

Surface: George Galmish, New Milton, W.Va.

Coal: No Commercial Coal.

Minimum Error of Closure 1' in 200'

Source of Elevation Taken from Abd. Hope Nat. Gas well # 5283.

As per Plat Dodd-179-D, Elev. 973'

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.....

Signed: A.C. Hilbert
 Squares: N S20-21E W9

Map No. 7

Company	PENNZOIL COMPANY	
Address	P. O. BOX 1588, PARKERSBURG, W. VA.	
Farm	S. L. Chapman	
Tract	Acres 179 [±]	Lease No. 59333
Well (Farm) No.	1	Serial No.
Elevation (Spirit Level)	1116.59' ground	
Quadrangle	Holbrook - EC	
County	Doddridge	District Cove
Engineer	A.C. Hilbert	
Engineer's Registration No.	2534	
File No.	1421	Drawing No.
Date	Aug. 19, 1965	
Scale	1" = 800'	

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

WELL LOCATION MAP

FILE NO. Dod-1293

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
 Spudder
 Cable Tools
 Storage
 Oil or Gas Well *Oil & Gas*
(KIND)

Quadrangle HOLBROOK
 Permit No. DOD-1293

WELL RECORD

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va.
 Farm S. L. Chapman Acres 179
 Location (waters) _____
 Well No. 1 Elev. 1116.59'
 District Cove County Doddridge
 The surface of tract is owned in fee by Geo. Galmish
 Address New Milton, W. Va.
 Mineral rights are owned by Same as above
 Address _____
 Drilling commenced September 2, 1965
 Drilling completed September 10, 1965
 Date Shot - From To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume Show Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil Show bbls., 1st 24 hrs.
 WELL ACIDIZED -

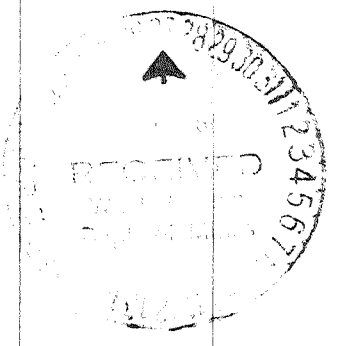
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Steel Shoe
13			Guide Shoe
10 8-5/8"	413.92'	413.92'	Float Collar
8 1/2"	2099.01'	2099.01'	Size of
6 3/8"	2031.18'	2031.18'	5-1/2"
5 3/16"			Depth set
3			4 1/2"
2			2087'
Liners Used			2067'
			Perf. top
			Perf. bottom
			Perf. top <u>2015</u>
			Perf. bottom <u>2024</u>
			w/15 Holes

CASING CEMENTED 8-5/8" SIZE 4 1/2" No. Ft. 9-3-65 Date
5-1/2" 2090' 9-10-65
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

WELL FRACTURED September 15, 1965 Used: 950 Bbls. Water - 45000# Sand - 200# J-11
1000 Gals. Mud Acid - 20 Gals. F-40 - 40 Gals Fre-Flo - 10 DS9 Perf. Balls - 1 Ball Injector
 RESULT AFTER TREATMENT Gas: 125 MCF Oil: 150 Bbls./Day
 ROCK PRESSURE AFTER TREATMENT 410#

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Soil			0	155			
Sand & Silts			155	180			
Silts			180	255			
Sand			255	295			
Silts			295	340			
Sand			340	384			
Silts			384	420			
Silts & Sand			420	522			
Shale			522	535			
Sand			535	545			
Shale			545	580			
Sand & Silts			580	608			
Silts			608	928			
Sand			928	960			
Silts & Shale			960	1020			
Sand			1020	1035			
Shale			1035	1062			
Sand & Silts			1062	1085			
Shale			1085	1315			
Sand			1315	1340			
Shale			1340	1528			
Sand			1528	1560			
Shale			1560	1584			
Sand			1584	1620			
Shale			1620	1704			
Sand			1704	1746			
Shale			1746	1844			
Little Lime			1844	1870			
Shale			1870	1878			
Blue Monday			1878	1890	Oil	1880-86	Show



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pencil Cave			1890	1896			
Big Lime			1896	1952			
Big Injun			1952	2036	Oil	2014-30	Show
Grey Shale & Silts			2036	2090			
Total Depth				2090'			

Date October 26, 19 65

APPROVED PENNZOIL COMPANY, Owner

By A. C. Hilbert
 A. C. Hilbert (Title) Engineer
 Engineering Department