


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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 1-8-1979
 OPERATOR'S WELL NO. 4
 API WELL NO. 47-103-1077
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION _____ WATER SHED BUCK RUN, PRICE RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'

SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER _____ LEASE NO. _____ LEASE ACREAGE _____

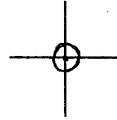
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLUS
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crows
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

J.W. NORRIS - 4

LATITUDE 39° 32' 30"

LONGITUDE 80° 03' 00"



7'5 OGIS topo location

7.5' 10C 1.335 15' 10C _____
' 0.86w (calc.) _____

Company _____

Farm _____

Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-1077

NO. 1

SOUTH PENN OIL COMPANY—COMPLETION

SERIAL NO. _____ FARM NORRIS, J. W. WELL NO. 4
 ELEVATION _____ N. 5 S. _____ W. 8
 LEASE NO. 10060 ACRES 81 1/2 MAP NO. 2953
 WATERS OF Luck Run, Prices Fork, Co. Fork Fishing Creek
 DISTRICT Grant COUNTY Wetzel STATE W. Va.
 DRILLING COMMENCED 12/12/96 COMPLETED 1/23/97 DEPTH 2335

SANDS	TOP	BOTTOM	ELEV TOP	CASING
PCH. COAL 14 1/2	920	930		
Dunkard Sand	1440	1490	10	565
Salt Sand	1825	1950	8 1/2	1460
Big Lime	2170	2230	6 5/8	2241
Pencil Cave	2150	2170		
Big Injun Sand	2230			
1st Pay	2320			

INITIAL PROD. 500 bbls.

GAS TEST _____
 SHOT 12/13/1901 QUARTS 30

SAND Big Inj. DEPTH 2320
Big Injun DEPTH 2310

REMARKS _____
 REPORTED BY WETZEL DISTRICT.

ABANDONED _____

103-1077