





Latitude 40°-30'

NE

Longitude 80°-30'

~~New Location~~ X

Drill Deeper .....

Redrill .....

Abandonment 9/2/76 X

"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."

Company WEIRTON STL. DIV. - NATL. STL. CORP.

Address WEIRTON, W. VA. 26062

Farm *Nat. Stl. Corp.*

Tract T M Acres Lease No.

Well (Farm) No. TM-1 Serial No.

Elevation (Spirit Level) 670.5 (C/NE)

Quadrangle W.VA.- OHIO- PA.- STEUBENVILLE

County HANCOCK District BUTLER

Engineer *John J. Wargach*

Engineer's Registration No. 2246

File No. Drawing No.

Date 8-24-75 Scale 1" = 50'

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

WELL LOCATION MAP

FILE NO HAN-90-P

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.

47-029

1500' Gordon Sand



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 2

**RECEIVED**  
SEP 2 1976  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Stuebenville

Permit No. HAN-90

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ **Dry** (Kind)

Company Weirton Steel - Div. Nat. St. Corp.  
Address Weirton, W. Va. 26062  
Farm Nat St. Corp. - Tin Mill Acres \_\_\_\_\_  
Location (waters) Ohio River  
Well No. TM-1 Elev. 670.5 GL  
District Butler County Hancock  
The surface of tract is owned in fee by \_\_\_\_\_  
Nat. St. Corp.  
Address Same  
Mineral rights are owned by Company  
Address \_\_\_\_\_  
Drilling Commenced 10-7-75  
Drilling Completed 10-18-75  
Initial open flow -- cu. ft. -- bbls.  
Final production NEG cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test 42# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8			
7	202	202	60 sks.
5 1/2			
4 1/2	--	1657	200 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Frac. Berea & Injun

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	32		
Sandy Shale			32	84		
Sand			84	144		
Shaley Sand			144	156		
Coal Blossom			--	--		
Shaley Sand			156	254		
Sandy Shale			254	360		
Sand			360	408		
Sandy Shale			408	460		
Sand			460	514		
Sandy Shale			514	544		
Sand			544	572		
Shale			572	588		
Sand			588	620		
Shale			620	632		
Sand & shale			632	666		
Sandy shale			666	928		
Shaley Sand			928	976		
Shale (Coffee)			976	1011		
Berea			1011	1027		
Shale			1027	1032		
Berea			1032	1040		
Shale (sandy)			1040	1344		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet Z	Bottom Feet	Oil, Gas or Water	* Remarks
<u>Sand (Gordon)</u>			1344	1350		
Shale (sandy)			1350	--		
Total Depth			--	1698		

Date 9-1- 19 76

APPROVED Weirton Steel Owner

By \_\_\_\_\_ (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
SEP 30 1975

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Surface Owner Weirton Steel Division  
National Steel Corporation  
Address P. O. Box 431, Weirton, W. Va. 26062  
Mineral Owner Weirton Steel  
Address P. O. Box 431, Weirton, W. Va. 26062  
Coal Owner Not Applicable  
Address Not Applicable  
Coal Operator Not Applicable  
Address Not Applicable

DATE September 24, 1975  
Company Weirton Steel Division  
National Steel Corporation  
Address P. O. Box 431, Weirton, W. Va. 26062  
Farm National Steel Corp. Acres 374.84  
Location (waters) Ohio River  
Well No. T.M.-1 Elevation 670.5  
District Butler County Hancock  
Quadrangle W.Va.-Ohio-Pa.; Steubenville

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-30-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Donald Connors  
PH: 428-8172 ADDRESS Mineral Wells, W. Va.

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 \_\_\_\_\_ 19\_\_ by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_ in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE

OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505  
AC 304-296-4461

Very truly yours,  
(Sign Name)   
Well Operator  
P. O. Box 431  
Street  
Weirton  
City or Town  
West Virginia 26062  
State

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

BLANKET BOND

Han-90 PERMIT NUMBER  
47-029

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL          DEEPEN          FRACTURE STIMULATE           
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT           
 NAME Paramount Exploration, Inc. NAME           
 ADDRESS Box 330; Waynesburg, Pa. 15370 ADDRESS           
 TELEPHONE 412 - 627-6144 TELEPHONE           
 ESTIMATED DEPTH OF COMPLETED WELL: 1500 Ft. ROTARY          TABLE TOOLS           
 PROPOSED GEOLOGICAL FORMATION: Gorden Sand  
 TYPE OF WELL: OIL          GAS X COMB.          STORAGE          DISPOSAL           
 RECYCLING          WATER FLOOD          OTHER         

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7	220 Ft.	220 Ft.	Circulate
5 1/2			
4 1/2	1500 Ft.	1500 Ft.	Circulate
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER          FEET  
 APPROXIMATE COAL DEPTHS Not Applicable  
 IS COAL BEING MINED IN THE AREA? No BY WHOM?         

**TO DRILL:**  
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**  
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**  
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.  
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.  
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

**WAIVER:** I the undersigned, Agent for          Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.  
 We the          Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company  
 \_\_\_\_\_  
 Official Title