

1.59 S 1.58 S
 0.89 W 0.88 W
 9-NE(H-S)

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"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."
 Minimum degree of accuracy is one part in 200

Signed W. S. Grady
 SURVEYOR

(N. B. No. 93 Pg. 70)

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON, W. VA.		
FARM	WILLIAM O. HALL ETAL		
MAP	OV 25	ACRES	220
			LEASE NO. 2424
WELL (FARM) NO.	1	SERIAL NO.	740
ELEVATION (SPIRIT LEVEL)	924.9		
QUADRANGLE	RIPLEY S.W.		
COUNTY	JACKSON	DISTRICT	RIPLEY
POINT OF PROVEN ELEVATION	U.S.G.S. DATUM		
NOTE: Rig Floor Elev. will be run, after Location has been graded.			
FILE NO.	DRAWING NO.		
DATE	MARCH 10, 1965		SCALE 1" = 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. JAC-1088

+ 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.

6-4 311 Deep well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 5

Rotary
Spudder
Cable Tools
Storage

12-21-65
65

Quadrangle Ripley S.W.

WELL RECORD

Permit No. Jac 1088

Oil or Gas Well Gas
(KIND)

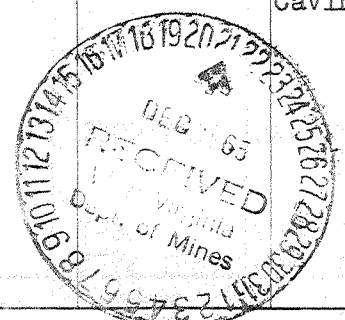
Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1433, Charleston, W. Va.
Farm William O. Hall et al Acres 220
Location (waters) Mill Creek
Well No. 740 Elev. 927.13
District Ripley/ County Jackson
The surface of tract is owned in fee by William O. Hall
25-1/2 Lewis Road Address Circleville, Ohio
Mineral rights are owned by William O. Hall- Mrs.W.E.
4706 Virginia Ave.S.E Address Walker
Charleston, W. Va. March 24, 1965
Drilling commenced August 4, 1965
Drilling completed August 4, 1965
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 1,391,000 Cu. Ft.
Rock Pressure 1680 lbs. 72 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED July 31, 1965 624 bbl. water 30,000 lbs. sand

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	19' 8"	19' 8"	
13	747'		
10 -3/4	1301' 8"	1301' 8"	Size of
8 5/8	2259'	2259'	
7"	5047' 9"	5047' 9"	Depth set
4-1/2	5213' 8"	5213' 8"	
3			Perf. top <u>5173' 7"</u>
2-3/8" tubing	5180' 7"	5180' 7"	Perf. bottom <u>5180' 7"</u>
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date
10 bags behind 8" casing, 15 bags behind 4-1/2" casing.
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES
WELL FRACTURED July 31, 1965 624 bbl. water 30,000 lbs. sand

RESULT AFTER TREATMENT 189,000 cu. ft. before frac. 1,391,000 cu. ft. after frac
ROCK PRESSURE AFTER TREATMENT 1680
Fresh Water 411-419 Feet 450-460, 850-860 Salt Water 1485 - 1492 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
surface			0	35			
Blue slate			35	45			
red mud			45	125			
slate			125	155			
sand			155	165			
slate			165	270			
red rock			270	305			
White slate			305	365			
red rock			365	400			
sand - <u>100 p.p.t. Sand?</u>			400	479	Water	411-419	1/4 bailer per hr
red rock			479	522	Water	450-460	4 bailers per hr.
slate & shells			522	532			
sand			532	558			
slate			558	605			
sand			605	624			
slate & shells			624	845			
sand			845	887	Water	850-860	1 bailer per hr.
Red mud			887	900			
slate			900	933			
sand			933	953			
Red rock			953	990			
sand			990	1010			
Blue slate			1010	1025			
sand			1025	1045			
slate & shells			1045	1157			
sand			1157	1185			
slate & shells			1185	1290			
lime-shell			1290	1304			
slate & shells			1304	1480			



Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
nd (settled)			1480	1500	Water	1485-1492	Hole full
ate - shells			1500	1650		1485	Settling sand
nd			1650	1665			
ate - shells			1665	1848			
IT SAND			1848	1917		1900-1911	Settling sand
ate			1917	1955			
IT SAND			1955	2024			
G LIME			2024	2105			
ate - shells	340		2105	2128			
JUN SAND			2128	2175			
ate			2175	2256			
me - shells			2256	2264			
ate - shells			2264	2570			
own Shale			2570	2590			
REA SAND			2590	2595			
ate - shells			2595	3825			
BROWN SHALE - 441			3825	3883			
ate - shells			3883	4088			
BROWN SHALE			4088	4190			
ate - shells			4190	4230			
BROWN SHALE			4230	4380	Gas	4230	14,000 cu. ft.
lite shells			4380	4785			
BROWN SHALE			4785	4885			
LITE SLATE			4885	4920			
BROWN SHALE			4920	5042			
ORNIFEROUS LIME - 463			5042	5143			
RISKANY SAND			5143	5184	Gas	5149-5155	Show
me			5184	5194	Gas	5150-5160	2/10 W - 1"
nd			5194	5212	Gas	5171	2/10 W - 1"
me			5212	5220	Gas	5172-5176	20/10 W - 2" 189,000 cu. ft.
					Gas	5212	5/10 W - 2"
		TOTAL DEPTH		5220			
				485			
					Logged by Birdwell - July 20, 1965		
					Final Gauge: 1,391,000		cubic feet after frac

Date December 20, 1965

APPROVED COMMONWEALTH GAS CORPORATION Owner

By [Signature] and [Signature] Dept.