

2/25/69 CER



WELL RECORD, FORM OG-10, MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

A-1

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To The DEPARTMENT OF MINES, Charleston, W. Va.

Form fields for Coal Operator, Name of Well Operator (Shield Petroleum Corporation), Address (3249 East Sharon Road Cincinnati, Ohio 45241), Proposed Location (Burning Springs District, Wirt County), and Well No. (Four).

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated February 1, 1952, made by Pittsburgh Oil and Gas Co., to Penova Interests, and recorded on the 1st day of February 1952, in the office of the County Clerk for said County in Book 60, page 8.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten\* days from the receipt of a copy of this notice and accompanying plat by said Department.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Shield Petroleum Corporation

(Sign Name) James E. Egan

WELL OPERATOR

3249 East Sharon Road

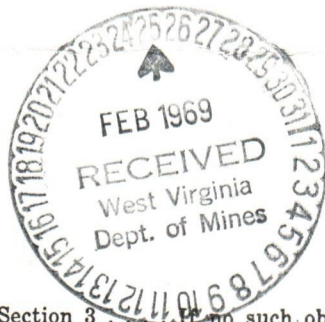
STREET

Cincinnati, Ohio 45241

CITY OR TOWN

01/12/2024

STATE



\*Section 3... no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

BOND DRILL

571 WIR-571 PERMIT NUMBER

A-10

SHIELD PETROLEUM CORPORATION

<u>LEASE</u>	<u>COUNTY</u>	<u>PERMIT NUMBER</u>
Richter - 1	West } <i>Wirt</i>	WIR- 547
Richter - 2		WIR- 196DD
Richter - 3		WIR- 557DD
Richter - 4		WIR- 571
Knight - 1	Calhoun	CAL-2458DD
Knight - 2	Calhoun	CAL-2459DD
Elliott - 1	Calhoun	CAL-2390
Elliott - 2	Calhoun	CAL-2402
Elliott - 3	Calhoun	CAL-2411
UNB - 1	Gilmer	Gil-2095
UNB - 2	Gilmer	Gil-2099
UNB - 3	Gilmer	Gil-2118
Kidd - 1	Gilmer	Gil-2013
Kidd - 2	Gilmer	Gil-2027

Assignment dated 6-10-74

TO: THE POLUMBUS CORPORATION  
3 Park Central - Suite 200  
1515 Arapahoe Street  
Denver, Colorado 80202

FROM: James C. Eigel, President

dvm  
8-28-74

RECEIVED  
SEP 3 1974  
OIL & GAS DIVISION  
DEPT. OF MINES

A-11

*Issue*

# Shield Petroleum Corporation

Oil and Gas Producers

February 24, 1969

State of West Virginia  
Department of Mines  
Oil & Gas Division  
Charleston, West Virginia

Dear Sir:

Please find attached, Drill Permit Request, along with two copies of Plat and Bond for our Shield #4-Richter Well in Wirt County.

Will you kindly forward the Drill Permit to our office here in Cincinnati?

Thank you for this courtesy.

Sincerely,

*James C. Eigel*  
JAMES C. EIGEL  
PRESIDENT

JCE:hc:encls.



A-12



State of West Virginia

Department of Mines  
Oil and Gas Division  
Charleston 5

February 26, 1969

SHIELD PETROLEUM CORPORATION  
3249 East Sharon Road  
Cincinnati, Ohio 45241

IN RE:	PERMIT NO.	<u>WIR-571</u>
	FARM	<u>Morris Richter</u>
	WELL NO.	<u>4</u>
	DISTRICT	<u>Burning Springs</u>
	COUNTY	<u>Wirt</u>

Gentlemen:

Enclosed is Permit for drilling the above described well.

Please post one copy of permit at the Well site and send two copies of the well record to this office, within 90 days, when drilling has been completed.

Very truly yours,

Deputy Director  
Oil and Gas Wells Division

RLD/ff

Enclosures:

cc-West Virginia Geological & Economic Survey  
cc- Mr. Harry Holliday, Box 221, Grantsville, W. Va. 26147 PH: 354-6245

bc- Mr. J. F. Bedell, Jr., Deputy Securities Commissioner

01/12/2024



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Harrisville

WELL RECORD

Permit No. WIR-571

Oil or Gas Well Gas  
(KIND)

Company Shield Petroleum Corporation  
Address 3249 E. Sharon Rd. Cinti, Ohio 45241  
Farm Morris Richter Acres 206.88  
Location (waters) Bell Run  
Well No. Shield #4 Richter Elev. 1093'  
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 Morris Richter  
Address Brohard, W. Va.

Drilling commenced 3-10-69  
Drilling completed 4-6-69  
Date Shot ----- From ----- To -----  
With -----

Open Flow /10ths Water in ----- Inch  
/10ths Merc. in ----- Inch  
Volume ----- Cu. Ft.  
Rock Pressure ----- lbs. ----- hrs.  
Oil ----- bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) -----

WELL FRACTURED (DETAILS) 1,000/Gals. acid - 980/Bbls. treated water  
20,000 - 10/20 sand - 25,000 20/40 sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 800,000 C.F.

ROCK PRESSURE AFTER TREATMENT 425# HOURS 24

Fresh Water - Feet - Salt Water - Feet -

Producing Sand Injun Sand Depth 1,995' - 1,998'  
2,008' - 2,012'

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4	1935'	-0-	
6 3/4			
5 3/16			Perf. top 2094'
4 1/2	2199'	2199'	Perf. bottom 2104'
3			Perf. top 2130'
2			Perf. bottom 2136'
Liners Used			

Attach copy of cementing record.  
CASING CEMENTED 4 1/2 SIZE 2199 No. Ft. 4-3-69 Date  
Amount of cement used (bags) 107 bags bulk cement  
Name of Service Co. Dowell  
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	Remarks
Earth			0'	25'			
Sand			25'	75'			
Shale			75'	100'			
Sand			100'	155'	Water	120'	
Shale			155'	190'			
Sand			190'	240'			
Shale			240'	600'			
Sand			600'	1000'			
Shale			1000'	1600'			
Sand			1600'	1802'			
Limestone			1802'	1872'			
Shale			1872'	1964'			
Sand			1964'	1970'			
Shale			1970'	1976'			
Sand			1976'	1986'			
Shale			1986'	2022'	Gas		
Shale			2022'	2199'			





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



INSPECTOR'S WELL REPORT

Permit No. W2R-571

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>SHIELD PETROLEUM COMP.</u> <u>3249 EAST SHARON ROAD</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>CINCINNATI, OHIO - 45241</u>	Size <u>14"</u> <u>16" CEM.</u>	<u>7'</u>	
Farm <u>MURRIS RICHTER (252A)</u>	<u>13</u>			
Well No. <u>4</u>	<u>10</u>			Size of _____
District <u>BURNING SPRINGS</u> County <u>WEST</u>	<u>8 1/4</u>			Depth set _____
Drilling commenced <u>3-8-69</u>	<u>6 5/8</u>			
Drilling completed _____ Total depth _____	<u>5 3/16</u>			
Date shot _____ Depth of shot _____	<u>3</u>			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	<u>2</u>			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water <u>NONE @ 200'</u> feet _____ feet	COAL WAS ENCOUNTERED AT <u>200</u> FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names CLAUDE SWADLEY - EUGENE SHEETS

G.H.F.C. DRILLING CO. - SPRINGER

Remarks:

DRILLING AT 200'

3-17-69

DATE

H. A. Holliday

DISTRICT WELL INSPECTOR

01/12/2024









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



INSPECTOR'S WELL REPORT

Permit No. WTR-571

Company SHIELD PETROLEUM CORP.  
3249 EAST SHARON ROAD  
 Address CINCINNATI, OHIO 45241  
 Farm MORRIS RECHTER (RESA)  
 Well No. 4  
 District BURNING SPRINGS County WIRT  
 Drilling commenced 3-8-69  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water NONE feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
18 1/4	7'		
10	331		Size of _____
8 1/4	1270		
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT NONE FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names CLAUDE SPADLEY - EUGENE SHEETS

Remarks: C.H. & C. WING, CO. - SPUDDER  
DRILLING AT 1580'

3-29-69  
DATE

H. A. Tolpelt  
DISTRICT WELL INSPECTOR  
01/12/2024



B-5

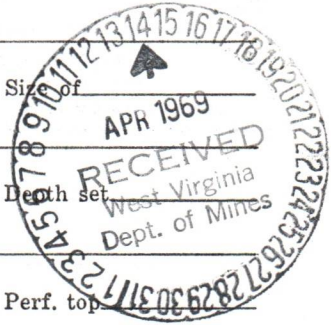
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. WZA-571

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>SHIELD PETROLEUM CORP.</u> <u>3249 EAST SHARON ROAD</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>CINCINNATI OHIO 45241</u>	Size		
Farm <u>MORRIS RICHTER (202A)</u>	16 <u>CERK SURF</u>			Size of
Well No. <u>4</u>	13 <u>14" PIPE</u>	<u>7'</u>		Depth set
District <u>BURNING SPRING</u> County <u>W. VA.</u>	10	<u>331</u>		Perf. top
Drilling commenced <u>3-8-69</u>	8 1/4	<u>1220</u>		Perf. bottom
Drilling completed <u>4-7-69</u> Total depth <u>2197'</u>	6 5/8			Perf. top
Date shot _____ Depth of shot _____	5 3/16		<u>2189</u>	Perf. bottom
Initial open flow _____ /10ths Water in _____ Inch	3 <u>4 1/2</u>			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>4 1/2</u> SIZE <u>2189</u> No. FT. <u>4-8-69</u> Date			Perf. bottom
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>DOWELL</u>			
Fresh water <u>NONE</u> feet _____ feet	COAL WAS ENCOUNTERED AT <u>NONE</u> FEET _____ INCHES			
Salt water <u>1000' - H. FULL</u> feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			



Drillers' Names CLAUDE SWARLEY - EUGENE SHEETS

Remarks: WELL FRACTURE

4-9-69  
DATE

H. C. Holliday  
DISTRICT WELL INSPECTOR

01/12/2024



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



INSPECTOR'S WELL REPORT

Permit No. WIR-571

Oil or Gas Well GAS  
(KIND)

Company <u>SHIELD PETROLEUM CORP.</u> <u>3249 EAST SHARON ROAD</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>CINCINNATI, OHIO - 45241</u>	Size		
Farm <u>MARRIS RIGHTER (250A)</u>	16			
Well No. <u>4</u>	13			
District <u>BURNING SPRINGS</u> County <u>WIRT</u>	10			Size of
Drilling commenced	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: ON FINAL INSPECTION THIS WELL MAY BE RELEASED

BOND CANCELLED  
RETURNED TO WELL OPERATOR AND/OR PRINCIPAL  
5/12/1969

5-7-69  
DATE

H.A. Holliday  
DISTRICT WELL INSPECTOR  
01/12/2024







State of West Virginia

Department of Mines  
Oil and Gas Division  
Charleston 5

May 12, 1969

Shield Petroleum Corporation  
3249 East Sharon Road  
Cincinnati, Ohio 45241

IN RE: Permit WIR-571  
Farm Morris Richter  
Well No. 4  
District Burning Springs  
County Wirt

Gentlemen:

The final inspection report for the Well which is described above has been received in this office.

Please be advised that the Bond which is covered by the above permit number has been released.

Kindly return the enclosed cancelled Bond to the Surety Company that executed said bond in your behalf, in order that they may give you credit on their records.

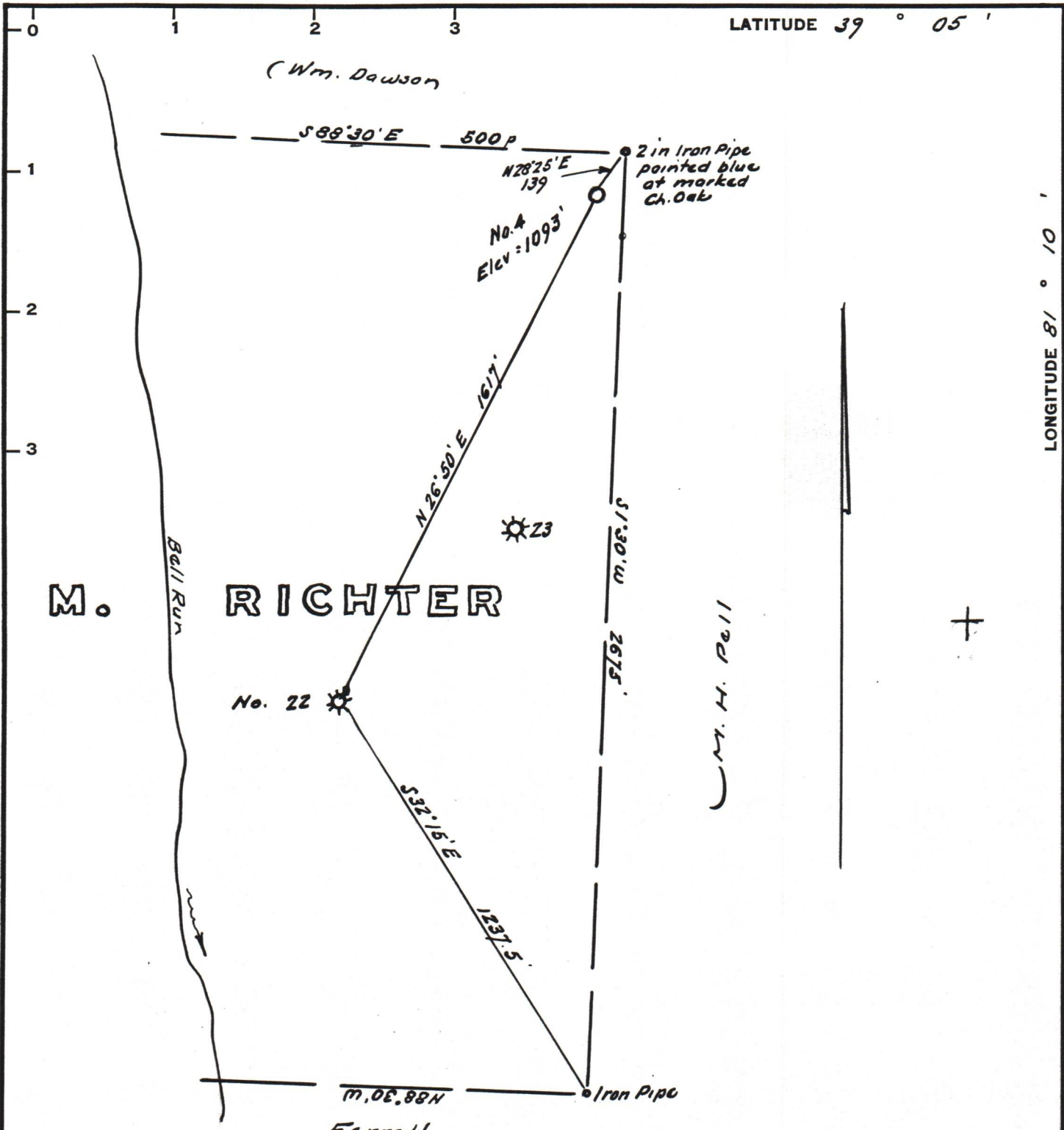
Very truly yours,

Deputy Director  
Oil and Gas Wells Division

Enclosure: 1 bond

b

01/12/2024



Minimum Error of Closure 1 in 200  
 Source of Elevation Elev Well No 22 = 1125'

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *W. Stuber*  
 Squares: N S E W

Map No. \_\_\_\_\_

Company Shield Petroleum Corporation  
 Address 3241 E. Sharon Road, Cincinnati, O.  
 Farm M. Richter  
 Tract \_\_\_\_\_ Acres 250 Lease No. \_\_\_\_\_  
 Well (Farm) No. Four Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1093'  
 Quadrangle Harrisville  
 County Wirt District Burning Springs  
 Engineer *W. Stuber*  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Feb. 18, 1969 Scale 1" = 400'

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

WELL LOCATION MAP  
 FILE NO. WIRT - 57/ 01/12/2024

+ 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.