

- New Location.
- Drill Deeper.....
- Redrill.....
- Abandonment.....

~~2.53 S.~~ 2.50-S
~~2.38 W.~~ 2.37-W
 1-C (K-1)

SURVEY DEC. 15, 1959. - W.S. GRAVELY - NOTE BOOK No. 86 PAGE 67

Company	COMMONWEALTH GAS CORPORATION		
Address	P.O. BOX 1433 CHARLESTON, W.VA.		
Farm	MAXIE MCGEE		
Tract	Acres	Lease No.	
	64	1936	
Well (Farm) No.	1	Serial No.	662
Elevation (Spirit Level)	624.74'		
Quadrangle	LOUISA-N.E.		
County	WAYNE	District	BUTLER
Engineer	G.H. HALL		
Engineer's Registration No.	2602		
File No.	Drawing No.		
Date	DEC. 22, 1959	Scale	1" = 660'

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

WELL LOCATION MAP
 FILE NO. WAY-1252 - 1

+ 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 269 Deep Well



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

Quadrangle Louisa N. E.

Permit No. Way-1252

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1433, Charleston 25, W. Va.
Farm Maxie McGee Acres 6 1/2
Location (waters) Black Fork of Gragston Creek
Well No. 662 Elev. 624.74'
District Butler County Wayne
The surface of tract is owned in fee by Maxie McGee
Route #2 Address Prichard, W. Va.
Mineral rights are owned by Same
Address _____

Drilling commenced January 1, 1960
Drilling completed February 20, 1960
Date Shot 2/9 & 16/60 From 1833 To 1858
With 1st shot-1000# powder; 2nd shot-6150# powder

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 60,000 Cu. Ft.
Rock Pressure 380 lbs. 2 1/2 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
18	21'	21'	
10	39' 3"	39' 3"	Size of _____
10 10"	322' 3"	322' 3"	Cage set at 1840'
8 8"	1406'	1406'	Depth set _____
5 3/16			
3			Perf. top 1856' 6"
2	1868'	1868'	Perf. bottom 1868'
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

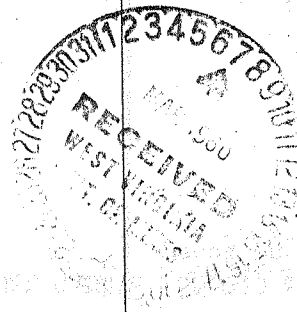
WELL FRACTURED _____

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 35 Feet 50 - 470 Salt Water 745 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	5			
Gravel			5	10			
Blue Mud			10	30			
Sand			30	35			
Black Slate			35	45	Water	35	Small amount.
White Mud			45	110	Water	50	Hole full.
Sand			110	130			
White Slate			130	178			
Sand			178	186			
Slate			186	195			
Sand			195	215			
Blue Slate			215	248			
Sand			248	278			
Slate			278	296			
Sand			296	325			
White Slate			325	365			
Black Slate			365	385			
White Slate			385	455			
Black Slate			455	470			
Sand			470	485	Water	470	1 bailer per hr.
Slate			485	535	Oil	470	Show.
Sand			535	560			
Slate & Shells			560	598			
Sand			598	630			
White Slate			630	655			
Sand			655	670			
Slate & Shells			670	745			
SALT SAND			745	902	Water	745	Hole full.
Black Slate			902	998			
MAXON SAND			998	1027			



(over)

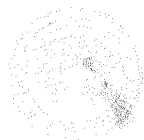
Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
LITTLE LIME			1027	1047			
BIG LIME			1047	1198			
KEENER SAND			1198	1215			
INJUN SAND			1215	1399			
Shell			1399	1430		1402	S. L. M.
Blue Slate			1430	1785			
Shell			1785	1803			
Brown Shale			1803	1833		1834	S. L. M.
PEREA SAND			1833	1858	Gas	1838-1840	3/10 W - 2" 73,000 cu. ft.
Lime Shell			1858	1869			Blew down to 40,000 cu. ft.
Total Depth				1869			
					FINAL GAUGE:	60,000 cu. ft.	after 2nd shot in Perea Sand.

FACT RECORD

Date March 3, 19 60

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By W. S. Gravely, Land & Eng. Dept.
(Title)



WELL DEEPENED FROM 1850' to 3944'

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 17

Quadrangle Louisa N. E.

Permit No. Way-1252

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1433, Charleston, W. Va.
Farm Maxie McGee Acres 64
Location (waters) Black Fork of Cragston Creek
Well No. 662 Elev. 624.74'
District Butler County Wayne
The surface of tract is owned in fee by Maxie McGee
Route #2 Address Prichard, W. Va.
Mineral rights are owned by Same
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	21'	21'	
10	322' 3"		Size of
8 1/4	1933'	474'	
6 5/8	3146'	3146'	Depth set
5 3/16			
3	3712' 8"		Perf. top
2			Perf. bottom
Liners Used 5"	150'	150'	Perf. top
			Perf. bottom

Deepening
Drilling commenced May 8, 1961
Drilling completed September 23, 1961
Date Shot See over From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 500 lbs. 72 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

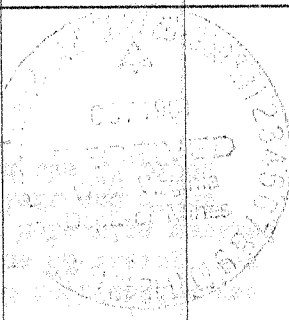
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

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
DRILLED DEEPER FROM							
Lime Shell			1858	1874			
White Slate			1874	1899			
Shell			1899	1908			
Blue Slate			1908	1965			
Shell			1965	1975			
Black Slate			1975	2015			
White Slate			2015	2190			
BROWN SHALE			2190	2280			
Gray Slate			2280	2313			
BROWN SHALE			2313	2610			
Gray Slate			2610	2816			
BROWN SHALE			2816	2844			
CORNIFEROUS LIME			2844	3555	Gas	3024'	Show
BIG SIX			3555	3578	Water	3024'	2/3 bailer p.M
Green-gray slate			3578	3585		3111'	S.L.M.
Red Rock			3585	3722	Gas	3474'-3478'	Show.
Gray Shell			3722	3760	Gas	3523-3528	6/10 W - 1" = 26 M
Lime Shell			3760	3778		3535'	S.L.M.
Red Rock			3778	3825			
Red Shells			3825	3862			
Gray Shell			3862	3915			
CLINTON SAND			3915	3935	Gas	in Clinton	33 MCF
White Slate			3935	3944		- 3867'	S.L.M.
TOTAL DEPTH				3944			

2844
625

2219



Over →

Formation	Color	Hard or Soft	Top 27	Bottom	Oil, Gas or Water	Depth Found	Remarks
							<p>Drilled through Clinton Sand to Total Depth of 3944'. Filled back to Clinton Sand - 3935'. Shot Clinton Sand 8-22-61 (3915 to 3935) with 96 quarts of solidified glycerine. Bridged 1600' from top of hole. Drilled bridge out, and two hours after shot well was making 11/10 W in 1" (34,000 cu. ft.). Filled back from 3955' to 3876 with red mud and rock. Ran 3 bags of cement. 3870 to 3860 with five feet of crushed rock to 3855. Filled with red mud and rock 3535.</p> <p>Shot 8-26-1961 with 600 lbs. of gelatin from 3475 to 3535. Well gauged 29,000 cu. ft. before shot, and 60,000 cu. ft. 25 hours after shot. Cleaned out and shot second time from 3475 to 3535 with 6,025 lbs. of gelatin. 28 hours after tamp was drilled off second shot well was producing 94,000 cu. ft. Shot in at 94,000 cubic feet.</p> <p>Note: Before starting to deepen this well, the 8 inch casing was pulled and the hole was reamed through the Berea sand. The 8" casing was run back with 40 bags of Aquagel. After making 8' of new hole pipe rattled 19 inches and started to leak. 8" pipe was pulled. Ran left and right nipple at 418' 2" 2" 2" long. Ran 50 bags cement behind the 8" pipe. Pulled 8" out above nipple.</p>

Date October 26, 19 61

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By W. R. Gravel
(Title) Land & Eng. Dept.