARCELLUS	6750	6900				
ONONDAGA	6900	6968				
125 SKS X 1.36 X 3.1929 542' 197%	9 5/8				275	
(125 SKS X 1.55) + (100 SKS X 1.12) X 6.652 2087 140%		7		1489		
		4655				
175 SK X 1.36 X 9.7459	5319		4 1/2 6975			

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature: J.S. [illegible]

Title: Vice President Date: 1/10/2008

DEP USE ONLY

Reviewed by: Date:

Comments:

5500-PM-OG0002 Rev 3/97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Oil and Gas Management Program
WELL LOCATION PLAT

DEP USE ONLY	DEP Application Tracking #	G: 7/18/07
	Permit # 115-20008	C:
	Project # :	

Top Hole Location
NAD 27 (±0.02")

Denotes location of well on topo map.

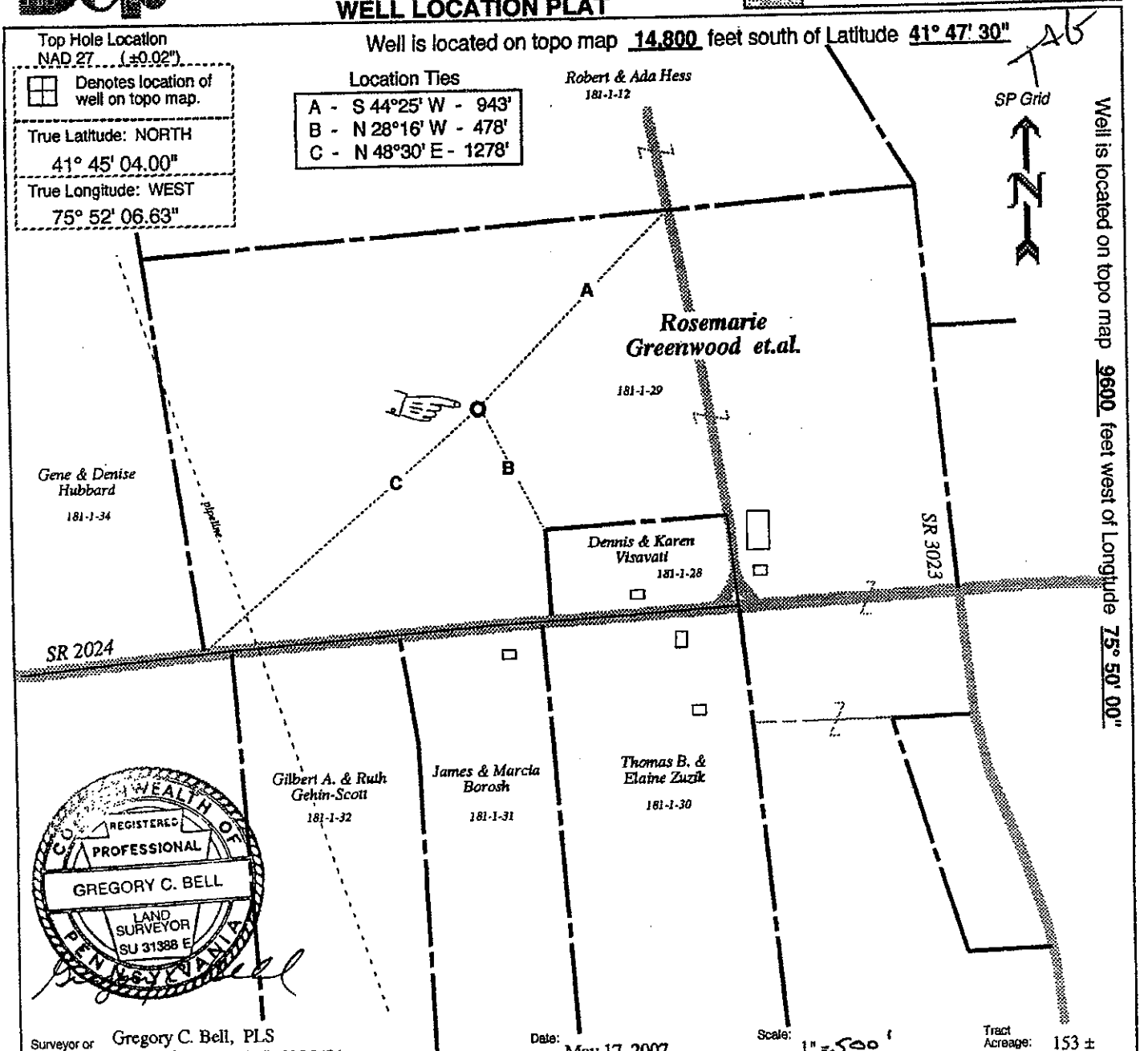
True Latitude: NORTH
41° 45' 04.00"

True Longitude: WEST
75° 52' 06.63"

Well is located on topo map 14,800 feet south of Latitude 41° 47' 30"

Location Ties

A - S 44°25' W - 943'
B - N 28°16' W - 478'
C - N 48°30' E - 1278'



COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
GREGORY C. BELL
LAND SURVEYOR
SU 31388 E

Surveyor or Engineer: Gregory C. Bell, PLS
Heritage Surveys (814) 225-3484

Date: May 17, 2007

Scale: 1" = 500'

Tract Acreage: 153 ±

Survey Date: 5/24/06

Lat & Long Metadata
Method TOPCON (L2) GPS Accuracy 2 ± ft. Datum NAD 27

Elevation Metadata
Method : Topo Interpolation Accuracy : 10 ± ft. Datum NAD 27

Applicant / Well Operator Name	DEP ID #	Well (Farm) Name	Well #	Serial #
Cabot Oil & Gas Corp.	43513	GREENWOOD	1	

Address	County - Code	Municipality	Well Type
900 Lee Street East, Suite 1500, Charleston, WV 25301	Susquehanna - 58	Dimock Twp.	Gas

Surface Landowner	USGS 7.5' Quadrangle Map Name	DEP Map #	Map Section
Rosemarie Greenwood et.al.	Montrose East	439	7

Surface Lessee (if any)	Angle & Course of Deviation (Drilling)	Surface Elevation	Anticipated Total Depth
	none	1355 topo	7500 ft.

Surface Owner or Water Purveyor with a Water Supply within 1000 ft.	Approximate Course and Distance to Water Supply	Owner, Lessee, or Operator of Workable Coal Seam	Name of Person Owned, Leased, or Operated
Rosemarie Greenwood et.al.	S 65° E - 1000'±		
Thomas B. & Elaine Zuzik	S 40° E - 1000'±		
James & Marcia Borosh	S 5° E - 850'±		
Dennis & Karen Visavati	S 40° E - 850'±		

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

PROGRAM O/G

FILE NAME Susquehanna County Gas Migration

BREAKDOWN Investigation

TYPE Corr

COUNTY Susquehanna MUNICIPALITY Dimock

COMMENTS Carter Rd C10-260456

5500-FM-OG0004 Rev. 1/2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator: Cabot Oil & Gas Corporation	DEP ID#: 43513	Well API # (Permit / Reg): 37-115-20007-00	Project Number	Acres
Address: 900 Lee Street East STE 500		Well Farm Name: Teel	Well #: 1	Serial #
City: Charleston	State: WV	Zip Code: 25301	County: Susquehanna	Municipality: Springville
Phone: 304-347-1600	Fax: 304-347-1635		USGS 7.5 min. quadrangle map: Springville	

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☒ Gas ☐ Oil ☐ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
9/27/06	10/28/06	1070 ft.	7017 ft.	7024 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
24	20	94	H-40	117'CL	190 cuft. ready mix				10/2/06
17-1/2	13-3/8	48	H-40	378'KB	350sxs Class "A"				10/11/06
8-7/8	7	36	J-55	2726'KB	400sxs w/4% Gel				10/20/06
					125sxs Class "A"				
6-1/4	4-1/2	11.6	N-80	7002'KB	90sxs Class "A" w/2% Gel	Insert	4-1/2	6990'	10/28/06

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To
11/10/06	6787	6929

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
12/20/06	6787-6929	X-Link	2345bbls	100	10,100	24BPM
				20/40	106,000	

Natural Open Flow	103	Natural Rock Pressure	3440psi SICP Hours 14 Days
After Treatment Open Flow	230	After Treatment Rock Pressure	2800 psi SICP 92 Hours Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name: BJ Services	Name: Schlumberger	Name: SW Jack
Address: 660 Longview Road	Address: 600 Industrial Drive	Address: 420 Little Sandy Road
City - State - Zip: Fairmount City, Pa.	City - State - Zip: Beckley, WV	City - State - Zip: Elkview, WV
Phone: 814-365-2003	Phone: 304-353-9303	Phone: 304-472-9403

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NORTHWEST REGIONAL OFFICE

LOG OF FORMATIONS

Well API#:

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
TILL	0	25				
CATSKILL	25	3525	3020		125,514	
TRIMMERS ROCK	3525	4623				
TULLY	4623	4733				
HAMILTON	4733	6660				
PURCELL	6660	6786				
MARCELLUS	6786	6930				
ONONDAGA	6930	7024				
350SKS x 1.2 X 1.4396 604 160%	378				~~[illegible]~~ 13 3/8	
(400SKS X1.56) (125SKS X 1.2) X 6.652 = 5122'? Not Correct		7		2726		
		5809				
90SKS X 1.36 X 9.7459 1193			4 1/2 7002			

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature: T.S. [illegible]

Title: Vice President Date: 1/10/2008

DEP USE ONLY

Reviewed by: Date:

Comments:

5500-PM-OG0002 Rev 3/97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Oil and Gas Management Program
WELL LOCATION PLAT

DEP USE ONLY	DEP Application Tracking #	G: 6/20/06
	Permit # 115-20007	C:
	Project # :	

Top Hole Location
NAD 27 (±0.02")

Denotes location of well on topo map.

True Latitude: NORTH
41° 42' 47.36"

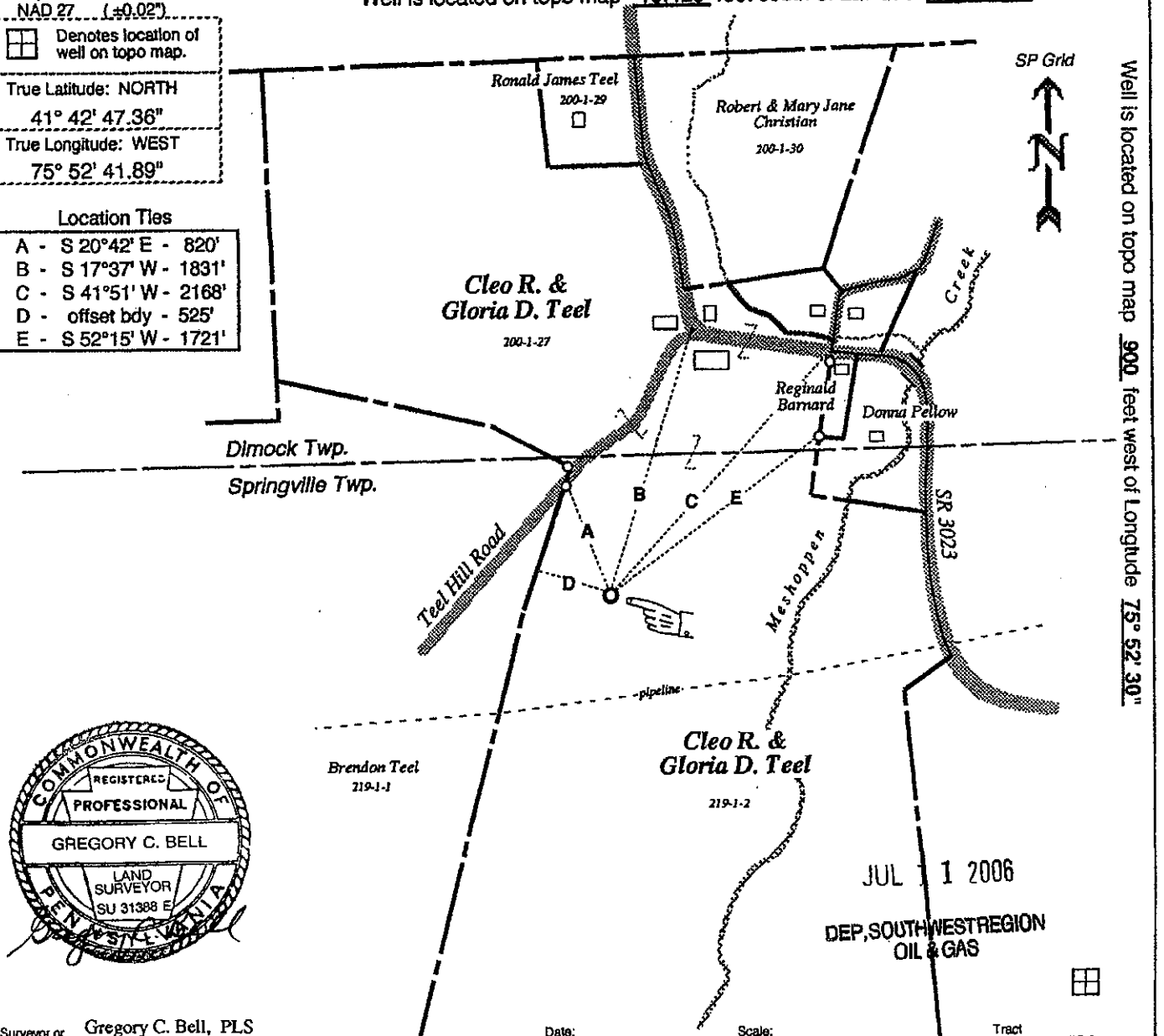
True Longitude: WEST
75° 52' 41.89"

Location Ties

A -	S 20°42' E -	820'
B -	S 17°37' W -	1831'
C -	S 41°51' W -	2168'
D -	offset bdy -	525'
E -	S 52°15' W -	1721'

Well is located on topo map 13,425 feet south of Latitude 41° 45' 00"

Well is located on topo map 900 feet west of Longitude 75° 52' 30"



COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
GREGORY C. BELL
LAND SURVEYOR
SU 31388 E

JUL 1 1 2006
DEP, SOUTHWEST REGION
OIL & GAS

Surveyor or Engineer: Gregory C. Bell, PLS, Heritage Surveys (814) 225-3484	Date: June 22, 2006	Scale: 1" = 1000'	Tract Acreage: 586 ±

Lat & Long Metadata: Method TOPCON (L2) GPS	Accuracy 2 ± ft.	Datum NAD 27	Elevation Metadata: Method: Topo Interpolation; Accuracy: 10 ± ft.; Datum NAD 27; Survey Date: 5/24/06
Applicant / Well Operator Name: Cabot Oil & Gas Corp.	DEP ID #: 43513	Well (Farm) Name: TEEL	Well #: 1; Serial #:
Address: 900 Lee Street East, Suite 1500, Charleston, WV 25301		County - Code: Susquehanna - 58	Municipality: Springville; Well Type: Gas
Surface Landowner: Cleo R. & Gloria D. Teel		USGS 7.5' Quadrangle Map Name: Springville	DEP Map #: 538; Map Section: 3
Surface Lessee (if any):		Angle & Course of Deviation (Drilling): none	Surface Elevation: 1070 topo; Anticipated Total Depth: 7500 ft.

Surface Owner or Water Purveyor with a Water Supply within 1000 ft.	Approximate Course and Distance to Water Supply	Owner, Lessee, or Operator of Workable Coal Seam	Name of Coal Seam Owned, Leased, or Operated
none			

JUL 13 2006

JUN 26 2006

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

PROGRAM O/G

FILE NAME Susquehanna City Gas Migration

BREAKDOWN Investigation

TYPE Conf

COUNTY Susquehanna MUNICIPALITY Dimock

COMMENTS Carter Rd, C10-260456