



- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Source of Elevation DOD-782' (883')

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.

*Chet Waterman*

Company	FRANCIS FRIESTAD		
Address	ROCKFORD, ILLINOIS		
Farm	M. L. HAUGHT		
Tract	Acres 218	Lease No.	
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	913'		
Quadrangle	HOLBROOK	N.E.	
County	DODDRIDGE	District	<del>SOUTHWEST</del>
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	67003-1	Drawing No.	
Date	1/4/67	Scale	1" = 50p

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

**WELL LOCATION MAP**  
FILE NO. DOD-1433

*Plugged 3/22/1967*

+ 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 Holbrook  
Permit No. DOD- 1433

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company FRANCIS M. FRIESTAD  
Address 1016 Lexington Way -Rockford, Ill. 61108  
Farm M.L. Haught Acres 218  
Location (waters) Grape Run  
Well No. One Elev. 913'  
District Southwest County Doddridge  
The surface of tract is owned in fee by C. Adams  
Address Weston, W. Va.  
Mineral rights are owned by M.L. Haught  
Address Summers., W. Va.  
Drilling commenced 1/11/67  
Drilling completed 2/9/67  
Date Shot none From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in none Inch \_\_\_\_\_  
/10ths Merc. in \_\_\_\_\_ Inch \_\_\_\_\_  
Volume \_\_\_\_\_ Cu. Ft. \_\_\_\_\_  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil show bbls., 1st 24 hrs. \_\_\_\_\_  
WELL ACIDIZED (DETAILS) no  
WELL FRACTURED (DETAILS) 20000# Sand, 42,000 Gals water, 1880 HHP at 32.5 BPM

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	<u>21 1/2'</u>	<u>21 1/2'</u>	
10	<u>285</u>		Size of
8 1/4	<u>953'</u>		
6 3/4			Depth set
5 3/16			
4 1/2	<u>1784'</u>	<u>246'</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 1784 No. Ft. 2/4/67 Date  
Amount of cement used (bags) 45 sks.  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 50 mcf DRY  
ROCK PRESSURE AFTER TREATMENT 48 psig HOURS 48  
Fresh Water 20', 50' Feet \_\_\_\_\_ Salt Water 895 Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 1697-1724,

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil			0	5			
gravel			3	13			
sand			13	35			
red rock			35	60			
slate			60	80			
red rock			80	110			
slate			110	200			
red rock			200	256			
slate			256	270			
lime			270	280			
slate			280	405			
red rock			205	450			
slate			450	520			
lime			520	540			
red rock			540	555			
sand			555	565			
slate & shells			565	600			
sand			600	630			
lime			630	635			
slate			635	645			
					OVER :		

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
red rock			645	690			
slate			690	780			
sand			780	810			
slate			810	825			
sand			825	845			
slate			845	850			
sand			870	920	water	895'	
slate&shells			920	965			
sand			965	996			
slate			996	1065			
sand			1065	1160			
slate			1160=	1275			
sand			1275	1410			
slate&shells			1410	1475			
sand			1475	1518			
slate&shells			1518	1542			
lime			1542	1562			
slate			1562	1575			
lime			1575	1618			
lime			1618	1690			
sand			1690	1741	gas	1720'	BIG LIME BIG INJUN
dolomite			1741	1750			
sandstone			1750	1754			
shale			1754	1784			
TOTAL DEPTH			1784'				

Date 3/14/67, 19

APPROVED FRANCIS M. FRIESTAD, Owner  
 By Francis M. Friestad  
 Agent (Title)