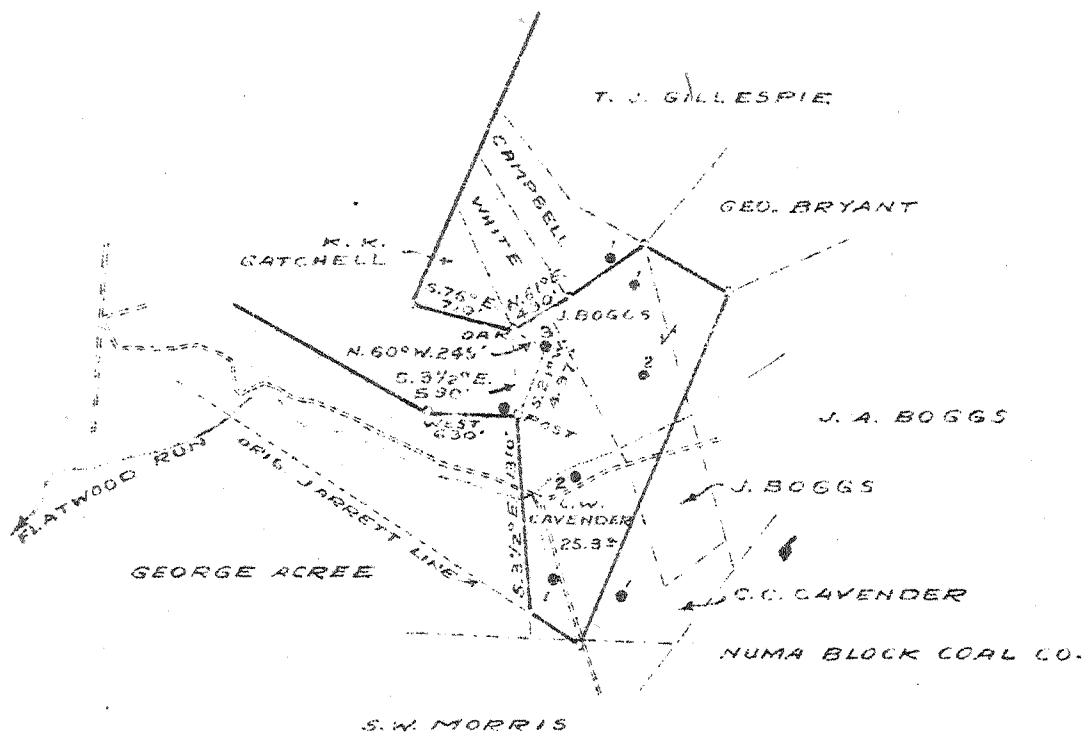


M.C. - SEPT. 1945



0.75 S
2.95 W

New Location
 Drill Deeper X
 Abandonment

4 NC (J-6)

Company EMPIRE PETROLEUM CO.
 Address BOX 273 CHARLESTON W.VA.
 Farm C. W. CAVENDER
 Tract _____ Acres 25.3 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 981.5 GROUND
983.9 RIG FLOOR
 Quadrangle CLENDENIN 4-075-296
 County KANAWHA District ELK
 Engineer J. M. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. 346
 Date SEPT. 11, 1945 Scale 1" = 1320

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

WELL LOCATION MAP
 FILE NO. KAN 1248-D

+ 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 map.

Deep Well

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Kan 1248		Gas Well
Clendonin Quad.		CASING & TUBING
Company	Columbian Carbon Company	
Address	Box 873, Charleston 23, W.Va.	5½ 17# 5170'1 Same
Farm	C.W. Cavender Acres 25.3	
Location	Flatwood Run	No coal
Well No.	3 (GW-877) Elev. 983.9 DF	
District	Elk Kanawha County	
Surface		
Mineral		
Commenced	Deeper 10-12-45	
Completed	" 12-18-45	
Not shot		
Volume	5,257,000 C.F.	
Rock Pressure	1850 lbs. 13 days	

DRILLED DEEPER

Old Depth (slate)	2071	2079
-------------------	------	------

DRILLED DEEPER

Slate & Shells	2079	2150	
Lime	2150	2180	
Slate & Shells	2180	3948	
Brown Shale	3948	4010	
Slate & Shells	4010	4025	
Brown Shale	4025	4040	
Slate & Shells	4040	4160	
Drill Shale	4160	4200	
Slate & Shells	4200	4890	
Black Lime	4890	5048	
Black Slate	5048	5132	SLM
Corniferous Lime	5132	5239½	SLM
5245 DLM-5239½	SLM		
Oriskany Sand	5239½	5257	Gas Pays: 5256 to 5256½'

CEMENT RECORD

12-5-45 5½ Casing. Ran 50 sacks Aquagel thru tubing-5½" casing floated in. Aquagel mixed 4% with Libertex- did not circulate at any time. C.C.Crow

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Kan 1248 D			Gas Well
Clendenin Quad.			CASING & TUBING
Company	Columbian Carbon Company		
Address	Box 873, Charleston 23, W.Va.	Liners used	
Farm	C.W. Cavender Acres 25.3	3½ 31'3 31'3	
Location	Flatwood Run		
Well No.	2 GW-877 Elev. 983.9 DF	Casing cemented;	
District	Elk Kanawha County		
Surface	H. McClintic, Rec.	No additional casing	
Mineral	Chas. Nat'l. Bldg., Chas. 1, W.Va.	run	
Commenced	Deeper Same		
Completed	" 10-29-49	No coal	
Date shot	11-12-49		
Open flow	11-12-49 Depth 5244-5294'		
Volume	with 344# 80% Atlas Gelatin		
Rock Pressure	10/10ths M in 2"		
	492,000 C.F.		
	195 lbs. 5 days		

DRILLED DEEPER

JAN 14 1951

Old total depth		
Oriskany	5239½	5257
Drilled deeper		
Oriskany	5257 SLM	5296 SLM
Lime	5296 SLM	5304 SLM
Oriskany 5315' DLM-5305' SLM	5304 SLM	5328 SLM
Lime	5328 SLM	5335 SLM

Drilled Deeper Pays:
5257-62 64/10 W 1" 84,320 C.F.
5267-68 65/10 W 1" 84,990 C.F.
5281-84 110/10 W 2" 442 MCF

T.D. 5335 SLM



WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

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Clendenin Quad.		CASING & TUBING
Company	Columbian Carbon Company	
Address	Box 873, Charleston 23, W.Va.	Liners used
Farm	C.W. Cavender Acres 25.3	3½ 31'3 31'3
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Well No.	2 GW-877 Elev. 983.9 DF	Casing cemented;
District	Elk Kanawha County	
Surface	H. McClintic, Rec.	No additional casing
	Chas. Nat'l. Bldg., Chas. 1, W.Va. run	
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 5281-84 110/10 W 2" 442 MCF

T.D. 5335 SLM



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. KAN-1248

S-71 W-19

Oil or Gas Well Oil

Company Empire Petroleum Company
Address (Part Interest)
Farm C. W. Cavender Acres _____
Location (waters) _____
Well No. 3 Elev. _____
District Elk County Kanawha, W. Va.
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced January 17, 1917
Drilling completed March 6, 1917
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 10 bbls., 1st 24 hrs.
Fresh water 200' 8 blrs. 1 hreet feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	14	14	Size of
8 1/4	560	pulled	steel shoe
6 1/2	1666	1666 w/	Depth set
5 3/16			
3			Perf. top
2	2100	2100	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____

COAL WAS ENCOUNTERED AT _____ FEET _____ IN
_____ FEET _____ INCHES _____ FEET _____ IN
_____ FEET _____ INCHES _____ FEET _____ IN

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			0	120			
Sand			120	180			
Slate			180	105			
Coal			105	107			
Slate			107	480			
Sand			480	580			
Slate & Shells			580	880			
Slate			880	935			
Salt sand			935	1455			
Slate			1455	1457			
Red Rock			1457	1462			
Slate & Shells			1462	1550			
Red Rock			1550	1560			
Maxon Sand			1560	1580			
Lime			1580	1590			
Slate & Shells			1590	1617			
Little Lime			1617	1647			
Slate			1647	1650			
Lime Shell			1650	1656			
Pencil Cave			1656	1658			
Big Lime			1658	1824			
Slate			1824	1834	Gas	1820'	show
Sand			1834	1925	Gas	1920'	show
Weir Sand			1925	2071	Oil	1960'	
Slate			2071	2079	Oil	1992'	
TOTAL DEPTH				2079'			

