



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 - 200
 Source of Elevation USGS BM North of Location stamped J-112 - 1956 El. 624.0'
 "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.VA.
 Farm JAY E. STONE, ET AL. ED FLOWER
 Tract _____ Acres 72 ± Lease No. 2465
 Well (Farm) No. 1 Serial No. 942
 Elevation (Spirit Level) 652.0' (NC)
 Quadrangle ELMWOOD 7.5' WINFIELD 15'
 County MASON District UNION
 Surveyor C. J. Valley Jr.
 Surveyors Registration No. 92
 File No. B 48 P 83 Drawing No. _____
 Date 11-24-79 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 47-053-0210

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

DEC 28 1979

DEEP WELL 6-6 Rock Castle (346)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Elmwood
Permit No. 47-053-0210

Rotary XXX Oil XXX
Cable XXX Gas XXX
Recycling XXX Comb. XXX
Water Flood XXX Storage XXX
Disposal XXX (Kind) XXX

Company DEVON CORPORATION
Address PO BOX 1433, Charleston, WV
Farm JAY STONE Acres 72
Location (waters) Thirteen Mile Creek
Well No. 942 Elev. 652
District Union County Mason
The surface of tract is owned in fee by Ed Fowler
Address Leon, WV 25123
Mineral rights are owned by Jay Stone, et al
Address Rt 3, Leon, WV 25123
Drilling Commenced December 21, 1979
Drilling Completed January 1, 1980
Initial open flow 8 MCED cxhxxx bbls.
Final production 73 MCED xxxxxay bbls.
Well open 4 hrs. before test 800 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	242	242	100 sax=to surface
8 5/8			
7	2333	2333	76 sax=625'
5 1/2			
4 1/2	4611	4611	225 sax=2400'
3			
2		3851	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated Oriskany 4503-4505 with 16 shots

Frac with 54,000# sand and 970 bbl water- test 54 MCF/Day after frac.

Set Baker plug in 4 1/2" csg @ 3930' with 20' cement plug on top. Perf.

Brown Shale 3665-3843' w/28 shots on 1/21/80. Frac Brown Shale w/60,000# sand and 320 bbl water.

Coal was encountered at None reported Feet Inches
Fresh water Feet Salt Water Feet
Producing Sand Brown Shale Depth 3665'-3843'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	5		
Shale			5	52		
Sand			52	65		
Shale			65	127		
Sand			127	141		
Shale			141	484		
Sand			484	509		
Shale			509	591		
Sand			591	613		
Shale			613	627		
Sand			627	640		
Shale			640	719		
Sand			719	753		
Shale			753	883		
Sand			883	990		
Shale			990	1079		
Sand			1079	1120		
Shale			1120	1134		
Sand			1134	1233		
Shale			1233	1253		
Sand			1253	1270		
Shale			1270	1430		
Sand			1430	1517		
Shale			1517	1601		

(over)

Indicate Electric Log tops in the remarks section.

Bottom Feet

Top Sand		1649
Line		1766
Shale		1808
Thin Sand		1950
Shale		2251
Corree Sh		2268
Berea Sand	2268	2286
Shale	2286	3434
Brown Shale	3434	3875
Shale	3875	4264
Marcellus Shale	4264	4408
Onondaga L. S.	4408	4485
Oriskany Sand	4485	4506
Heiderberg L. S.	4506	4625
Log Total Depth		4625

MAS-210

Date January 15, 1980

DEVON CORPORATION

APPROVED

A. C. Fouse
District Geologist

By

(116)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC - 3 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 November 27, 1979

Surface Owner Ed Fowler Company DEVON CORPORATION

Address Leon, W. Va. 25123 Address PO Bx 1433, Charleston, WV

Mineral Owner Jay Stone, et al Farm Jay Stone Acres 72 ac

Address Rt. 3, Leon, W. Va. 25123 Location (waters) Thirteen Mile Creek

Coal Owner Same as above Well No. 942 Elevation 652'

Address _____ District Union County Mason

Coal Operator Not operated Quadrangle Elmwood

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 8-4-80.

INSPECTOR
TO BE NOTIFIED Kenneth Butcher

ADDRESS _____

PHONE 736-4885

Robert S. [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 April 2 1977 by Jay E. Stone, et al made to Devon & Eason and recorded on the _____ day of _____ 19____, in Mason County, Book 42 Page 82

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:

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, DEVON CORPORATION
(Sign Name) A. C. House
A. C. House, Dist. Geologist
PO Box 1433
Street
Charleston,
City or Town
W. Va. 25325
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

47-053-0210

PERMIT NUMBER

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

Signed by _____

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 FWA Drilling Co. NAME Bill Endicott
 ADDRESS Box 448, Elkview, W. Va. ADDRESS PO Box 1433, Charleston, WV
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4600 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	250	250	100 sax=to surface
8 - 5/8			
7	2325	2325	75 sax=650 feet
5 1/2			
4 1/2		4600	225 sax=2400 feet
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