



NOTES:  
 All known oil & gas wells within 3,000' of the proposed location are shown hereon.  
 The bearings and distances shown hereon are based on the West Virginia State Plane Coordinate System, South Zone NAD '27.

West Virginia State Plane Coordinates for Loc. No. 17  
 N 400,633.71 : E 1,574,848.82

FILE NO. 4987 WW  
 DRAWING NO. 17WW6  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 : 30,278  
 PROVEN SOURCE OF ELEVATION U.S.C.&G.S. BM "F-149"  
Elev. = 644.88 NGVD '29

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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) Ronald L. Eastham  
 R.P.E. \_\_\_\_\_ L.L.S. 150

RONALD L. EASTHAM  
 LICENSED  
 No. 150  
 STATE OF  
 WEST VIRGINIA  
 LAND SURVEYOR  
 PLACE SEAL HERE

**STATE OF WEST VIRGINIA**  
**DIVISION OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL AND GAS**  
 NITRO, WV

DATE March 29 2001  
 OPERATOR'S WELL NO. 17  
 API WELL NO. 47-099-02044  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP X SHALLOW \_\_\_

LOCATION: ELEVATION 1023.93 WATER SHED Hurricane Branch of the West Fork of Twelvepole Creek  
 DISTRICT Lincoln COUNTY Wayne  
 QUADRANGLE Radnor

SURFACE OWNER Douglas Edward Damron (D.B. 479, Pg. 296) ACREAGE 99  
 OIL & GAS ROYALTY OWNER Columbia Natural Resources, Inc. LEASE ACREAGE 5000  
 LEASE NO. 47-11205

PROPOSED WORK: DRILL \_\_\_ X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 5-0 0

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Big Six ESTIMATED DEPTH 4135 APR 27 2001  
 WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT John Abshire  
 ADDRESS 900 Lee Street East, Suite 500 ADDRESS 900 Lee Street East, Suite 500  
Charleston, WV 25301 Charleston, WV 25301

Deep well

COUNTY NAME WAYNE PERMIT 2044

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  
Well Operator's Report of Well Work

Wed. *[Signature]*

Farm name: Douglas E. Damron Operator Well No.: CNR #17

LOCATION: Elevation: 1023' Quadrangle: Radnor  
District: Lincoln County: Wayne  
Latitude: 12,400' feet South of 38° DEG. 07' MIN. 30" SEC.  
Longitude: 5,470' feet West of 82° DEG. 27' MIN. 30" SEC.

Company: Cabot Oil & Gas Corporation  
900 Lee Street East, Suite 500  
Charleston, WV 25301

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
16"		40'	
9 5/8"		753'	300 sks
7"		1813'	320 sks .

Agent: John Abshire  
Inspector: Dave Belcher  
Permit Issued: 4/23/01  
Well Work Commenced: 5/15/01  
Well Work Completed: 5/23/01  
Verbal Plugging YES  
Permission granted on: 5/23/01  
Rotary X Cable \_\_\_\_\_  
Total Depth (feet) 4201'  
Fresh Water Depths (ft) 140'  
Salt Water Depths (ft) 1080', 1195', 1412'  
Is coal being mined in area (Y / N)? \_\_\_\_\_  
Coal Depths (ft) 827'-832', 834'-837'

Plugged & Abandoned @ TD

OPEN FLOW DATA

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

RECEIVED  
Office of Oil & Gas  
Permitting  
AUG 22 2001  
WV Department of  
Environmental Protection

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

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

For: CABOT OIL & GAS CORPORATION

By: *Ray Rudnick* Operations Manager  
Date: 8/21/01

AUG 24 2001

MAY 2004

FORMATION	TOP	BOTTOM	REMARKS
Brethitt Fm	0	990	FW @ 140'
Lee Fm (Salt Sand)	990	1410	SW @ 1080', 1195'
Pennington Fm	1410	1455	SW @ 1412'
Little Lime	1455	1490	
Big Lime	1490	1655	
Injun	1655	1824	
Borden	1824	2252	
Coffee Shale	2252	2264	
Berea	2264	2388	
Devonian Shale	2388	3343	
Corniferous Lime	3343	4014	
Big Six	4014	4050	
Rose Hill	4050	4201 TD	

