



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

Coordinates for Well Location No. Amherst #16
 West Virginia State Plane South Zone NAD '27
 N 556,271.19 : E 1,766,712.91

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

FILE NO. _____
 DRAWING NO. 16-WW6.dwg
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 12,729
 PROVEN SOURCE OF ELEVATION Global Positioning System (GPS)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAW AND THE REGULATIONS AND ISSUED PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) Don K. Cunningham
 R.P.E. _____ L.L.S. 701



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

DATE November 08, 2004
 OPERATOR'S WELL NO. Amherst #16
 API WELL NO. 47-079-01306

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 919.31 WATER SHED Manila Creek of Kanawha River
 DISTRICT Pocatalico COUNTY Putnam
 QUADRANGLE Bancroft

SURFACE OWNER Amherst Industries, Inc. ACREAGE 5.917.73
 OIL & GAS ROYALTY OWNER Hatfield Reliance Coal Company LEASE ACREAGE 2.500

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Thomas S. Liberatore
 ADDRESS P.O. Box 1473 ADDRESS P.O. Box 1473
Charleston, WV 25325 Charleston, WV 25325

SKH 11/15/2004



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Joe Manchin III, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.gov

June 14, 2010

FINAL INSPECTION REPORT

New Well Permit Cancelled

CABOT OIL & GAS CORPORATION,

The FINAL INSPECTION REPORT for the CANCELLED permit, API Well Number: 47-7901306, issued to CABOT OIL & GAS CORPORATION, and listed below has been received in this office. The permit has been cancelled as of 4/28/2008.

James Martin
Chief

Operator: CABOT OIL & GAS CORPORATION
Operator's Well No: AMHERST 16
Farm Name: AMHERST INDUSTRIES
API Well Number: 47-7901306
Date Issued: 04/26/2005

Date Cancelled: 04/28/2008

Promoting a healthy environment.

INSPECTORS PERMIT SUMMARY FORM

GPS YES [] NO []

DATE STARTED/LOCATION: [] API #: 79-1306 WELL NO. Amherst 16
 DRILLING COMMENCED: 10-19-05 OPERATOR: CABOT
 TD DATE: [] DEPTH: [] FARM: AMHERST INDUSTRIES
 WATER DEPTHS [] COAL DEPTHS []

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

- DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
 A. CONSTRUCTION YES [] NO [] (2 PTS) B. DRILLING YES [] NO [] (2 PTS)
 (4 PTS) ✓
- WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [] NO [] (4 PTS)
 (4 PTS) ✓
- ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [] NO [] (4 PTS)
 (4 PTS) ✓
- CONSTRUCTION:
 WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 A. ROAD DITCHES (1) (2) (3) (4) (PTS) B. CROSS DRAINS (1) (2) (3) (4) (5) (PTS)
 C. CULVERTS (1) (2) (3) (4) (5) (PTS) D. CREEK CROSSINGS (1) (2) (3) (PTS)
 E. DIVERSION DITCHES (1) (2) (3) (PTS) F. BARRIERS (1) (2) (3) (PTS)
 G. TEMPORARY SEEDING YES [] NO [] (5 PTS) POINTS AVAILABLE FOR QUESTION 4: (28 PTS) ✓
 (2 PTS) ✓
 (6 PTS) ✓
- HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [] NO [] (2 PTS)
 (2 PTS) ✓
- IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [] NO [] (6 PTS)
 (6 PTS) ✓
- RECLAMATION:
 A. ROADWAY (1) (2) (3) (PTS) B. LOCATION (1) (2) (3) (PTS)
 C. PITS (1) (2) (3) (PTS) D. PIPELINES (1) (2) (3) (PTS)
 E. TANK DIKES (1) (2) (3) (PTS) F. GATES & FENCES (1) (2) (3) (PTS)
 G. API INSTALLED YES OR NO (3 PTS) H. ADEQUATE SEEDING MATERIALS (1) (2) (3) (PTS)
 I. WAS SEED BED ADEQUATE (1) (2) (3) (PTS) POINTS AVAILABLE FOR QUESTION 7: (27 PTS) ✓
 (24 PTS) ✓
- WAS RECLAMATION COMPLETED WITHIN:
 6 MTHS OF TD (1) PTS; 4 MTHS OF TD (6 PTS); 2 MTHS OF TD (7 PTS).
 (24 PTS) ✓

No Drill Due to other Horizontal

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: 86

INSPECTIONS:

Not Drilled. may not drill. Reclamation Complete

10-19-05 Checked Rig moving on - Cabot changed their mind - and moved Rig to Cabot 10

11-8-05 *Common pit*

Never drilled

RECEIVED Office of Oil & Gas

4-4-07 *NW Pit (rent Pit)*

Re Claimed

MAY 05 2008

4/28/08

Jamie Stevens

WV Department of Environmental Protection

DATE RELEASED

INSPECTOR

Reclaim but didn't drill



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Joe Manchin III, Governor
Stephanie R. Timmermeyer, Cabinet Secretary
www.wvdep.org

April 26, 2005

WELL WORK PERMIT
New Well

This permit, API Well Number: 47-7901306, issued to CABOT OIL & GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-926-0499 ext. 1653.

JAMES MARTIN
Chief,
Office of Oil and Gas

Operator's Well No: AMHERST 16
Farm Name: AMHERST INDUSTRIES
API Well Number: 47-7901306
Permit Type: New Well
Date Issued: 04/26/2005

Promoting a healthy environment.

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator Cabot Oil & Gas Corporation

08145	079	Pocatalico	Bancroft
Operator ID County District Quadrangle			

2) Operators Well Number: AMHERST 16 3) Elevation: 919.31'

4) Well Type: (a) Oil _____ Or Gas X
 (b) If Gas: Production X / Underground Storage _____
 Deep _____ / Shallow X

5) Proposed Target Formation(s): BIG LIME, BEREA, DEVONIAN SHALE, L. HURON SHALE, AND MARCELLUS

6) Proposed Total Depth: 5000 Feet

7) Approximate fresh water strata depths: 353'

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? YES

11 Describe proposed well work DRILL AND COMPLETE A COMMINGLED BIG LIME, BEREA, DEVONIAN SHALE, L. HURON SHALE, AND MARCELLUS GAS WELL.

12) Based upon COGC Geology.

L.P. 4-18-05

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Fresh Water	13-3/8"	LS	48	40'	40'	GFS
Coal	9-5/8"	LS	26	450'	450'	217 ft ³ (CTS)
Intermediate	7"	LS	20	2110'	2110'	458 ft ³
Production	4-1/2"	M-60	10.5		4950'	418 ft ³
Tubing						
Liners						

Cement volumes are: 9-5/8" = 1.4 cuft/sx, 7" = 2.24 cuft/sx Lead and 1.21 cuft/sx Tail (600'), and 4-1/2" = 2.5 cuft/sx.

NOTE: Cement on the 9-5/8" casing is BJ Service's Surfite.