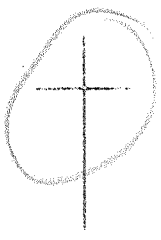


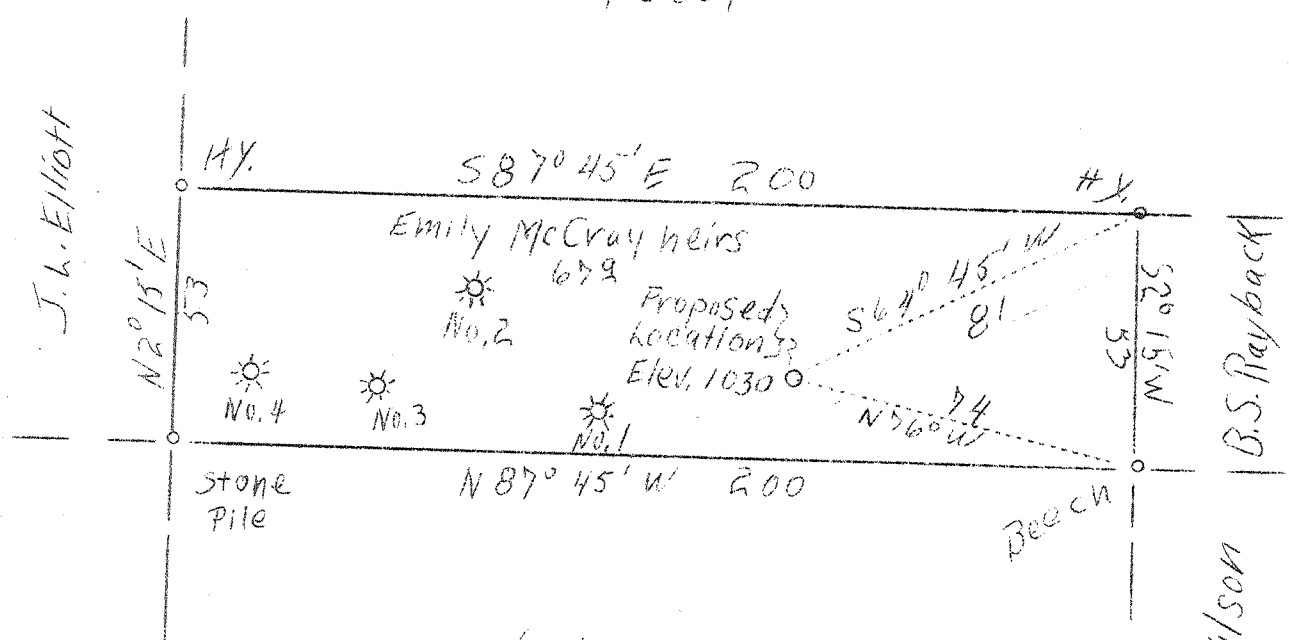
711

LATITUDE 39° 05'

LONGITUDE 81° 05'



W.M. Cooper



W.W. Cunningham

3.49W
4.038

Ellen Wilson

Company Richter Oil Co.
 Address Brohard, W.Va.
 Farm Emily McCray Heirs
 Tract 1 Acres 67 Lease No. _____
 Well (Farm) No. 5 Serial No. _____
 Elevation (Spirit Level) 1030
 Quadrangle Harrisville 50.
 County Calhoun District Sheridan
 Engineer Logan McDonald
 Enginner 's Registration No. 610
 File No. _____ Drawing No. _____
 Date Mar. 28, 1938 Scale 1"=40 Rods.

STATE OF WEST VIRGINIA
 Department of Mines
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 File No. Cal-42 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.

6-6-120

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Cal-462

Oil Well

Harrisville Quad.

CASING & TUBING

Company	Richter Oil Co.	13	9	9
Address	Brohard, W. Va.	10	545	
Farm	Emily McCray Heirs ACRES 65	8-1/4	1110	
Location	Three Mile	6-5/8	1675	1675
Well No.	5 EDEV. 1030	2		1887
District	Sheridan County Calhoun			
Surface & Mineral	Emily McCray Hrs., A. B. McCray Adm., Brohard, W. Va.			
Drilling commenced	April 29, 1938			
Drilling completed	May 24, 1938			
Date shot	5-28-38 Depth 1888			
Open Flow	-			
Volume	-			
Oil	20 bbls. 1st 24 hrs.			
Fresh Water	-			
Salt Water	1887 - 1888'			

Formation Color ^{Top} Base Result Formation Color ^{Top} Base Result

Formation	Color	^{Top}	Base	Result	Formation	Color	^{Top}	Base	Result	
Surface	yel.	s	0	6	Slate				1768	1775
Yellow sand			6	75	Sand				1775	1787
Slate	white		75	100	Slate	black			1787	1805
Red Rock	red		120	128	Salt Sand				1805	
Slate	white		128	163	Oil				1875	1887
Red Rock	red		163	185	Water				1887	1888
Sand			185	220	Total Depth					1888
Slate	white		220	255						
Lime	gray		255	268						
Slate	white		268	305						
Red rock	red		305	345						
Shell			345	352						
Slate	white		352	400						
Lime	sandy		400	430						
Slate	white		430	465						
Red Rock			465	492						
Slate	white		492	525						
Sand			525	544						
Slate	white		544	595						
Sand			595	621						
Red Rock			621	638						
Lime			638	650						
White Slate			650	702						
Shell			702	709						
White Slate	white		709	765						
Sand			765	783						
Little Red	red		783	823						
Sand			823	847						
Big Red	red		847	911						
Slate	blue		911	999						
Red Rock	red		999	1015						
Little Dunkard			1015	1027						
Slate	black		1027	1040						
Pink Rock			1040	1080						
Slate	white		1080	1120						
Big Dunkard			1120	1135						
Slate	white		1135	1180						
Sand			1180	1210						
Slate	black		1210	1248						
Sand			1248	1278						
Slate	white		1278	1328						
Shell			1328	1336						
Slate	white		1336	1384						
Long Streak	sand		1384	1485						
Slate	black		1485	1570						
Sand			1570	1627						
Slate	black		1627	1675						
Gas Sand			1675	1749						
Slate			1749	1751						
Sand	gray		1751	1768						