

New Location

Drill Deeper

Abandonment

Company BOWER, HALL & WETZEL

Address c/o Olin Wetzel, West Union, W. Va

Farm Moses Smith

Tract _____ Acres 97.3 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 867

Quadrangle Holbrook NE

County Doddridge District West Union

Engineer W. H. H. [Signature]

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date July 1960 Scale 1" = 30 poles

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

WELL LOCATION MAP
FILE NO. DOD-437

+ 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 4

Quadrangle West Union

Permit No. DOD-137

WELL RECORD

Oil or Gas Well Gas
(KIND)

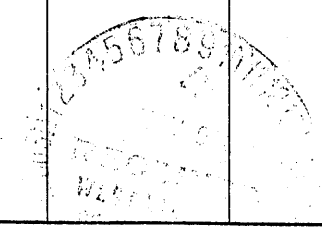
Company C.O. Power, James H. Hall & Olin B. Wetzel
Address West Union, W. Va.
Farm Moses Smith Acres 97.3
Location (waters) Right hand Arnolds Creek
Well No. 1 Elev. 867'
District West Union County Doddridge
The surface of tract is owned in fee by Moses W. Smith
Address R.1 West Union
Mineral rights are owned by same
Address _____
Drilling commenced Aug 12 1960
Drilling completed Sept 19 1960
Date Shot _____ From _____ To _____
With _____
Open Flow 44 /10ths Water in _____ Inch
44 /10ths Merc. in _____ Inch
Volume 65,000 65,000 Cu. Ft.
Rock Pressure 125 125 lbs. 24 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED yes Yes

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	12	12	
10	82	-0-	Size of
8 1/4 425	435	-0-	
6 3/4	985		Depth set
5 3/16	2.100	2.100	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5/8 SIZE No. Ft. _____ Date _____
25 bags Cement 25 sks. Cement - 4 sks. Aquagel
Garaton Service _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 300,003 ~~30,003~~ 300,003
ROCK PRESSURE AFTER TREATMENT 160 160 24 Hours
Fresh Water 45 Feet Salt Water none Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
top soil			0	15			
Red Rock			15	40			
Sand			40	68			
Slate			60	100			
Lime			100	113			
Slate			113	120			
Red Rock			120	189			
Sand			189	233			
Slate			233	235			
Lime	gritty		235	240			
Slate			240	270			
Red Rock			270	278			
Slate	Blue		278	324			
Slate	Shells		324	336			
Slate	dark	soft	336	340			
Lime			340	355			
Slate & Shells			355	386			
Lime	Gray	gritty	386	423			
Slate & Shells			423	440			
Red Rock			440	455			
Slate			455	485			
Sand			485	488			
Red Rock			488	522			
Lime	Grey		522	545			
Red Rock			545	607			
Lime			607	617			
Sand			617	663			
Slate			663	675			
Red Rock			675	700			
Lime			700	735			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			735	796			
Sand			796	840	oil	800	Showing
Slate			840	860			
Slate			860	880			
Sand			880	889			
Lime			889	912			
Slate			912	934			
Slate & Shells			934	962			
Sand			962	977			
Lime			977	1007			
Sand			1007	1048			
Lime			1048	1069			
Sand			1069	1090			
Slate			1090	1105			
Sand			1105	1145			
Slate			1145	1155			
Lime			1155	1182			
Sand			1182	1192			
Slate			1192	1228			
Lime			1228	1233			
Slate			1233	1240			
Lime	Gritty		1240	1297			
Sand			1297	1320			
Slate Shells			1320	1390			
Lime			1390	1409			
Slate		Hard	1409	1459			
Sand			1459	1472			
Slate			1472	1492			
Lime			1492	1512			
Slate & Shells			1512	1590			
Lime			1590	1596			
Sand			1596	1640			
Lime			1640	1645			
Slate			1645	1650			
Lime			1650	1732	oil	1665	showing
Sand			1732	1756	gas	1730	"
Lime	Hard		1756	1772			
Sand			1772	1802	Gas	1790	44/10W-1"
Slate			1802	1837			
Lime	Gritty		1837	1868			
Slate & Shells			1868	1956			
Sand			1956	2072			
Lime	Gritty		2072	2109			
Shells			2109	2116			
Lime	Gritty		2116	2121			
Lime	dark	Hard	2121	2126			
Slate			2126	2132			
Slate			2132	2142			
Slate			2142	2151			

Date Nov 7, 1960

APPROVED Bauser, Hall & Wiedel, Owner

By Clin B. Wiedel, Jr.
(Title)