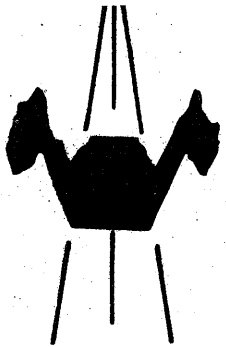


CO: 087 PMT: 1623  
 Loc Digitized from OGIS 7.5' Mylar  
 QUAD: 656 DATE: 12-JUN-90  
 LAT: 38 40.0 Miles South: 1.74  
 LONG: 81 22.5 Miles West: 0.18



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

Company	JOSEPH S. GRUSS		
Address	SPENCER, W. VA.		
Farm	J. B. SUMMERS		
Tract	Acres 105	Lease No.	
Well (Farm) No.	7	Serial No.	
Elevation (Spirit Level)	936'		
Quadrangle	WALTON	C	
County	ROANE	District	WALTON
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	67003-107	Drawing No.	
Date	7/12/90	Scale	1" = 40'

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

**WELL LOCATION MAP**  
 FILE NO. ROA -1623

+ 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  
**WELL RECORD**

Rotary   
Spudder   
Cable Tools   
Storage   
Oil or Gas Well Injection  
(KIND)

Quadrangle Walton  
Permit No. ROA-1623

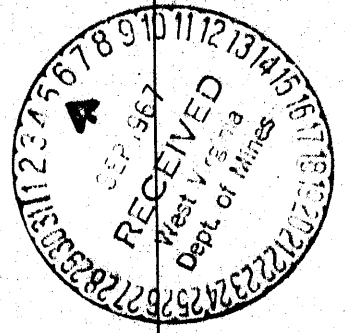
Company Joseph S. Gruss  
Address Box 471, Spencer, W. Va.  
Farm J. B. Summers Acres 105  
Location (waters) McKown  
Well No. 7 Elev. 936  
District Walton County Roane  
The surface of tract is owned in fee by George Moffatt  
Address Walton, W. Va.  
Mineral rights are owned by I. B. Summers, et al  
Address Spencer, W. Va.  
Drilling commenced 7-20-67  
Drilling completed 7-29-67  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil Injection Well bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) 30,000# 20/40 Sand and 30,000 Gallons Gelled Salt Water

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4	150	150	
6 3/4			Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED 4 1/2 SIZE 2150 No. Ft. 7-30-67 Date  
Amount of cement used (bags) 455 (Circulated)  
Name of Service Co. Howco  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES  
WELL FRACTURED (DETAILS) 30,000# 20/40 Sand and 30,000 Gallons Gelled Salt Water

RESULT AFTER TREATMENT (Initial open Flow or bbls.) Injection Test - 8 B/M @ 1250 PSL  
ROCK PRESSURE AFTER TREATMENT HOURS  
Fresh Water Injection Sand Big Injun Feet  
Salt Water 2077-2095 and 2111-2115 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
			<u>"ATTACHED"</u>				



DRILLER'S LOG

14

Joseph S. Gruss  
Attn: Mr. Nickox  
Spencer, West Virginia

I. B. SUMMERS #7 - ROANE COUNTY, WEST VIRGINIA

0	To	75	shaley sand shells
75	To	152	sand & shells
152	To	165	shale
165	To	400	shale, sandy shale & shells
400	To	490	sand
490	To	540	shale
540	To	657	sandy shale
657	To	667	lime
667	To	870	sandy shale & shale
870	To	1020	sand, shale & lime shells
1020	To	1175	sand, shaley and sand
1175	To	1244	shaley sand
1244	To	1350	shaley sand
1350	To	1510	shaley sand & shale
1510	To	1555	shaley sand
1555	To	1620	shaley lime w/sand streaks
1620	To	1635	salt sand
1635	To	1885	salt sand
1885	To	1923	shale
1923	To	1927	shaley sand & sand
1927	To	1933	sand
1933	To	1965	lime
1965	To	2009	lime
2009	To	2054	lime & dolomite
2054	To	2066	dolomite - Becket
2066	To	2092	sand - Big Injan
2092	To	2110	sandy shale
2110	To	2117	shaley sand
2117	To	2150	silty shale
2150 T.D.			

APPRAVAL

STATE OF WEST VIRGINIA )  
COUNTY OF WOOD ) ss

I hereby certify that the Driller's Log is correct according to the Daily Drilling Report.

MITCHELL & MITCHELL DRILLING CONTRACTORS

BY John K. Mitchell

Mina R. McNamee  
Notary Public

My Commission Expires

