



LATITUDE 39 ° 35

LONGITUDE 80 ° 25

Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S elev. (shown) = 1386

5.255
2.94W

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Fracture
 New Location
 Drill Deeper
 Abandonment issued 10/15/74

Signed: [Signature]
 Squares: N 4 S E 9 W

Map No. N59

Company PENNZOIL COMPANY
 Address 601 Grand Central Ave., Vienna, W. Va.
 Farm Jacob Brumage
 Tract _____ Acres 98 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1383
 Quadrangle Mannington SW
 County Marion District Mannington
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. 1590 Drawing No. _____
 Date Sept 17, 1974 Scale 1" = 400' = 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. Mar-968-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-049

Mannington District, Marion County, W. Va.

By South Penn Oil Co.

2 mi. S. W. of Curtisville.

Completed, March 23, 1902.

Elevation, 1370' B.

10" casing, 274' 6"; 8 1/2", 1788' 9"; 6-5/8", 2253' 4"; 5-3/16", 2655'.

Shot March 9, 1905, with 30 qts.; 11" 6" shell; top, 3320'.

Shot Nov. 9, 1908, with 40 qts.; 2 shells, 4" x 7' 8"; top, 3320'.

	Top.	Bottom.	Thickness.
Conductor	0	16	16
Pittsburgh Coal	1225	1230	5
Salt Sand	2140	2230	90
Pencil Cave	2438	2440	2
Big Injun Sand	2525	2635	110
Fifty-foot Sand	3126	3170	44
Gordon Stray Sand	3290	3310	20
Gordon Sand (first pay, 3320'; second, 3328'), to bottom	3310	3339	29