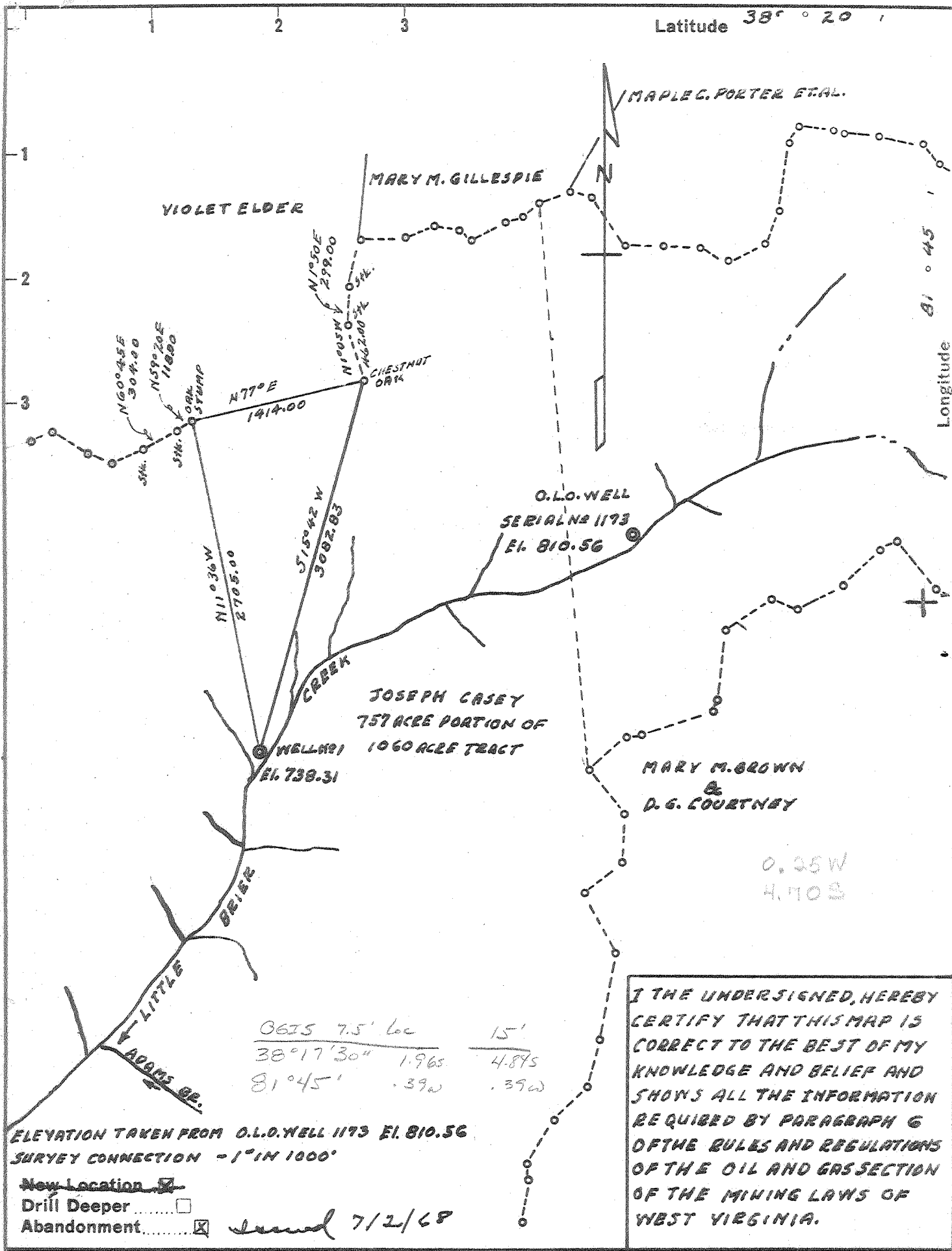


Latitude 38° 20'



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.

0625 7.5' Loc  
 38°17'30" 1.965  
 81°45' .39W

ELEVATION TAKEN FROM O.L.O. WELL 1173 EL. 810.56  
 SURVEY CONNECTION - 1" IN 1000'

New Location   
 Drill Deeper   
 Abandonment  *found 7/2/68*

Company UNION CARBIDE CORPORATION, OLEFINS DIV.  
 Address PO. BOX 8004 SO. CHARLESTON, W. VA.  
 Farm JOSEPH CASEY  
 Tract \_\_\_\_\_ Acres 757 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. 18-70  
 Elevation (Spirit Level) 738.31  
 Quadrangle SAINT ALBANS 3E  
 County KANAWHA District WASHINGTON  
 Engineer Geo. H. Miller  
 Engineer's Registration No. 1892  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MARCH 20 1965 Scale 1" = 1000 FT.

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

**WELL LOCATION MAP**  
 FILE NO. KAN-2040-DD-P

+ Denotes location of well on United States Topographic Maps, scale 1 to \_\_\_\_\_ 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 14

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle St. Albans

Permit No. KAN - 2040

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company Union Carbide Corp. Olefins Division  
Address Attn: K. R. Gosnell, P. O. Box 8004  
South Charleston, W. Va.  
Farm Joseph Casey Acres 757

Location (waters) Little Brier Creek  
Well No. 1, Serial No. 18-70 Elev. 738  
District Washington County Kanawha

The surface of tract is owned in fee by Joseph Casey  
4401 Kanawha Ave SE Address Charleston, W. Va.  
Mineral rights are owned by same

Address \_\_\_\_\_

Drilling commenced May 7, 1965

Drilling completed July 23, 1965

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 No

WELL FRACTURED No

RESULT AFTER TREATMENT None

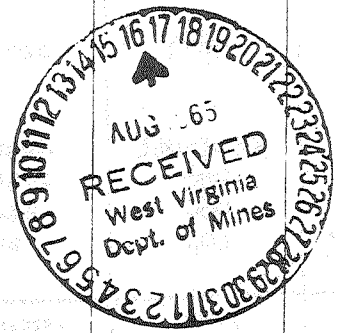
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water 7' Feet \_\_\_\_\_ Salt Water 896,946,990 Feet 1160

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	20'	20'	
13 3/8"	49'	49'	
10 3/4"	773.5'	773.5'	Size of
8 1/4"	1277.25'	1277.25'	Depth set
6 5/8"			
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
	FEET	INCHES	FEET

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Blue Mud			0	10	water	7'	
Gravel			10	15			
Sand			15	110			
Slate & Shells			110	170			
Sand			170	190			
Slate & Shells			190	225			
Sand			225	235			
Slate & Shells			235	255			
Sand			255	275			
Slate & Shells			275	284			
Lime	Black		284	300			
Slate & Shells			300	345			
Coal			345	347			
Sand			347	354			
Slate & Shells			354	375			
Sand			375	408			
Slate & Shells			408	427			
Lime			427	436			
Slate	Dark		436	446			
Slate & Shells			446	550			
Slate	Dark		550	560			
Gritty Lime			560	572			
Sand		Hard	572	610			
Slate & Shells			610	627			
Sand		Hard	627	765			
Slate & Shells			765	820			
Gritty Shells			820	834			



Formation	Color	Hard or Soft	Top /4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand - Salt			834	1026	Gas Water Water Water	864 896 946 990-1026	Show 2 Blrs/Hr Hole Full Hole Full
Lime Slate & Shells	Dark		1026 1060	1060 1130			
Sand - Salt Lime Lime Lime Red Rock Lime Slate & Shells	Red		1130 1260 1280 1285 1320 1320 1335	1260 1280 1285 1320 1335 1350	Water	1160	?
Little Lime Pencil Cave Lime Shale Big Lime Red Injun Gray Injun Slate & Shells Coffee Shale Berea Sand Slate & Shells		Hard	1350 1385 1410 1414 1417 1423 1500 1630 1630 1645 2075 2086 2093	1385 1410 1414 1417 1423 1590 1630 1645 2075 2086 2093 2142	Gas	1740-1743	Smell
				TD 2142			
Hole is temporarily abandoned with all casing remaining in the well.							

Date August 10, 1965

APPROVED Union Carbide Corp-Olefins Division Owner

By Kenneth R. Gosnell  
(Title)

K. R. Gosnell, Distr. Prod. Engr.



4/3/67  
Posted on maps  
CDM

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle St. Albans  
Permit No. KAN-2040 DD

WELL RECORD

Oil or Gas Well Dry (UNO)

Company Union Carbide Corp., Olefins Div.  
Address P. O. Box 8004, So. Charleston, W. Va.  
Farm Joseph Casey Acres 757  
Location (waters) Little Brier Creek ( 746 KB  
Well No. 1, Serial No. 18-70 Elev. 738 Gr.  
District Washington County Kanawha  
The surface of tract is owned in fee by Joseph Casey  
4401 Kan. Ave., S.E. Address Charleston, W. Va.  
Mineral rights are owned by Same

Address \_\_\_\_\_  
Drilling commenced October 14, 1966  
Drilling completed October 31, 1966  
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 \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	20.00'	20.00'	Kind of Packer
16 3/8"	49.00	49.00	Size of
13 3/4"	773.50	773.50	Depth set
10 3/4"	1277.25	1277.25	Perf. top 5274
8 1/2"	2092.10	2092.10	Perf. bottom 5275
6 1/2"			Perf. top 4-Way Jc
5 3/16"			Perf. bottom
4 1/2"	5307.34	5307.34	
2"			
Liners Used			

CASING CEMENTED 7" SIZE 700 No. Ft. 12/12/66 date  
4 1/2" - 400' - 11/2/67

COAL WAS ENCOUNTERED AT 345 FEET 24 INCHES  
\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED 11/22/66 15,000# 20-40 sand; 11,000# 20-40 beads -- No results  
2/16/67 1,000# 20-40 sand w/RA Tracer - No results 3/8/67 15,000# 20-40 sand

RESULT AFTER TREATMENT None

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

Fresh Water 7' Feet \_\_\_\_\_ Salt Water 896, 946, 990 Feet 1160'

Formation	Color	Hard or Soft	Top'	Bottom'	Oil, Gas or Water	Depth	Remarks
			Previous Depth 2142' - Depths based on KB				
Shale			2142'	2170'			
Sand & Shale			2170	2660			
Shale			2660	4512			
Corniferous			4512	4603			
Oriskany			4603	4615			
Lime - <u>Helderberg &amp; Cayuga</u>			4615	5268	Sour Gas	4785	No test
<u>Newberg Sand</u>			5268	5290	Black Water	5130	
<u>Dolomite - McKenzie</u>			5290	5330			
				5330 TD			
				2142			
				5130			
Air drilled 2142-5100, Mud 5100 to T.D. Lost circulation 5216.							
Well to be plugged later.							

