

TRANSFERRED TO:
PENN WAYNE GAS COMPANY
 901 EAST MYLES AVENUE
 PENNSBORO, WEST VIRGINIA
 11-14-63

MINIMUM ERROR OF CLOSURE 1/500 ±

SOURCE OF ELEVATION Road at District Line - Elevation 1187

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."

Company Ritchie Oil Co., R. Daugherty, Agt.
 Address Pennsboro, W. Va.
 Farm W. B. & Gertie Swiger
 Tract 1 Acres 100 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1002
 Quadrangle Centerpoint - CW
 County Doddridge District McClellan
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date June 11, 1963 Scale 1" = 30 P.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. DOD-1016

+ 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.

6-6-99



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle Centerpoint

Permit No. Dod-1016

WELL RECORD

Oil or Gas Well Gas

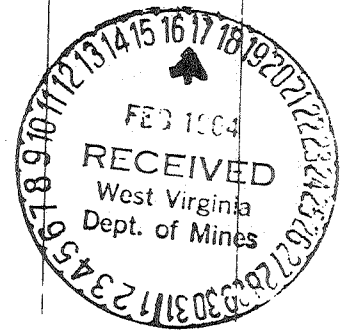
Company PENN-WAYNE GAS COMPANY
Address 611 East High St Waynesburg, Pa.
Farm W.B. Swiger Acres 100
Location (waters) Riggans Run
Well No. 1 Elev. 1002
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by W.B. Swiger
RT # 2 Address Waynesburg, Pa.
Drilling commenced Nov 14th 1963
Drilling completed Dec 21st 1963
Date Shot _____ From _____ To _____
With _____
Open Flow 3/10ths Water in One Inch
_____/10ths Merc. in _____ Inch
Volume 22000 Cu Ft Cu. Ft.
Rock Pressure 700 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16 Wood Conductor		16 Ft	
13			Size of
10 350	350	None	
8 1/2	1166	None	Depth set
6 1/2			
4 1/2		2125	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED 4 1/2 SIZE _____ No. Ft. _____ Date _____
60 lbs. cement; 2 lbs. aquagel.
COAL WAS ENCOUNTERED AT No Coal FEET _____ INCHES
____ FEET _____ INCHES
____ FEET _____ INCHES

WELL FRACTURED January 9, 1964 - 22,000 # Sand; 75# J. 100; 20 gal. Freflo;
15 gal. detergent.
RESULT AFTER TREATMENT 62/10ths mercury 1,560,000
ROCK PRESSURE AFTER TREATMENT 700 lbs - 24 hrs.
Fresh Water No Feet _____ No Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Gravel	Grey	Soft	0	16			
R R	Red	"					
Slate	D	#	16	36			
Sand	G	Hard	36	55			
Slate	D	Soft	55	70			
R R	R	"	70	105			
Slate	G	"	105	115			
R R	R	#	115	140			
Slate	D	"	140	145			
Shells	G	Hard	145	285			
Slate	Blue	Soft	285	295			
Lime	Grey	Hard	295	305			
Shale	G	Soft	305	308			
Lime	G	Hard	308	312			
Sand	G	"	312	320			
Slate	D	Soft	320	328			
Shells	D	Hard	328	365			
Sand	W	"	365	380			
Slate	D	Soft	380	395			
Lime	W	Hard	395	410			
Slate	D	Soft	410	465			
Lime	W	Hard	465	485			
Shale	Blue	Soft	485	500			
R R	R	"	500	520			
Shale	D	"	520	525			
Lime	W	Hard	525	564			
Coal Bloom	D	"	564	574			
Lime	W	"	574	575			
			575	593			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	D	Soft	593	640			
Lime	W	Hard	640	645			
Shale	D	Soft	645	692			
Sand	W	Hard	692	700			
R R	R	Soft	700	712			
Shale	D	"	712	720			After 695
R R	R	"	720	725			Two Bailers Per Hr.
Slate Shale		"	725	780			
Lime	W	Hard	780	800			
Shells	D	"	800	950			
Lime	W	"	950	955			
Sand	W	"	955	967			
Shale	D	Soft	967	1000			
Sand	D	Hard	1000	1082			
R R	R	Soft	1082	1095			
Lime	D	Hard	1095	1043			
Shale	D	Soft	1043	1100			
Shells	W	"	1100	1164			
Lime	D	Hard	1164	1210			
Shells	D	"	1210	1265			
Sand	W	"	1265	1290			
Shale	W	Soft	1290	1296			
Sand	D	Hard	1296	1327			
Shale	D	Soft	1327	1350			
Sand	W	Hard	1350	1390			
Shale	D	Soft	1390	1492			
Sand	W	Hard	1492	1575			Water 1590 One Bailer per Hr.
Sandy Lime	W	Soft	1575	1648			
Sand	D	Hard	1648	1694			
Shale	D	Soft	1694	1735			Show Gas 1735 1740
Vaxon Sand	W	Firm	1735	1780			
Lime	D	"	1780	1857			
Slate	D	Soft	1857	1894			
Sand	W	Hard	1894	1912			
Big Lime	W	"	1912	1991			
Int. Sand	D	"	1991	2020			Show Gas 2000 -- 2010
Lime	W	"	2020	2070			
Sand	D	"	2070	2080			
Shale Break	D	Soft	2080	2086	Gas	2050	
Squaw	D	Hard	2086	2116			
			Total Depth			2125	

Date July 17, 1964
APPROVED Jerry Wayne Hosker, Owner
By Ch. Cochrane (Title)