



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure One Part in 200
 Source of Elevation U.S.G.S BM Top knob near Sayre Cem.
E1 790.0'
 "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 PO BOX 1433 CHARLESTON WVA
 Farm ELMER HILL
 Tract _____ Acres 45 Lease No. 3595
 Well (Farm) No. 1 Serial No. 887
 Elevation (Spirit Level) 790.0' NE
 Quadrangle ELMWOOD 7.5' WINFIELD 15'
 County MASON District UNION
 Surveyor/Engineer C. J. Yalley Jr.
 Engineer's Registration No. LS 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. 47-053-0176

† 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.

SPD-shale (346) MAR 15 1979

(001) 4900 Criskony 6-A FOSTON CH 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OCT 28 1979

Oil and Gas Division

WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES
Cable _____ Gas XXX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Elmwood
Permit No. 47-053-0176

Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Elmer Hill Acres 45
Location (waters) Long Branch
Well No. 887 Elev. 790
District Union County Mason
The surface of tract is owned in fee by _____
Elmer Hill
Address Rt. 3, Leon, W. Va. 25123
Mineral rights are owned by Same as above
Address _____
Drilling Commenced July 12, 1979
Drilling Completed July 22, 1979
Initial open flow 5 MCFD ~~xxxx~~ bbls.
Final production 106 MCFD ~~xxxxxxx~~ bbls.
Well open _____ hrs. before test 1160 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	294	294	125 sax=to surf.
9 5/8			
8 5/8			
7	2484	2484	150 sax=625'
5 1/2			
4 1/2		4918	225 sax=2400'
3			
2		4068	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" csg. 4809' to 4811' with 16 shots. Frac Oriskany with 40,000# sand and 760 BBL water. Tested 52 MCFD after frac. Set wireline bridge plug at 4200'.

Perforated 4 1/2" casing 3905-4095' with 26 shots. Frac Brown Shale with 60,000# sand and 332 BBL water.

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Brown Shale Depth 3905-4095

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	365		
Broken Sand			365	435		
Shale			435	590		
Sand			590	600		
Shale			600	725		
Sand			725	743		
Shale			743	928		
Sand			928	1000		
Shale			1000	1115		
Sand			1115	1215		
Shale			1215	1280		
Sand			1280	1360		
Shale			1360	1420		
Sand			1420	1453		
Shale			1453	1500		
Sand			1500	1547		
Shale			1547	1582		
Sand			1582	1605		
Shale			1605	1625		
Sand			1625	1630		
Shale			1630	1695		
Sand			1695	1717		
Shale			1717	1774		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Maxon Sand			1774	1826		
Big Lime			1826	1952		
Shale			1952	2016		
Injun Sand			2016	2122		
Shale			2122	2436		
Coffee Shale			2436	2458		
Berea Sand			2458	2469		
Shale			2469	3660		
Brown Shale			3660	4128		
Shale			4128	4536		
Marcellus Shale			4536	4704		
Onondaga L. S.			4704	4771		
Oriskany Sand			4771	4816		
Helderberg L. S.			4816	4942		
Log Total Depth				4942'		

GR log - of 7981' 60

H 3860
 J 4124
 A 4263
 R 4450
 On 4704

Date October 22, 19 79

DEVON CORPORATION

APPROVED

A. C. Youse
 A. C. Youse,
 District Geologist

Owner

By

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 20 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 19, 1979
Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Elmer Hill Acres 45 ac
Location (waters) Long Br. of 13 Mi. Creek
Well No. 887 Elevation 790
District Union County Mason
Quadrangle Elmwood 7 1/2

Surface Owner Elmer Hill
Address Rt. 3, Leon, W. Va. 25123
Mineral Owner Elmer Hill
Address Rt. 3, Leon, W. Va. 25123
Coal Owner Same as above
Address _____
Coal Operator Not operated
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 H. Bell

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 October 11 19 76 by Elmer Hill made to Devon & Eason and recorded on the _____ day of _____ 19____, in Mason County, Book 41 Page 186
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
Street
Charleston,
City or Town
West Virginia
State

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

Address
of
Well Operator

*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.

SECRET BOARD

Gaines

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME F W A Drilling Co. NAME Bill Endicott
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, W. Va.
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4900 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	300	300	125 sax=to surface
8 - 5/8			
7	2525	2525	75 sax=625'
5 1/2			
4 1/2		4900	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