

Company H.A. WAGGONER  
 Address HAMLIN, W.VA  
E.J. BIKINS, SUCCESSOR.  
 Farm U.G. LOVEJOY  
 Tract \_\_\_\_\_ Acres 91.8 Lease No. \_\_\_\_\_  
 Well (Farm) No. 2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 980 NW  
 Quadrangle Madison  
 County Lincoln District Jefferson  
 Engineer Basil S. Burgess  
 Engineer's Registration No. 469  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 12-8-49. Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. LIN-555-A

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

(L170)

780

WELL RECORD

Permit No. *555-A*

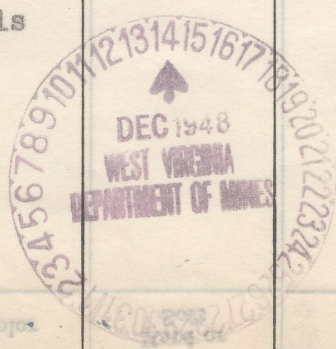
Oil or Gas Well *gas*  
(Kind)

Company *H. A. Waggoner*  
Address *Hanlin, W. Va.*  
Farm *J. A. Holley-Min.* Acres *50*  
Location (waters) *Grant Lovejoy surface*  
Well No. *2* Elev. *980*  
District *Jefferson* County *Lincoln*  
The surface of tract is owned in fee by *Grant Lovejoy*  
Address *Bernie, W. Va.*  
Mineral rights are owned by *J. A. Holley Est.*  
Address *Charleston, W. Va.*  
Drilling commenced *Sept. 23, 1939*  
Drilling completed *Jan. 7th, 1940*  
Date shot..... Depth of shot.....  
Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch  
Volume *151,000* Cu. Ft.  
Rock Pressure *400* lbs. *24* hrs.  
Oil..... bbls., 1st 24 hrs.  
Fresh water..... feet..... feet  
Salt water..... feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.....			Kind of Packer <i>Hook</i>
13.....			<i>wall</i>
10.....	<i>2 1/2</i>		Size of <i>6-5/8"</i>
8 1/4.....			
6 5/8.....	<i>1610</i>	<i>1610</i>	Depth set. <i>all</i>
5 3/16.....			
3.....			Perf. top.....
2.....	<i>2606x</i>	<i>2606</i>	Perf. bottom <i>2476</i>
Liners Used.....			Perf. top.....
			Perf. bottom.....

CASING CEMENTED..... SIZE..... No. FT..... Date.....  
COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Surface			00	21			
Slate			21	75			
Sand			75	125			
Slate			125	200			
Sand			200	235			
Slate			235	275			
Sand			275	330			
Slate			330	350			
Sand			350	410			
Slate			410	450			
Sand			450	500			
Slate & Shells			500	710			
Sand			710	760			
Slate			760	810			
Salt Sand			810	1360			
Slate			1360	1416			
Sand			1416	1510			
Slate			1510	1520			
Red Rock			1520	1525			
Slate			1525	1550			
Little Lime			1550	1600			
Pencil Cave			1600	1605			
Big Lime			1605	1807			
Injun Sand			1807	1837			
Slate & Shells			1837	1900			
Lime Shells			1900	2025			
Grey Slate			2025	2286			
Brown Shale			2286	2297			
Berea			2297	2322			
Slate & Shells			2322	3000			
Shale			3000	3100			
Slate & Shells			3100	3430			
Brown Shale			3430	3790			
White Slate			3790	3801			Bottom of hole



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale			2400	2901	Bottom of hole		
Shale			2420	2400			
Shale & sandstone			2700	2420			
Shale			2000	2700			
Shale & sandstone			5233	2000			
Shale			5552	5233			
Shale			5589	5552			
Shale			5052	5589			
Shale			1300	5052			
Shale & sandstone			1822	1300			
Shale			1902	1822			
Shale			1800	1902			
Shale			1290	1800			
Shale			1282	1290			
Shale			1280	1282			
Shale			1270	1280			
Shale			1479	1270			
Shale			1200	1479			
Shale			970	1200			
Shale			400	970			
Shale			470	400			
Shale & sandstone			200	470			
Shale			420	200			
Shale			470	420			
Shale			220	470			
Shale			220	220			
Shale			322	220			
Shale			300	322			
Shale			152	300			
Shale			51	152			
Shale			00	51			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale							
Shale							
Oil							
Rock fragments							
Gravel							
Open flow							
Drilling completed							
Drilling commenced							
Mineral content							
The surface of rock is covered by							
Drilling							
Well No.							
Location (county)							
Owner							
Address							
Company							

Well No. 12-8-48  
 Date 12-8- 1948  
 APPROVED Merrill Besford, Owner  
 By James H. Besford  
 (Title)