

Company RICHARD JACKSON
 Address CHARLESTON, W. VA.
 Farm FRED GARDNER
 Tract _____ Acres 45 1/2 Lease No. _____
 Well (Farm) No. 13 Serial No. F1576
 Elevation (Spirit Level) 810
 Quadrangle CLENDENIN
 County KANAWHA District ELK
 Engineer PAUL E. JOACHIM
 Engineer's Registration No. 669
 File No. 68-63 Drawing No. _____
 Date JULY 13, 1957 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. KAN-1257-R

+ 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.

FRED GARDNER No. 13 (F1576) RICHARD JACKSON - KAN-1257-A



WV

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Alcedo
Permit No. 1257A

WELL RECORD

Oil or Gas Well _____ (KIND)

Company South Penn Nat'l Gas Co. (Wilhelm & Jackson)
 Address Hamlin, West Virginia
 Farm Fred Gardner Acres 45 1/2
 Location (waters) _____
 Well No. 13 Elev. 810
 District Elk County Kanawha
 The surface of tract is owned in fee by Fred Gardner
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced _____
 Drilling completed _____
 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 _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			<u>EM</u>
10			Size of _____
8 1/4	<u>530'</u>	<u>530'</u>	
6 5/8	<u>1610'</u>	<u>1610'</u>	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

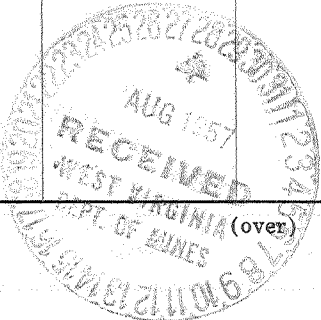
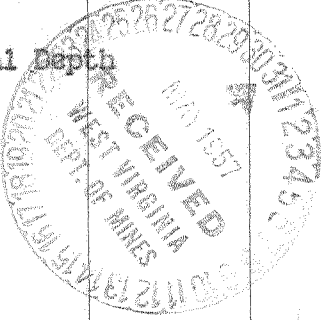
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Conductor				<u>15</u>			
Mud, Sand & Slate			<u>215</u>				
Coal			<u>215</u>	<u>220</u>			
Sand and Slate			<u>220</u>	<u>345</u>	<u>Water 300'</u>		
Coal			<u>345</u>	<u>348</u>			
Line and Slate			<u>348</u>	<u>885</u>			
SALT SAND			<u>885</u>	<u>1375</u>	<u>Water 995'</u>		
Slate			<u>1375</u>	<u>1400</u>			
MAXON SAND			<u>1400</u>	<u>1520</u>			
Slate			<u>1520</u>	<u>1524</u>			
Little Line			<u>1524</u>	<u>1574</u>			
Pencil Cave			<u>1574</u>	<u>1580</u>			
BIG LINE			<u>1580</u>	<u>1735</u>			
BIG INJUN			<u>1735</u>	<u>1745</u>			
Red Rock, Slate & Sand			<u>1745</u>	<u>1828</u>			
SQUAW SAND			<u>1828</u>	<u>1849</u>			
Slate and Shells			<u>1849</u>	<u>1939</u>			
WEIR SAND			<u>1939</u>	<u>1998</u>			
Total Depth				<u>2000</u>			



Gas and Oil 1830'
Black Oil 1940'
Green Oil 1958-1969
Green Oil 1991'-1997'



DEC 6 1957