



New Location

Drill Deeper

Abandonment

Minimum Error of Closure One part in 200

Source of Elevation USGS BM Top Knob 5000' N. of well location El. 1119.0'

"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 EARLY MOLZE, Elsie Malze et al

Tract _____ Acres 111 Lease No. 3999

Well (Farm) No. 1 Serial No. 915

Elevation (Spirit Level) 755 SE

Quadrangle RAVENSWOOD 15'

COITAGEVILLE 7.5'

County MASON District UNION

Surveyor C. S. Yalvey Jr.

Surveyor's Registration No. 44592

File No. _____ Drawing No. _____

Date 1-6-79 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. 47-053-0168

+ 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.

FEB 6 1979

Deep well in 6-6 Foster Chapel (348) (359)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Cottageville
Permit No. 47-053-0168

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

Company DEVON CORPORATION
Address PO Box 1433, Charleston, WV 25325
Farm Farly Molze Acres 111
Location (waters) Spruce Run
Well No. 915 Elev. 775
District Union County Mason
The surface of tract is owned in fee by _____
Elsie Molze, et al
Address Rt. 1, Evans, WV 25241
Mineral rights are owned by Same as above
Address _____
Drilling Commenced September 8, 1979
Drilling Completed September 16, 1979
Initial open flow 4.6 MMCFD ~~xxxxx~~ bbls.
Final production 2 MMCFD ~~xxxxx~~ per day bbls.
Well open _____ hrs. before test 1300# RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	198	198	100 sax=to surf
8 5/8			
7	2446	2446	75 sax=650'
5 1/2			
4 1/2		4740	200 sax=2400'
3			
2			
Liners Used			

Attach copy of cementing record.

Perforated 4 1/2" casing at 4663'-4665' with 16 shots.

Frac Oriskany Sand with

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4663 - 4665

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	19		
Sand			19	50		
Shale			50	203		
Sand			203	210		
Shale			210	545		
Sand			545	555		
Shale			555	857		
Sand			857	930		
Shale			930	1060		
Sand			1060	1148		
Shale			1148	1220		
Sand			1220	1315		
Shale			1315	1365		
Sand			1365	1410		
Shale			1410	1550		
Sand			1550	1650		
Shale			1650	1705		
Maxon Sand			1705	1762		
Big Lime			1762	1896		
Shale			1896	1922		
Injun Sand			1922	2062		
Shale			2062	2366		
Coffee Shale			2366	2388		

(over)

... in the remarks section.

JUN 17 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
JAN 17 1979
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 10, 1979

Surface Owner Elsie Molze, et al
Address Rt. 1, Evans, W. Va. 25241
Mineral Owner Elsie Molze, et al
Address Rt. 1, Evans, W. Va.
Coal Owner Same as above
Address _____
Coal Operator Not operated
Address _____

Company DEVON CORPORATION
Address PO Box 1433, Charleston, W. Va.
Farm Early Molze Acres 111
Location (waters) Spruce Run
Well No. 915 Elevation 755
District Union County Mason
Quadrangle Cottageville

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 9-15-79

INSPECTOR Kenneth Butcher
TO BE NOTIFIED _____
ADDRESS Barboursville, W.Va.
PHONE 736-4885

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 December 23, 1973 by Elsie Molze, et al made to Devon & Eason and recorded on the _____ day of _____ 19 in Jackson County, Book 38 Page 1
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,
(Sign Name) A. C. Youse
A. C. Youse, Dist. Geologist
PO Box 1433
Street
Charleston,
City or Town
W. Va.
State 25325

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.

BLANKET BOND

47-053-0168

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 Box 1433, Charleston, WV
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4750 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	2425	2425	75 sax-625' feet
5 1/2			
4 1/2		4750	200 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