

Fracture Before 6/5/29
 New Location
 Drill Deeper
 Redrill
 Abandonment
 issued 8/22/74

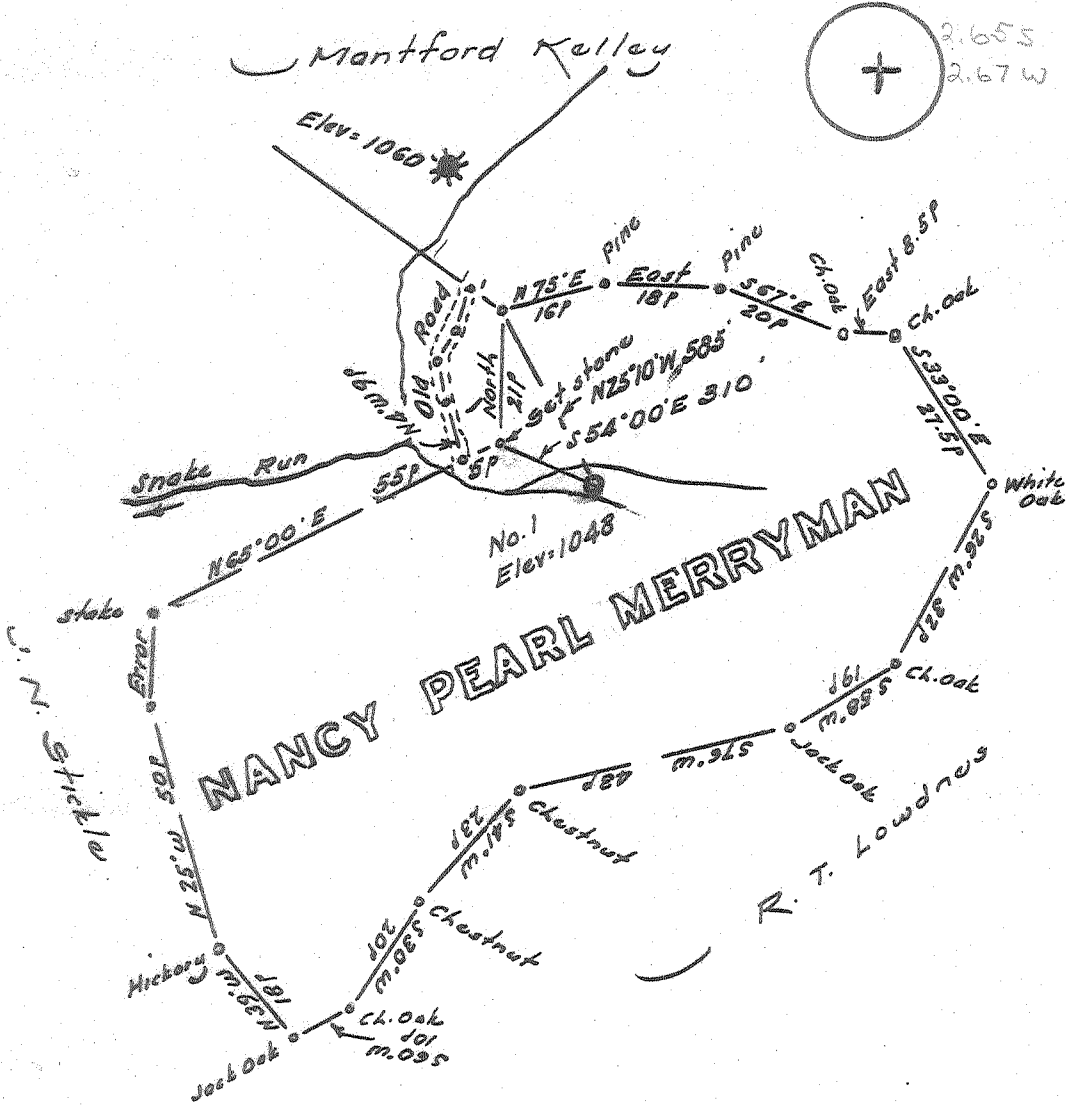
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
 PROVEN ELEVATION Elev. Mantford Kelley No. 1 = 1060'

Company **FLOYD A. GEARHART**
 Address **P.O. Box 748, Indiana, Penna**
 Farm **Nancy Pearl Merryman**
 Tract Acres **49** Lease No. _____
 Well (Farm) No. **One** Serial No. _____
 Elevation (Spirit Level) **1048**
 Quadrangle **Vadis NC**
 County **Doddridge** District **New Milton**
 Engineer *W. H. Helt*
 Engineer's Registration No **1227**
 File No. _____ Drawing No. _____
 Date **May 9, 1968** Scale **1" = 300' 495**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **DOD -1513-P**

+ 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.

47-017



- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
PROVEN ELEVATION Elev. Mantford Kelley No. 1 = 1060'

Company FLOYD A. GEARHART
 Address P.O. Box 748, Indiana, Penna
 Farm Nancy Pearl Merryman
 Acreage 49 Acres Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1048
 Quadrangle Vadis
 County Doddridge District New Milton
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date May 9, 1968 Scale 1" = 300' 495
 6-6 unnamed

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

WELL LOCATION MAP
 FILE NO. DOP-1513

+ 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)

angle *Vadis*
No. *Uod 1513*

WELL RECORD

Env *Floyd A. Gearhart*
P.O. Box 748, Indiana, Pa. 15701
Nancy Pearl Yerrigan Acres *49*
in (waters) *Snake Run*
No. *one* Elev. *1048'*
New Milton County *Doddridge*
Surface of tract is owned in fee by *Herman Stichel*
Address *New Milton, W. Va.*
All rights are owned by *Nancy Pearl Yerrigan*
Address *Baltimore, Maryland*
Drilling commenced *July 24, 1968*
Drilling completed *Sept. 4, 1968*
Shot From To
Flow */10ths Water in* Inch
/10ths Merc. in Inch
Pressure *220* lbs. *168* Cu. Ft. hrs.
bbbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4			
6 5/8	<i>1182'</i>	<i>1182'</i>	
5 3/16			
4 1/2	<i>2190'</i>	<i>2190'</i>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

ACIDIZED (DETAILS)
FRACTURED (DETAILS) *Sept. 19, 1968 Halliburton Co. 500 gallons acid and 560 bbl. water*
YIELD AFTER TREATMENT (Initial open Flow or bbla.) *well went on vacuum* **25,000 Cubic Feet**
K PRESSURE AFTER TREATMENT HOURS
Water *hole full* Feet *140' - 147'* Salt Water *none*
Cementing Sand *Keener sand* (also *Big Lime + Injun*) → Depth **2118' - 2160'**

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<i>l rock</i>			<i>0</i>	<i>20</i>			
<i>re</i>			<i>20</i>	<i>35</i>			
<i>ite & shells</i>			<i>35</i>	<i>50</i>			
<i>re</i>			<i>50</i>	<i>80</i>			
<i>ite & shells</i>			<i>80</i>	<i>140</i>			
<i>ick slate</i>			<i>140</i>	<i>147</i>	<i>fresh water, hole full</i>		
<i>le & shells</i>			<i>147</i>	<i>185</i>			
<i>rd</i>			<i>185</i>	<i>206</i>			
<i>L rock</i>			<i>206</i>	<i>220</i>			
<i>re</i>			<i>220</i>	<i>245</i>			
<i>d rock</i>			<i>245</i>	<i>255</i>			
<i>rd</i>			<i>255</i>	<i>270</i>			
<i>d rock</i>			<i>270</i>	<i>280</i>			
<i>rd</i>			<i>280</i>	<i>370</i>			
<i>ate</i>			<i>370</i>	<i>400</i>			
<i>ack lime</i>			<i>400</i>	<i>418</i>			
<i>hale & shells</i>			<i>418</i>	<i>435</i>			
<i>ed rock</i>			<i>435</i>	<i>442</i>			
<i>late</i>			<i>442</i>	<i>452</i>			

RECEIVED
West Virginia Dept. of Mines
1968
JUN 23 1972

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
l rock			452	485			
ie			485	517			
rock			517	530			
le & shells			530	700			
l			700	707			
e			707	730			
id			730	785			
e			785	800			
rock			800	810			
ite			810	835			
i rock			835	900			
ie			900	982			
ite			982	1010			
rd			1010	1026			
ite			1026	1050			
l rock			1050	1060			
ite			1060	1085			
rk rock			1085	1100			
ite			1100	1182			
l rock			1182	1308			
le & shells			1308	1325			
rd			1325	1348			
ne			1348	1500			
rd			1500	1521			
le & shells			1521	1550			
rd			1550	1580			
le & shells			1580	1625			
rd			1625	1653			
le & shells			1653	1770			
rd			1770	1825			
le & shells			1825	1960			
me			1960	1970			
rd			1970	2000			
l rock			2000	2016			
ittle lime			2016	2030			
le & shells			2030	2058			
Big lime			2058	2130			
Keener sand			2130	2155			show of gas at 2133' to 2143' - Keener
Big Injun sand			2155	2206			
Slate			2206	2290			
Silt stone			2290	2315			
				T.O. 2315'			

Date November 16, 1968

APPROVED Floyd A Gearhart, Owner

By Robert Bates agent

(Title)