



35795
35050

New Location X
 Drill Deeper
 Abandonment

Company	DIAMOND ALKALI COMPANY		
Address	CLEVELAND, OHIO		
Farm	RED HOUSE FARMS		
Tract	2	Acres	335.1± Lease No. FEE
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	581.43 GROUND		
Quadrangle	WINFIELD		
County	PUTNAM	District	UNION
Engineer	<i>Harold W. Field</i>		
Engineer's Registration No.	651		
File No.		Drawing No.	
Date	APRIL 21, 1948 Scale 1" = 500'		

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

WELL LOCATION MAP
 FILE NO. PUT-389-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 tracing.

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

Permit No. Put 389		Brine Well
Winfield Quad.		CASING & TUBING
Company	Diamond Alkali	
Address	Cleveland, Ohio	16 60 60
Farm	Red House Farms A 335-	10 698
Location	Kanawha River	0 1529 1529
Well No.	1 Elev. 581.43	
District	Union Putnam County	Coal at 308'
Surface	Diamond Alkali Co., Cleveland, Ohio	
Mineral	Same	B.H. Packer
Commenced	July 20, 1948	Size 8"
Completed	Dec. 29, 1948	Depth 1529
Date shot	9-17-48 Depth 1710 to 1760	
	with nitroglycerine	Casing cemented:
Fresh Water	52'	8 5/8" 30' Dec. 15, 1948
Salt Water	440 1/4 blr. per hr. ; Brine 1280 1 blr. hr.	
	Brine 1306 H.F.; Brine 1712; Brine 1720 H.F.	

Surface	0	43
Water Sand	43	48
Sand	48	50
Blue Clay	50	52
Sand & Gravel	52	58
Sand	58	88
Red Rock	88	100
Blue Slate	100	120
Red Rock	120	195
Blue Shale	195	228
Red Rock	228	265
Blue Slate	265	275
Red Rock	275	280
Blue Slate	280	308
Coal	308	312
White Slate	312	320
Sand	320	330
Slate	330	340
Red Rock	340	387
White Slate	387	425
Sand	425	460
Slate & Shells	460	495
Sand, Slate, Shells	495	578
Slate	578	698
Shells	698	700
Slate	700	715
Sand	715	805
Slate & Shells	805	830
Slate	830	840
Sand	840	880
Slate & Lime Shells	880	905
Sand	905	928
Black Slate	928	994
Sand	994	1032
Slate	1032	1124
Sandy Lime	1124	1134
Sand	1134	1175
Slate	1175	1210
Slate & Shells	1210	1225
Sand	1225	1455
Slate	1455	1457
Sand	1457	1472
Little Lime	1472	1494
Slate	1494	1496
Lime	1496	1507
Sandy Lime	1507	1514
White Lime	1514	1650
Sandy Lime	1650	1698
Slate	1698	1712
Injun Sand	1712 SL	1772 SL
Slate	1772	
Total Depth		1787



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Winfield
Permit No. Put-389 - D

Oil or Gas Well Gas

Company Spartan Gas Company
Address 518 Kanawha Valley Bldg., Chas., W. Va.
Farm Diamond Alkali Company Acres 335
Location (waters) Kanawha River
Well No. 1 - S-95 Elev. 584 DF
District Union County Putnam
The surface of tract is owned in fee by Diamond Alkali Company Address Cleveland, Ohio
Mineral rights are owned by Diamond Alkali Company Address Cleveland, Ohio
Drilling commenced January 22, 1953
Drilling completed March 7, 1953
Date Shot 3/11/53 From 3180 To 3777
With 6000 lbs. 5 x 16 Gelatin
Open Flow 6 /10ths Water in 1" B.S. Inch
/10ths Merc. in _____ Inch
Volume 327 M. (27 hrs. A.S.) Cu. Ft.
Rock Pressure 880 lbs. 24 hrs.
Oil Show 2199 - 2203 bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Patterson</u>
13			<u>aco Hookwall</u>
10			Size of <u>2 x 6</u>
8 3/4			
8 7"	1798	1798	Depth set <u>2468</u>
5 3/16			
3			Perf. top <u>3630</u>
2	3745	3745	Perf. bottom <u>3691</u>
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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
For first part of record, see Permit Put. 389.				This well originally drilled by Diamond			
Alkali Company as an Injun Sand brine well.							
Original Total Depth			1787				
Sandy Lime			1787	2020	Gas	1844-1850	22/10 W 1"
Soft Muddy			2020	2070			Declined to
Lime			2070	2080			3/10 W 1"
Gray Slate			2080	2124			
Lime			2124	2132			
Slate			2132	2170			
Brown Shale			2170	2192			
Berea Sand			2192	2217			
Slate			2217	2220			
Lime			2220	2226			
Slate			2226	2298			
Lime			2298	2305			
Slate			2305	3385			
BROWN SHALE			3385	3470			
Slate			3470	3550			
BROWN SHALE			3550	3650	Gas	3625-3637	2/10 W 1"
Slate			3650	3685	Gas	3650-3658	6/10 W 1"
BROWN SHALE			3685	3770			
Slate			3770	3780			
TOTAL DEPTH				3780			
1 Hour After Shot						46/10 W 3"	
2 " "						" 26/10 W 3"	
3 " "						" 130/10 W 2"	
19 " "						" 60/10 W 2"	
27 " "						" 60/10 W 2"	

