

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. By *William S. Gentry*

DEGREE OF ACCURACY = ONE PART IN 200

5.71 S  
4.38 W  
6 SW (I-3)

- New Location
- Drill Deeper
- Redrill
- Abandonment

Company JEROME GOLDBERG, ET AL.  
 Address 1544 SUMMITT DR. CHARLESTON, W.V.  
 Farm CARL POWERS  
 Tract 5 Acres 55 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 736.21  
 Quadrangle GLENWOOD - EC  
 County MASOM District HANNAN  
 Engineer William S. Gentry  
 Engineer's Registration No. 1243  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 9-16-63 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. MAS-77

+ 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.

No Samples 6-6-0 Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 16

Rotary   
Spudger   
Cable Tools   
Storage

Quadrangle Glenwood

Permit No. MAS-77

WELL RECORD

Oil or Gas Well Both  
(KIND)

Company Jerome Goldberg  
Address P.O. Box 7 - Dunbar, West Virginia  
Farm Bob and Carl Powers Acres 55  
Location (waters) Eighteen Mile Creek  
Well No. 11 Elev. 736.21'  
District Hannan County Mason  
The surface of tract is owned in fee by Bob and Carl Powers Address Henderson, W. Va.  
Mineral rights are owned by Bob and Carl Powers Address Henderson, W. Va.

Drilling commenced October 10, 1963  
Drilling completed January 21, 1964  
Date Shot 2-13-64 From 4059' To 4148'  
With 800# Galiten  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume 210 MCF- Set Plug Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil 10 BBLs Oil - 30 MCF Gas - Berea bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED 2244 - 2262 w/1,000 gals Acid - w/1,000 ~~Water~~ Water & 30,000 lbs Sand

RESULT AFTER TREATMENT 75 BBLs Oil Plus water and 175 MCF Gas - BEREA

ROCK PRESSURE AFTER TREATMENT Oriinsky 1550 - Shale 750 - Berea 760

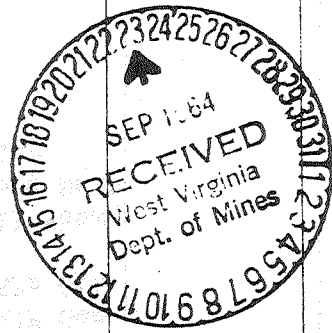
Fresh Water 38 Feet Salt Water 736 Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
20			
16	28'	28'	Kind of Packer _____
13			
10	964'	964'	Size of _____
8 1/4	1,941'	1,941'	
6 3/4	2,400'	2,400'	Depth set _____
5 3/16			
3			Perf. top _____
2	2,378'	2,378'	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 6-5/8 SIZE 300 No. Ft. 2-19-64 Date  
BAKER PLUG SET AT 2,478'

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	Remarks
oil			0	10			
and			10	20			
ed Rock			20	38	Fresh Water	38'	
nick Sand			38	56			
and			56	103			
ed Rock			103	669	Fresh Water	146'	
and			669	700			
ed Rock			700	736			
and			736	790	Salt Water	736'	
late Shells			790	888			
and			888	964			
late			964	1015			
and			1015	1033			
late Shells			1033	1119			
late			1119	1223			
and			1223	1492			
late			1492	1535			
and			1535	1665			
ig Line			1665	1709			
and			1709	1785			
late			1785	1904			
and			1904	2008			
late Shells			2008	2225			
rown Shale			2225	2235			
erous Sand			2235	2264	10 BBLs Oil & 30 MCF Gas		
late Shells			2264	3085	Gas Show		
rown Shale			3085	3335	Gas & Oil Show		
late Shells			3335	3433			
rown Shale			3433	3575			
late Shells			3575	3840			



Formation	Color	Hard or Soft	Top <sup>16</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale	<i>RM</i>		3840	3935			Shale: 2900 - 3900 Shot With 11,000 lbs Well Explosive  Results: 200 MCF Gas  Rock Pressure 300 - 3 hrs.
Gray Shale	<i>Sanjean</i>		3935	3942			
Brown Shale	<i>maxcellus + L. Sanjean</i>		3942	3969			
Canfrice Lime			3969	4040			
Orinsky Sand			4040	4064	15 MCF Gas		
Hard Canfrice Lime			4064	4148	5 BBLs Oil		
Stopped Drilling	Dark			4148	Small Show Strong Salt Water		
<p>9-22-64 NOTE: At this Date Pumping Approximately 15 BBLs Oil and 30 BBLs Water Daily - Water tends to diminish.</p>							
			$\begin{array}{r} 3969 \\ 736 \\ \hline 3233 \end{array}$	$\begin{array}{r} 4040 \\ 736 \\ \hline 3304 \end{array}$	4064		

Date September 22, 19 64

APPROVED JEROME GOLDBERG, Owner

By *Jerome Goldberg* (Title) Owner