

I, THE UNDERSIGNED, DO 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 & GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA.

SIGNED: Gordon W. Simmons  
NOV. 6-1963

Longitude 80° 35'  
128.58  
0.07  
CLARENCE E. THOMAS NO. 1

New Location   
Drill Deeper   
Abandonment

Company UNION CARBIDE-CORP.-CLEFIN'S DIVISION  
 Address P.O. BOX 8004 SOUTH CHARLESTON - W. VA.  
 Farm CLARENCE E. THOMAS  
 Tract \_\_\_\_\_ Acres 128.58 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1314  
 Quadrangle CAMERON - NC  
 County MARSHALL District WEBSTER  
 Engineer Gordon W. Simmons  
GORDON W. SIMMONS  
 Engineer's Registration No. 509  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Nov-6-1963 Scale 1" = 500'

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

WELL LOCATION MAP  
FILE NO. MARS-518

+ 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 24

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Cameron

Permit No. MARS-518

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Union Carbide Corp., Olefins Div.  
Address P. O. Box 8004, So. Chas., W. Va.  
Farm Clarence E. Thomas Acres 128.58  
Location (waters) Wolf Creek  
Well No. 1, Serial No. 18-50 Elev. 1314' Gr. 1317' DF  
District Webster County Marshall  
The surface of tract is owned in fee by Clarence E. Thomas Address RFD # 4, Oyster Rd.  
Mineral rights are owned by Alliance, Ohio Address Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8"	20'	20'	
10 3/4"	154'11"	154'11"	Size of
8 1/2"	1256'11"	1256'11"	
6 3/4"	1773'	1773'	Depth set
5 3/16"			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced November 20, 1963  
Drilling completed January 30, 1964  
Date Shot From To  
With  
Open Flow 60 /10ths Water in 2 1/2" Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 379,448 Cu. Ft.  
Rock Pressure 485# lbs. 24 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 715 FEET 36 INCHES  
792 FEET 96 INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT No treatment

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water 92-97 Feet 1560 Salt Water 1560 Feet 1632

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Brown	S	0'	7'			
Clay	Gray	S	7	14			
Clay	Pink		14	18			
Shell	Gray	H	18	23			
Clay	Gray	H	23	45			
Clay	Brown		45	92			
Shale	Gray		92	101	Water	92-97	2 BPH
Shale	Pink		101	115			
Shale	Brown		115	125			
Sand			125	130			
Shale	Blue		130	156			
Shale	Pink		156	159			
Sand			159	166			
Shale	Dark		166	195			
Sandy Lime	Gray	H	195	235			
Shale	Gray		235	245			
Lime, Sandy		H	245	260			
Shale & Shells			260	273			
Shale	Pink		273	277			
Lime	Gray		277	290			
Shale	Pink		290	300			
Lime & Shale			300	315			
Sandy Lime	White		315	357			
Shale	Pink		357	360			
Lime	White	H	360	370			
Shale			370	396			
Slate			396	410			
Sandy Lime & Shells			410	430			



Formation	Color	Hard or Soft	Top $\pm$ 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	Gray		430	436			
Lime		H	436	446			
Shale	Gray		446	455			
Lime & Shells			455	464			
Shale	Gray		464	490			
Sand		H	490	515			
Slate	Dark		515	519			
Lime			519	528			
Shale			528	532			
Sandy Lime			532	540			
Shale			540	555			
Lime		H	555	585			
Shale	Gray	S	585	610			
Lime			610	615			
Shale & Lime			615	669			
Shale & Shells			669	705			
Lime		J	705	715			
Mapletown Coal			715	718			
Shale			718	730			
Lime Shells			730	740			
Lime			740	760			
Shale			760	782			
Lime			782	788			
Slate			788	792			
Pittsburgh Coal			792	800			
Lime & Shells			800	832			
Lime			832	845			
Shale			845	865			
Shale	Red		865	870			
Lime			870	880			
Shale	Red		880	885			
Lime			885	892			
Shale	Red		892	912			
Lime		H	912	916			
Shale			916	922			
Shale	Red		922	963			
Broken Lime			963	985			
Shale	Red		985	992			
Shale			992	1008			
Shale	Red		1008	1017			
Lime		H	1017	1023			
Shale	Red		1023	1055			
Shale			1055	1068			
Shale	Red		1068	1076			
Lime			1076	1103			
Shale			1103	1110			
Sandy Lime			1110	1135			
Shale			1135	1140			
Shale	Red		1140	1155			
Sandy Lime			1155	1173			
Shale	Red		1173	1185			
Broken Lime			1185	1215			
Slate			1215	1220			
Shale			1220	1253			
Big Dunkard			1253	1282			
Broken Lime			1282	1327			
Sandy Lime			1327	1340			
Lime			1340	1362			
Broken Lime & Shells			1362	1379			
Lime			1379	1395			
Shale			1395	1404			
Gas Sand			1404	1470			

Date Feb 3, 1964

APPROVED Union Carbide Corp., Olefins Division

By K R Gonnell  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION **24A**  
Page 2

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Cameron  
Permit No. MARS-518

**WELL RECORD**

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Union Carbide Corp., Olefins Div.  
Address \_\_\_\_\_  
Farm \_\_\_\_\_ Acres \_\_\_\_\_  
Location (waters) \_\_\_\_\_  
Well No. \_\_\_\_\_ Elev. \_\_\_\_\_  
District \_\_\_\_\_ County \_\_\_\_\_  
The surface of tract is owned in fee by \_\_\_\_\_  
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 \_\_\_\_\_

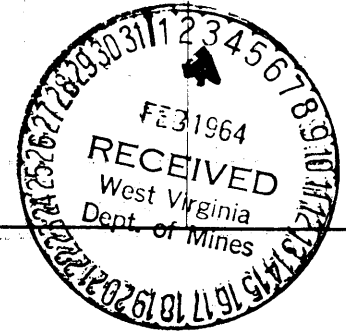
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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
Cont.							
Slate			1470	1482			
Lime			1482	1490			
Shale			1490	1505			
Lime Shells			1505	1530			
Shale	Gray	S	1530	1554			
1st Salt Sand			1554	1564	Water	1560'	6 BPH
Slate			1564	1576			
Lime	White	H	1576	1583			
Slate	Dark		1583	1589			
Lime		H	1589	1600			
Sandy Lime			1600	1615			
2d Salt Sand			1615	1648	Water	1632'	HF
Clay			1648	1653			
Lime			1653	1675			
Shale			1675	1678			
Lime		H	1678	1685			
Shale			1685	1690			
Lime			1690	1703			
3d Salt Sand			1703	1757	Gas Water	1705-1707 1736	379 MCF HF
Shale			1757	1770			
Lime			1770	1775			
Slate			1775	1788			
Maxton Sand			1788	1829			
Lime			1829	1840			
Shale			1840	1860			
Lime			1860	1865			
Sand			1865	1878			

(over)



Formation	Color	Hard or Soft	Top 24"	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Black		1878	1891	1891 <del>1314</del> 577		
Big Lime			1891	1894			
Injun Sand			1894	2049			
Shale			2049	2053			
Injun Sand			2053	2130			
Shale			2130	2149			
Lime			2149	2151		2151 TD	
<p>NOTE: Well will be plugged back to 1770'; the 7" casing pulled and 4 1/2" casing cemented to 1770'. The well will then be completed in the Third Salt Sand.</p>							

Date February 3, 1964

APPROVED Union Carbide Corp., Olefins Div., Owner

By K. R. Gosnell  
K. R. Gosnell (Title) Dist. Prod. Engr.