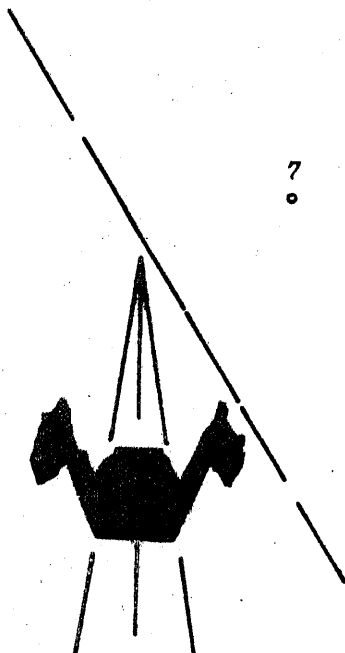


M. RICHTER
206.88 ACRES



ACCURACY: 1p / 200p

Source of Elevation WELL #1 (1055.1)

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company	<u>SHIELD PETROLEUM</u>	
Address	<u>CINCINNATI, OHIO</u>	
Farm	<u>M. RICHTER</u>	
Tract	Acres <u>206.88</u>	Lease No.
Well (Farm) No.	<u>10</u>	Serial No.
Elevation (Spirit Level)	<u>1046.2</u>	
Quadrangle	<u>HARRISVILLE</u>	<u>SW</u>
County	<u>WIRT</u>	District <u>BURNING SPRINGS</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3788</u>	
File No.	<u>68003-114</u>	Drawing No.
Date	<u>7/13/68</u>	Scale <u>1" = 15p</u>

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

WELL LOCATION MAP
FILE NO. WIR-557-00

+ 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.

Shallow **AUG 5 1968**



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Harrisville
Permit No. WIR 557-DD

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Shield Petroleum Corporation
Address 3249 E. Sharon Rd., Cinti. O. (45241)
Farm M. Richter Acres 206.88
Location (waters) Bell run
Well No. 10 Elev. 1046.2'
District Burning Springs County Wirt
The surface of tract is owned in fee by W. Va. Pulp & Paper
Address Parkersburg, W. Va.
Mineral rights are owned by M. Richter
Address Brohard
Drilling commenced 7/16/68
Drilling completed 7/22/68
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4			
6 5/8			
5 3/16		2092	Perf. top <u>2004</u>
4 1/2			Perf. bottom <u>2016</u>
3			Perf. top
2			Perf. bottom
Liners Used			

WELL FRACTURED (DETAILS) 8/13/68 780 bbs. fresh water
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 650 mcf/d
ROCK PRESSURE AFTER TREATMENT 390 lbs.
Fresh Water Feet Salt Water Feet
Producing Sand Injun Depth 1884 - 2018

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 2092 No. Ft. 8/5/68 Date
Amount of cement used (bags) 75 bags regular bulk
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

650,000 650 MCF

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			1842	1842 start drilling			
Shale			1885	1885			
Limestone	<u>big lime</u>		1895	1895			
Shale			1983	1983			
Sandy lime	<u>KEEPER</u>		1986	1986			
Sandstone			1999	1999	show oil	2004-2017	<u>Big Injun</u>
Shale			2017	2017			
Sandstone			2020	2020	show oil	2020-2025	<u>Squaw</u>
Shale			2025	2025			
Sandstone			2029	2029	show gas	2033-2043	<u>" or Wein</u>
Shale			2048	2048			
			2092	2092			
				T.D. 2092			

