



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure ONE PART IN 200'  
 Source of Elevation Forks of road at mouth of BEE RUN  
E.I. 641.0'  
 "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 DEVON CORP  
 Address P.O. BOX 1433 CHARLESTON W.V.  
 Farm B.M. GRIMM  
 Tract \_\_\_\_\_ Acres 64 Lease No. 2554  
 Well (Farm) No. 1 Serial No. 888  
 Elevation (Spirit Level) 793.0' NE  
 Quadrangle ELMWOOD 7.5', WINFIELD 15'  
 County MASON District UNION  
 Surveyor C. J. Talley Jr.  
 Engineer's Registration No. 15,92  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 2-17-79 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. 47-053-0175

+ 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.

MAR 15 1979

(DEEP WELL) 4950' OHISKANY 64 FOSTER CHAPEL 348



*Handwritten notes and stamps*

OCT 28 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES  
**WELL RECORD**

Quadrangle Elmwood 7½  
Permit No. 47-053-0175

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

Company DEVON CORPORATION  
Address P. O. Box 1433, Charleston, WV  
Farm B. M. Grimm Acres 64  
Location (waters) Bee Run of 13 Mi. Creek  
Well No. 888 Elev. 793  
District Union County Mason  
The surface of tract is owned in fee by \_\_\_\_\_  
B. M. Grimm, PO Box 155  
Address Point Pleasant, W. Va. 25550  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced July 3, 1979  
Drilling Completed July 11, 1979  
Initial open flow 5 MCF/D ~~XXXX~~ bbls.  
Final production 102 MCF/D ~~XXXX~~ per day bbls.  
Well open \_\_\_\_\_ hrs. before test 1140 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	204	204	100 sax=to surface
8 5/8			
7	2545	2545	75 sax=630'
5 1/2			
4 1/2		4905	200 sax=2400'
3			
2		3977	
Liners Used			

Attach copy of cementing record.

Perforated 4½' casing 4790' to 4792' with 16 shots  
Frac Oriskany Sand with 29,600# sand and 580 BBL water. Oriskany failed to respond to treatment. Set bridge plug at 4200'. Perf. 4½" csg 3895'-4113' w/22 shots. Frac Brown Shale with 60,000# sand and 350 BBL water.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Brown Shale Depth 3895-4113'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Shale			10	170		
Sand			170	196		
Shale			196	230		
Sand			230	245		
Shale			245	425		
Sand			425	445		
Shale			445	590		
Sand			590	610		
Shale			610	890		
Sand			890	960		
Shale			960	1105		
Salt Sand			1105	1215		
Shale			1215	1275		
Salt Sand			1275	1370		
Shale			1370	1425		
Sand			1425	1455		
Shale			1455	1570		
Sand			1570	1720		
Shale			1720	1775		
Maxon Sand			1775	1822		
Big Lime			1822	1940		
Shale			1940	2016		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Injun Sand			2016	2126		
Shale			2126	2430		
Coffee Shale			2430	2456		
Berea Sand			2456	2468		
Shale			2468	3649		
Brown Shale			3649	4117		
Shale			4117	4524		
Marcellus Shale			4524	4683		
Onondaga L. S.			4683	4758		
Oriskany Sand			4758	4798		
Helderberg L. S.			4798	4955		
Log Total Depth			4955'			

GR Log - from 800' KB

- H 3651
- J 4113
- A 4251
- Rh 4431
- OS 4683



Date July 13, 19 79  
 APPROVED A. C. Youse OWNER  
 By A. C. Youse,  
 District Geologist  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

FEB 20 1979

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 19, 1979

Surface Owner B. M. Grimm  
Address P. O. Box 155, Pt. Pleasant, WV  
Mineral Owner B. M. Grimm 25550  
Address P. O. Box 155, Pt. Pleasant, WV  
Coal Owner Same as above 25550  
Address \_\_\_\_\_  
Coal Operator Not operated

Company DEVON CORPORATION  
Address Box 1433, Charleston, W. Va.  
Farm B. M. Grimm Acres 64  
Location (waters) Bee Run of 13 Mile Creek  
Well No. 888 Elevation 793  
District Union County Mason  
Quadrangle Elmwood 7 1/2

Address \_\_\_\_\_  
**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 10-22-79

*Robert S. [Signature]*

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Mr. Kenneth Butcher  
PH: 736-4885 ADDRESS Barboursville, 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 April 16 1975 by B. M. Grimm, et ux made to Devon & Eason and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Mason County, Book 39 Page 613  
XXX 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:

Very truly yours, DEVON CORPORATION  
(Sign Name) A. C. Youse

A. C. Youse, Well Operator  
Dist. Geologist  
P. O. Box 1433

Address  
of  
Well Operator

Street  
Charleston,  
City or Town

West Virginia 25325  
State

W. VA. OIL & GAS CONSERVATION COMMISSION  
1613 WASHINGTON STREET, EAST  
CHARLESTON, WEST VIRGINIA 25311

\*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.

CLANNET BOARD

*Sumner*

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

PROPOSED WORK ORDER TO XXXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME FWA Drilling Co. NAME Bill Endicott  
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, WV  
 TELEPHONE 965-3379 TELEPHONE 342-3171  
 ESTIMATED DEPTH OF COMPLETED WELL: 4950 ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX 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	200	200	100 Sax = To surface
8 - 5/8			
7	2575	2575	75 Sax = 625'
5 1/2			
4 1/2		4950	200 Sax=2400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None anticipated  
 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