



SURFACE: NOBLE F. MILLER
RT. 5, BOX 405
CHARLESTON, W.VA.

Minimum Error of Closure 1' in 200'
Source of Elevation SRC. Bench Mark 660.29' Iron Pin in Apple Tree, 250' Rt. Sta. 749 + 50, I-77 Highway

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: A. C. Hillbert

Map No. 92 W Squares: N S 66 E W 58

Company PENNZOIL UNITED, INC.
 Address Box 1588, Parkersburg, W. Va.
 Farm LOWE UNIT NO. 1
 Tract 20.7A Part of Acres 280.58 Lease No. 82973
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 805.36 gr.
 Quadrangle Charleston NC
 County Kanawha District Poca
 Engineer A. C. Hillbert
 Engineer's Registration No. 2534
 File No. 1479 Drawing No. _____
 Date Oct. 31, 1968 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. K-92-2330

+ 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.

cal



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle CHARLESTON
Permit No. KAN-2330

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company	PENNZOIL UNITED, INC.		
Address	P. O. Box 1588, Parkersburg, W. Va.		
Farm	Low Unit No. 1	Acres	20.7
Location (waters)			
Well No.	1	Elev.	805.36 gr
District	Poca	County	Kanawha
The surface of tract is owned in fee by <u>Noble F. Miller</u> Route 5, Box 405 Address <u>Charleston, West Va.</u>			
Mineral rights are owned by <u>Rosa L. Lowe</u> Route 5, Box 406 Address <u>Charleston, West Va.</u>			
Drilling commenced	12-13-68		
Drilling completed	1-2-69		
Date Shot	From To		
With			
Open Flow	/10ths Water in	Inch	
	/10ths Merc. in	Inch	
Volume	30,000M	Cu. Ft.	
Rock Pressure	1750	lbs	24 hrs.
Oil	None	bbis., 1st 24 hrs.	

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer Guide
16			Shoe Guide Shoe
13-3/8	57.69	57.69	Size of 8-5/8"
10-5/8	1855.61	1855.61	5-1/2"
8-5-1/2	5646.18	5646.18	Depth set 1837.61,
6-2-3/8	5679.90	5679.90	5629.18
5 3/16			Perf. top
4 1/2			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.

CASING CEMENTED See Below No. Ft. Date

Amount of cement used (bags) _____

Name of Service Co. _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED (DETAILS) 1-2-69 with 1000 Gal. mud acid (Reg), 1 Gal. Inhibitor, 1000# WAC-10,
40 Gal. Howco Suds, 300 CWT Sand 20/40. Fractured with 3 Jet Turbines(3450 HHP) and 1152 Bbls.

RESULT AFTER TREATMENT (Initial open Flow or bbls. 70,000M. est. Oil-None Water (Total) 70,000 McF)

ROCK PRESSURE AFTER TREATMENT 1750 HOURS

Fresh Water _____ Feet Salt Water _____ Feet

Producing Sand Newburg Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	58			
Red Shale			58	160			
Sand			160	187			
Sand & Shale			187	285			
Sand			285	355			
Sand & Shale			668	1105			
Sand			1105	1293			
Sand & Shale			1293	1458			
Sand			1458	1555			
Little Lime			1555	1607			
Big Lime			1607	1761			
Big Injun			1761	1807			
Sand			1807	1855			
Sand & Shale			1855	2219			
Berea			2219	2227			
Sand & Shale			2227	3300			
Shale			3300	4575			
Sand & Shale			4575	4815			
Onondaga			4815	4916			
Oriskany			4916	4951			
Lime			4951	5688			
Newburg			5688	5713	Gas	5689-5691	8000M
Lime <u>McKenzie</u>			5713		Gas	5691-5695	15000M est.
Total Depth				5728			

5688
4916
772

5688
805
4883

MAR 1969
RECEIVED
West Virginia
Dept. of Mines

Casing Cemented - 12-13-68 - 13-3/8" - 57.69 Ft. - Bags used 75 Sacks, 3% CaCl₂
12-21-68 - 8-5/8" - 1855.61 ft. - 500 Lt. Cement w/1/8# Flocele, 200 Std.
2% CaCl₂ 1/8# Flocele
12-30-68 - 5-1/2" - 5646.18 Ft. - 17 1/2 std. 2% CaCl₂ 1/4# Flocele, 3/4 of 1%
CPR-2