

MINIMUM ERROR OF CLOSURE 1/500

SOURCE OF ELEVATION U.S. G.S. B.M. at Long Run ~ Elev. 853

- 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 B.R. Osbourne,  
 Address Griffithville, W.Va  
 Farm Ida Holiday and Virginia Tetrick  
 Tract 1 Acres 79 1/2 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. 111460  
 Elevation (Spirit Level) 905 852' U.S. 7.5' top  
 Quadrangle Centerpoint - SC  
 County Doddridge District Grant  
 Engineer Parker E. Peters  
 Engineer's Registration No. 485  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Oct. 16, 1963 Scale 1" = 30 P.

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

WELL LOCATION MAP  
FILE NO. Doc-1066

+ 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

Quadrangle Center point

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Permit No. DOD-1066

Company B.R. Osborne  
Address Griffithsville, W.Va  
Farm Ida Holliday Acres \_\_\_\_\_  
Location (waters) Long Run *o/c - No. 10/100*  
Well No. One Elev. 853 75  
District Grant County Dodridge  
The surface of tract is owned in fee by Ida Holliday  
Surface Address Salem, W.Va  
Mineral rights are owned by Virginia reitrick and  
Ida Holliday Address Salem, W.Va

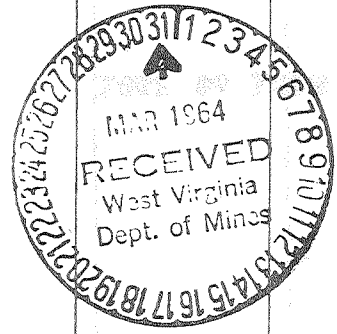
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10	300'		Size of _____
8 1/4	535'	535'	
7 7/8	1025'		Depth set <u>1025</u>
4 1/2	1947	1947	
3			Perf. top <u>1868</u>
2			Perf. bottom <u>1898</u>
Liners Used			Perf. top _____
			Perf. bottom _____

Drilling commenced November 10, 1963  
Drilling completed December 15, 1963  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED February 20 1964

CASING CEMENTED 1 1/2 SIZE 1 1/2 No. Ft. 150 Date 1/23/64  
COAL WAS ENCOUNTERED AT 520' FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT  
ROCK PRESSURE AFTER TREATMENT 100# Volume 100,000  
Fresh Water 200' to 300' Feet Salt Water 970' to 1010' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand	Light	Soft	200	300	water	100'	300'-10" Run
Sand	"	"	300	525	Dry		
Coal	Blk	"	525-520	535-525	Dry	8'	535'-8" Run
Line	Gray	Hard	535	538			
Slate	Dk	Soft	538	578			
Line	Gray	Hard	578	614			
Slate	Dk	Soft	614	639			
Line	Gray	Hard	639	738			
Slate	Dk	Soft	738	769			
Line	Gray	Hard	769	822			
Shells	Dk	Soft	822	852			
Red Rock	Red	Soft	852	845			
Shells	Dk	"	845	847			
Line	Gray	Hard	947	970			
Blk Lime	Blk	"	970	1010	Salt water		1010' 7" Run
Sand	Light	Soft	1010	1018	Salt water		
Line	Gray	Hard	1015	1025			
Sand	Light	Soft	1025	1120			
Line	Gray	Hard	1120	1170			
Sand	Light	Soft	1170	1240			
Shells	Dk	"	1240	1295			
Sand	Light	Hard	1295	1312			
Sand	Light	Soft	1312	1317			
Slate	Dk	"	1317	1325			
Line	Gray	Hard	1325	1407			
Sand	Light	Soft	1407	1484			
Shells	Dk	"	1484	1550			
Sand	Light	"	1550	1571			
Slate	Dk	"	1571	1612			
Line	Gray	Hard	1612	1665			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Broken Line	Gray	Soft	1665	1695			
Line	"	Hard	1695	1718			
slate	Dk	Soft	1718	1752			
sand	Light	"	1752	1769			
slate	Dk	"	1769	1787			
Med Rock	Med	"	1787	1794			
slate	Dk	"	1794	1799			
Blue Monday	Blue	"	1799	1806			
slate	Dk	"	1806	1808			
Big Line	Gray	Hard	1808	1858			
Big Injun	"	"	1858	1930			
slate & Shells	Dk	Soft	1930	1947	Gas	1862 to 1868	

Date March 30, 1964

APPROVED B.R. Deboer, Owner

By \_\_\_\_\_ (Title)