

NO KNOWN WATERWELLS WITHIN 1000'  
TO TWO 1/2" IRON PINS  
N33°47'59"E 225.283'

LATITUDE 37°55'00"

WILLIS BRANCH COAL COMPANY  
PARCEL "B" OF DEED BOOK 61 PAGE 482

WILLIS BRANCH COAL COMPANY  
PARCEL "J" OF DEED BOOK 61 PAGE 482

PLATEAU DISTRICT

CLEAR  
FORK  
DISTRICT

FAYETTE COUNTY  
RALEIGH COUNTY

MAYNOR BRANCH

TOWN DISTRICT

S01°29'56"E  
8893.432'

1099C

N2°21'19"W  
8710.540'

NORTH

PROPOSED  
WELL

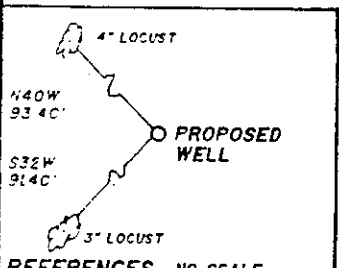
HANSFORD SMOKELESS COLLERS, INC.  
COORDINATES  
42603.534  
57592.604

PARCEL "H"

RIGHT  
FORK

TOPO  
LOCATION

2415  
0.231



REFERENCES NO SCALE

WEST VIRGINIA STATE PLANE COORDINATES  
321202.473  
1914646.770  
NAD 27

Eccles EC  
2415, 250W

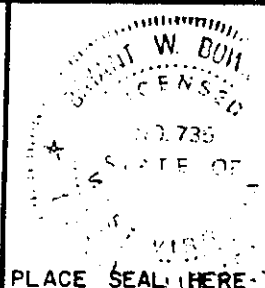
LONGITUDE 81°7'30"

12650'

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1"=1000'  
MINIMUM DEGREE OF  
ACCURACY 1/10000  
PROVEN SOURCE OF  
ELEVATION BM 2376 SOUTH OF  
LOCATION

I THE UNDERSIGNED, HEREBY CERTIFY  
THAT THIS PLAT IS CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF AND  
SHOWS ALL THE INFORMATION REQUIRED  
BY LAW AND THE REGULATIONS ISSUED  
AND PRESCRIBED BY THE DEPARTMENT OF  
MINES.

(SIGNED) [Signature]  
R. P. E. \_\_\_\_\_ L. L. S. 736



(+) DENOTES LOCATION OF  
WELL ON UNITED STATES  
TOPOGRAPHIC MAPS  
FORM IV-6  
(8-78)



DATE JUNE 15, 19 98  
OPERATOR'S WELL NO. 49C-WB7  
API WELL NO. 47-081-01144C  
STATE COUNTY PERMIT

Department of Mines  
Oil & Gas Division

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 2705.27 WATER SHED LICK RUN OF CLEAR FORK  
DISTRICT CLEAR FORK COUNTY RALEIGH  
QUADRANGLE PAX, WV 7.5'

SURFACE OWNER WILLIS BRANCH COAL CO. ACREAGE 1465.14  
OIL & GAS ROYALTY OWNER WILLIS BRANCH COAL COMPANY LEASE ACREAGE 2500±  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X 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 BECKLEY COAL ESTIMATED DEPTH 1800' DATE JUN 27 1998  
WELL OPERATOR PENN YRGINIA OIL & GAS CORP. DESIGNATED AGENT MR. HARRY JEWEL  
ADDRESS 999 EXECUTIVE PARK BLVD. SUITE 300 ADDRESS PO BOX 460  
KINGSPORT, TN 37660 RAYENCLIFF, WV 25913

RALEIGH COUNTY 1144C

WR-35

22-Jul-98  
API # 47- 81-01144 C

Division of Environmental Protection

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

DEC 13 1999

Well Operator's Report of Well Work

Farm name: WILLIS BRANCH COAL CO Operator Well No.: 49C-WB7 1999

LOCATION: Elevation: 2,705.27 Quadrangle: PAX

District: CLEAR FORK County: RALEIGH  
Latitude: 12650 Feet South of 37 Deg. 55Min. 0 Sec.  
Longitude 1230 Feet West of 81 Deg. 17 Min. 30 Sec.

Company: PENN VIRGINIA OIL AND GAS  
999 EXEC. PARK BLVD., STE. 300  
KINGSPORT, TN 37660-0000

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	37'	37'	0
7"	1151'	1151'	250 cu ft

Agent: HARRY JEWELL, III

Inspector: RODNEY DILLON  
Permit Issued: 07/22/98  
Well work Commenced: 09/15/99  
Well work Completed: 10/13/99  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 1665'  
Fresh water depths (ft) 1" at 15'  
Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 55-60, 736-741,  
1449-1452, Open Mine 1660-1665

OPEN FLOW DATA

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

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

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

For: PENN VIRGINIA OIL AND GAS CORPORATION

By: William M. Ryan  
Date: 12/9/99

FEB 20 2000

RAL 1144 C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-81-01144  
WELL #: 49C-WB7

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand & Shale	0'	240'	Water line 15' Coal @ 55'-60', Last Return @ 130'-165'
Sand	240'	300'	
Shale	300'	360'	
Sand & Shale	360'	690'	
Sand	690'	720'	
Sand & Shale	720'	1140'	Coal @ 736'-741'
Sand	1140'	1170'	
Sand & Shale	1170'	1200'	
Sand	1200'	1260'	
Sand & Shale	1260'	1500'	Coal @ 1449'-1452'
Sand	1500'	1640'	
Sand & Shale	1640'	1680'	
Open Mine	1660'	1665'	