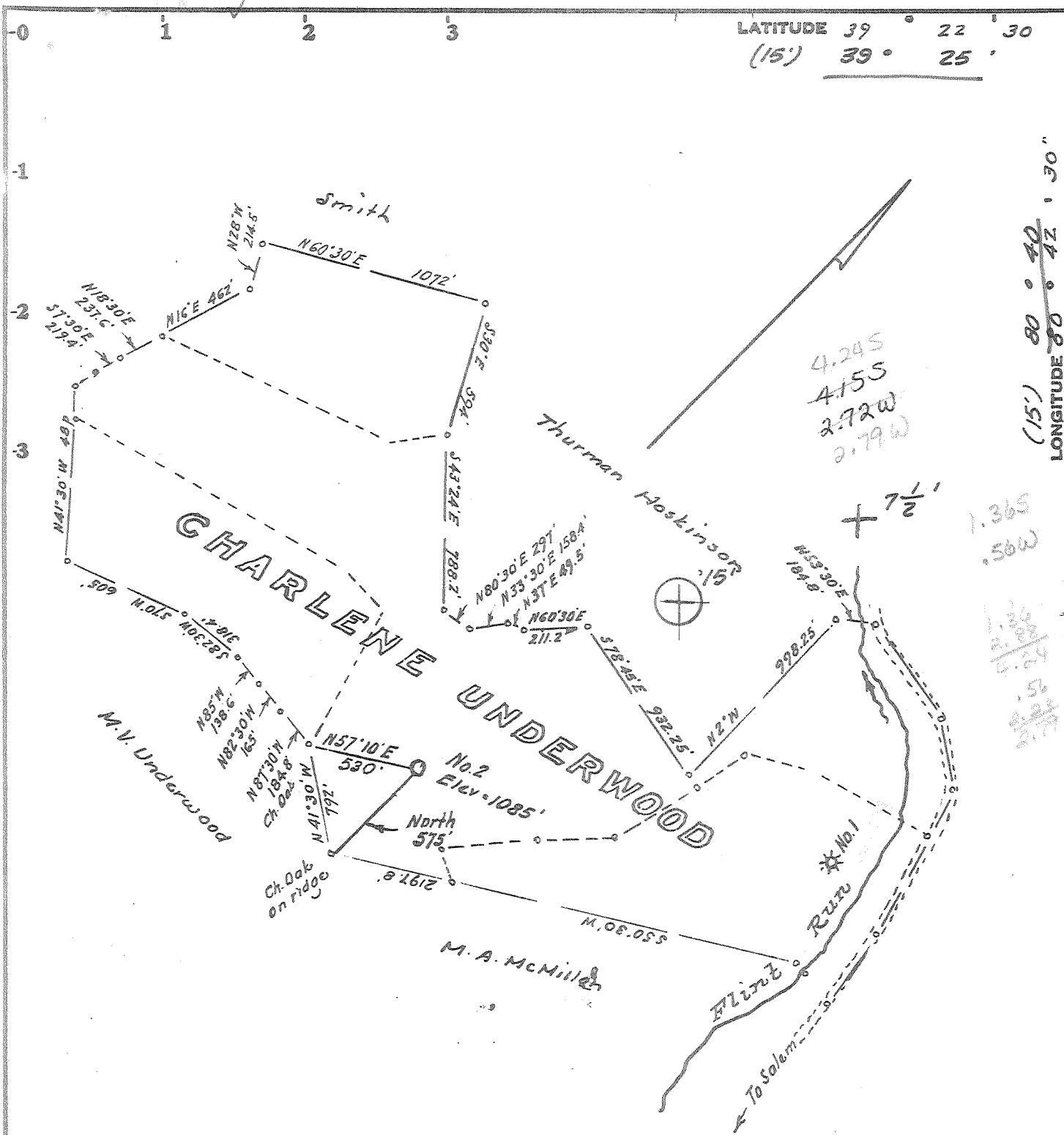


4/17/77



LATITUDE 39° 22' 30"  
(15') 39° 25'

LONGITUDE 80° 42' 30"  
(15') 80° 40'

Minimum Error of Closure 1 in 200

Source of Elevation Well No. 1 = 787

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

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.

Signed: W. H. Scott  
Squares: N S E W

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

Company Pittsburgh Tube Co.  
 Address % Scott Enterprises, Inc., Salem, W. Va.  
 Farm Charlene Underwood  
 Tract \_\_\_\_\_ Acres 145.3 Lease No. \_\_\_\_\_  
 Well (Farm) No. Tno Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1085 WC  
 Quadrangle Smithburg 7 1/2' Centerpoint 15'  
 County Doddridge District Grant  
 Engineer W. H. Scott  
 Engineer's Registration No. 1277 LLS 200'  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date March 22, 1977 Scale 1" = 660'

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

WELL LOCATION MAP

FILE NO. DOD-1855

+ 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. 47-017



RECEIVED

JUL - 8 1977

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Smithburg

Permit No. DODD-1855

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

PITTSBURGH TUBE COMPANY

Company % Scott Enterprises, Inc.  
Address P.O. Box 112, Salem, WV 26426  
Farm Charlene Underwood Acres 145.3  
Location (waters) Big Flint  
Well No. Two (S-204) Elev. 1085  
District Grant County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Charlene Underwood  
Address Rt. 4, West Union, WV 26456  
Mineral rights are owned by Charlene Underwood  
Address Rt. 4, West Union, WV  
Drilling Commenced 4-19-77  
Drilling Completed 4-26-77  
Initial open flow 45 cu. ft. \_\_\_\_\_ bbls.  
Final production 150 1/2 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 16 hrs. before test 535 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	1406	1406	300
7			
5 1/2			
4 1/2	5294	5294	250
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Benson Frac - Perforations 5220-24 16 Holes

45,000# 20-40 sand, 500 gal. 15% acid, 775 bbls. water.

Big Injun Frac - Perforations 2210-12 8 holes, 2235-39 6 holes.

45,000# 20-40 sand, 500 gal. 15% acid, 540 bbls. water.

Coal was encountered at 805-810 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 650, 990 Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	625		
Sand & shale			625	650		Damp at 650
Sand			650	700		
Shale			700	805		
Coal			805	810		
Sand			810	900		Wet at 990
Shale			900	1125		
Sand & shale			1125	1700		
Sand			1700	1950		
Sandy shale			1950	2060		
Lime			2060	2130		
Sand			2130	2310		Check gas at 2435- 15 Mcf
Sand & shale			2310	2880		
Sand			2880	2935		
Sand & shale			2935	3100		
Sand			3100	3135		Check gas at 4510- 28 MCF
Sandy shale			3135	5215		
Benson sand			-5215	5230		Check gas at 5325- 45 Mcf
Shale			5230	5325		
T D				5325		

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
APR 13 1977  
DEPARTMENT OF MINES  
STATE OF WEST VIRGINIA

APR 15 1977

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Surface Owner Charlene Underwood  
Address St. 4, West Union, WV 26426  
Mineral Owner Charlene Underwood  
Address St. 4, West Union, WV  
Coal Owner Charlene Underwood  
Address St. 4, West Union, WV  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE April 12, 1977  
Company Pittsburgh Tube Company  
Scott Enterprises, Inc.  
Address P.O. Box 112, Salen, WV 26426  
Farm Charlene Underwood Acres 143.1  
Location (waters) Big Flint Run  
Well No. Two 8-204 Elevation 1085  
District Grant County Dodderidge  
Quadrangle Smithsburg 79

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  
or drilling. This permit shall expire if  
operations have not commenced by 8-14-77.

INSPECTOR  
TO BE NOTIFIED Paul Carrott  
ADDRESS Glennsburg, WV  
PHONE 622-3873

[Signature]  
Deputy Director - Oil & Gas Division  
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 June 13 1975 by Charlene  
Underwood et al made to Pittsburgh Tube Co. and recorded on the 17th day of September  
1975, in Dodderidge County, Book 790 Page 85

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, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours,  
(Sign Name) [Signature]  
Well Operator  
Scott Enterprises, Inc.  
P.O. Box 112  
Street  
Salen  
City or Town  
West Virginia 26426  
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 BIND

DOD-1855 PERMIT NUMBER  
47-017

"I have read and understand the reclamation requirements as set forth in  
Chapter 22, Article 4, Section 12b and will carry out the specified requirements."  
Signed by [Signature]

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

PROPOSED WORK ORDER TO 2 DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME W. W. Jack Drilling Co. NAME Scott Enterprises, Inc.  
 ADDRESS P.O. Box 48, Buchanan, WV 26201 ADDRESS P.O. Box 112, Salem, WV 26426  
 TELEPHONE 472-2162 TELEPHONE 782-2523  
 ESTIMATED DEPTH OF COMPLETED WELL: 3250' ROTARY 1 CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benison  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS 1 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	<u>1280</u>	<u>1280</u>	<u>To surface</u>
7			
5 1/2			
4 1/2	<u>3250</u>	<u>3250</u>	<u>125 sacks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 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