



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. Elev. 763' ROAD INTERSECTION

"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."

Company COLONIAL GAS CO. INC.
 Address 1596 KAN. BLVD EAST, CHARLESTON, W.VA.
 Farm EARL WORKMAN
 Tract 1 Acres 24.00 ^(of 250) Lease No. E. Workman
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 807.0
 Quadrangle RAVENSWOOD EC
 County JACKSON District UNION
 Engineer N. L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date FEB. 6 1971 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Jac-1265

+ 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 WELLS DIVISION 2

Rotary
Spudder
Cable Tools
Storage C. NOLL

Quadrangle Ravenswood

WELL RECORD

Permit No. Jac-1265

Oil or Gas Well Gas
(KIND)

Company <u>Colonial Gas Company</u> Address <u>1596 Kanawha Blvd., E., Charleston, W. Va.</u>	Casing and Tubing 16 13 10 - <u>3/4</u> <u>XX 5/8</u> 8 1/4 6 5/8 <u>XXX 1/2</u> 5 1/8 4 1/2 3 2	Used in Drilling 277 2200 5298	Left in Well 277 2200 5298	Packers Kind of Packer Size of Depth set Perf. top Perf. bottom Perf. top Perf. bottom
Farm <u>Earl Workman</u> Acres.....	Location (waters) <u>One (1)</u>	Elev. <u>819 KB</u>	District <u>Union</u> County <u>Jackson</u>	The surface of tract is owned in fee by..... Address.....
Mineral rights are owned by..... Address.....	Drilling commenced <u>2/17/71</u>	Drilling completed <u>3/24/71</u>	Date Shot..... From..... To.....	With.....
Open Flow /10ths Water in..... Inch /10ths Merc. in..... Inch	Volume <u>10,000,000</u> Cu. Ft.	Rock Pressure <u>2000</u> lbs..... hrs.	Oil..... bbls., 1st 24 hrs.	WELL ACIDIZED (DETAILS) <u>500 gal. MCA</u>
WELL FRACTURED (DETAILS) <u>Yes;</u> Well was fractured with <u>650 BBL</u> <u>Dowell J160 Chemical and water 26,000 lb. 20-40 Sand</u>	RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>160,000,000 CF Per day.</u>	ROCK PRESSURE AFTER TREATMENT <u>2075</u> HOURS <u>immediately</u>	Fresh Water <u>none</u> Feet	Salt Water..... Feet
Producing Sand <u>Newburg Sandstone</u>	Depth <u>5320 - 5330</u>			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	35			
Sand			35	50			
Shale			50	100			
Red Rock			100	250			
Shale			250	275			
Red Rock			275	325			
Sand			325	365			
Red Rock			365	390			
Sand			390	415			
Red Rock			415	460			
Sand			460	485			
Shale			485	490			
Red Rock			490	515			
Shale			515	530			
Red Rock			530	540			

RECORDED
APR 7 1971
DEPARTMENT OF MINES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			540	585			
Shale			585	615			
Sand			615	630			
Shale			630	1050			
Sand			1050	1200			
Shale			1200	1350			
Sand - SALT SAND?			1350	1560			
Shale			1560	1700			
Sand			1700	1765			
✓ Big Lime			1765	1865			
✓ Big Injun			1865	2005			
Shale			2005	2350			
✓ Berea			2350	2352			
Shale			2352	4544			
✓ Corniferous - 463			4544	4636			
✓ Oriskany			4636	4641			
Limestone & Dolomite - HELD. & SALINA			4641	5320			
✓ Newburg			5320	5330			
✓ Dolomite McKenzie			5330	5350			
				5350 TOTAL DEPTH			
				545			
CEMENTING RECORD:							
2/18/71 - 10-3/4" Casing @ 277 ft. cemented w/200 sx.							
3/1/71 - 8-5/8" casing @ 2200 ft. cemented w/150 sx.							
3/15/71 - 5-1/2" Casing @ 5297 ft. cemented w/150 sx.							

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)