



Company HUGH K. SPENCER, ETAL.

Address West Union, West Va.

Farm W.R. & Mary F. Smith Estate

Tract _____ Acres 217 Lease No. _____

Well (Farm) No. Two Serial No. _____

Elevation (Spirit Level) 1007'

Quadrangle West Union SC

County Doddridge District Central

Engineer M. M. Shinn

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date July 4, 1963 Scale 1" = 40p = 660'

STATE OF KENTUCKY
DEPARTMENT OF MINES
OIL AND GAS DIVISION
LEXINGTON

WELL LOCATION MAP
FILE NO. Dod-1100

+ 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 7

Quadrangle West Union

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Permit No. DOD#1100

Company Hugh Spencer
Address West Union, W. Va.
Farm W.R. & Mary Smith Est. Acres 217
Location (waters) Arnold Creek
Well No. 2 Elev. 1007
District Central County Doddridge
The surface of tract is owned in fee by Smith Hrs.
West Union, W. Va. address
Mineral rights are owned by Smith Hrs.
Nellie Smith AGT address West Union, W. Va.
Drilling commenced March 16, 1964
Drilling completed April 23, 1964
Date Shot NO From _____ To _____
With _____
Open Flow Show 10ths Water in _____ Inch
_____/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 450 lbs. _____ hrs.
Oil Show _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED Yes 4-29-64

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			NONE
16			Kind of Packer _____
13			Size of _____
10			Depth set _____
8 1/4	313'		Perf. top _____
6 5/8	1185'		Perf. bottom _____
4 1/2	2255'	2255'	Perf. top _____
3			Perf. bottom _____
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED Yes SIZE 4 1/2 No. Ft. 2255' Date 4-23-64
GARATON 50 sks. cement
NO COAL 5 aquagel
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT 2000000 Gas 50 BBL Oil Per Day
ROCK PRESSURE AFTER TREATMENT 450 #
Fresh Water NO Feet _____ Salt Water yes Feet 1890'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			5	18			
Red Rock			18	23			
Lime			23	36			
Red Rock			36	41			
Sand			41	53			
Red Rock			53	68			
Gray Slate			68	128			
Lime			128	152			
Red Rock			152	170			
Sand			170	190			
Slate & Shells			190	210			
Sand			210	230			
Red Rock			230	295			
Gritty Lime			295	368			
Slate			368	372			
Red Rock			372	387			
Lime			387	430			
Red Rock			430	509			
Slate & Shells			509	575			
Sand			575	590			
Red Rock			590	675			
L. Dunkard			675	745			
Lime			745	775			
Slate			775	828			
Lime			828	848			
Slate & Shells			848	975			
Red Rock			975	1047			
Lime			1047	1057			
S Slate & Shells			1057	1100			
Black Lime			1100	1109			



Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Critty Lime			1100	1130			
Lime Broken			1130	1143			
Red Rock			1143	1158			
Slate & Lime Shells			1158	1176			
Lime			1176	1198			
Slate			1198	1212			
Lime			1212	1227			
Red Rock			1227	1232			
Lime			1232	1263			
Slate & Shells			1263	1285			
Sand			1285	1302			
Black Lime			1302	1307			
Black Slate			1307	1325			
Broken Lime			1325	1351			
Sand			1351	1368			
Slate			1368	1384			
Lime			1384	1448			
Sand			1448	1480			
Slate			1480	1500			
Lime			1500	1535			
Sand			1535	1545			
Lime			1545	1631			
Sand			1631	1723			
Slate & Shells			1723	1780			
Sand			1780	1825			
Slate & Shells			1825	1853			
Sand			1853	1917	Water 1800 1 Bailer Per Hour.		
Slate & Shells			1917	1980			
Sand			1980	1988			
Black Slate			1988	2027			
Red Rock			2027	2031			
Black Lome			2031	2076			
Lime			2076	2141	Oil 2155		
Sand			2141	2206	Gas 2175 To 2176 Show.		
Slate			2206	2229			
Squaw Sand			2229	2255			

Date 5-16, 1964

APPROVED Hugh Spencer, Owner

By agent (Title)