



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure ..... 1-200  
 Source of Elevation ..... USGS BM EL. 592' PEACHMENT VALLEY RD.  
 "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 D.L. MORRISON  
 Tract \_\_\_\_\_ Acres 126 Lease No. 4505  
 Well (Farm) No. 1 Serial No. 868  
 Elevation (Spirit Level) ~~878~~ 778 SE  
 Quadrangle 15' RAVENSWOOD, 75' COTTAGEVILLE  
 County JACKSON District RIPLEY  
 Surveyor James D. Hutton  
 Surveyor's Registration No. 179  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date APRIL 18, 1978 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. JAC-1432

+ 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.

47-035 APR 28 1978

rep Well 4950' Foster Chapel (348)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

WELL RECORD

Quadrangle Cottageville

Permit No. JAC-1432 - W

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

Company DEVON CORPORATION  
Address Box 1433, Charleston, W. Va.  
Farm Dencil L. Morrison Acres 126  
Location (waters) Roundknob Run  
Well No. 868 Elev. 778  
District Ripley County Jackson  
The surface of tract is owned in fee by \_\_\_\_\_  
Dencil L. Morrison  
Address Rt. 1, Box 65, Evans, WV  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced November 2, 1978  
Drilling Completed November 11, 1978  
Initial open flow 7 MCFD ~~XXXX~~ \_\_\_\_\_ bbls.  
Final production 103 MCFD ~~XXXXXX~~ \_\_\_\_\_ bbls.  
Well open 3 hrs. before test 1675 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	246	246	100 sax=to surface
8 5/8			
7	2531	2531	75 sax=625 feet
5 1/2			
4 1/2		4912	200 sax=2400 feet
3			
2		4114	
Liners Used			

Well treatment details: Attach copy of cementing record.  
Perforated 4 1/2" casing 4882-4884 with 16 shots. Frac oriskany with 865 bbls water and 37,000# sand. 5/12/1980 Oriskany is not commercial. Set wireline bridge plug at 4225' with 22' of calseal on top. Perf 4-1/2" csg 3946-4171 with 24 shots. Frac Br. Shale with 260 bbls. water & 55,000# sand. After treatment-open flow=250 MCF/Day.  
*FOAM FRACTION? (NOT ENOUGH WATER!)*

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Brown Shale Depth 3946-4171

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	14		
Shale			14	460		
Sand			460	510		
Shale			510	704		
Sand			704	714		
Shale			714	791		
Sand			791	810		
Shale			810	932		
Sand			932	947		
Shale			947	992		
Sand			992	1010		
Shale			1010	1172		
Sand			1172	1212		
Broken Sand			1212	1324		
Sand			1324	1387		
Shale			1387	1796		
Maxon Sand			1796	1845		
Big Lime			1845	1984		
Shale			1984	2046		
Injun Sand			2046	2099		
Shale			2099	2463		
Coffee Shale			2463	2488		
Berea Sand			2488	2502		
Shale			2502	3690		

**RECEIVED**

APR 5 - 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

(over)

\* Indicates Electric Log tops in the remarks section.

APR 28 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Brown Shale			3690	4174		
Shale			4174	4593		
Marcellus Shale			4593	4766		
Onondaga L.S.			4766	4840		
Oriskany Sand			4840	4886		
Helderberg L. S.			4886	4941		
Log Total Depth				4941'		

Date January 4, 19 79

APPROVED A. C. Youse Owner  
 BY A. C. Youse District Geologist  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

Quadrangle Cottageville

Permit No. JAC-1432

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

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Address Box 1433, Charleston, W. Va.  
Farm Dencil L. Morrison Acres 126  
Location (waters) Roundknob Run  
Well No. 868 Elev. 778  
District Ripley County Jackson  
The surface of tract is owned in fee by \_\_\_\_\_  
Dencil L. Morrison  
Address Rt. 1, Box 65, Evans, WV  
Mineral rights are owned by Same as above  
\_\_\_\_\_ Address \_\_\_\_\_  
Drilling Commenced November 2, 1978  
Drilling Completed November 11, 1978  
Initial open flow 7 MCFD or XXX bbls.  
Final production 103 MCFD xxx per day bbls.  
Well open 3 hrs. before test 1675 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	246	246	100 sax=to surface
8 5/8			
7	2531	2531	75 sax=625 feet
5 1/2			
4 1/2		4912	200 sax=2400 feet
3			
2		4701	
Liners Used			

Well treatment details:

Perforated 4 1/2" casing 4882-4884 with 16 shots. Frac oriskany with 865 bbls water and 37,000# sand.

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Oriskany Sand Depth 4882 to 4884

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	14		
Shale			14	460		
Sand			460	510		
Shale			510	704		
Sand			704	714		
Shale			714	791		
Sand			791	810		
Shale			810	932		
Sand			932	947		
Shale			947	992		
Sand			992	1010		
Shale			1010	1172		
Sand			1172	1212		
Broken Sand			1212	1324		
Sand			1324	1387		
Shale			1387	1796		
Maxon Sand			1796	1845		
Big Lime			1845	1984		
Shale			1984	2046		
Injun Sand			2046	2099		
Shale			2099	2463		
Coffee Shale			2463	2488		
Berea Sand			2488	2502		
Shale			2502	3690		

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Brown Shale			3690	4174		
Shale			4174	4593		
Marcellus Shale			4593	4766		
Onondaga L.S.			4766	4840		
Oriskany Sand			4840	4886		
Helderberg L. S.			4886	4941		
Log Total Depth				4941'		

Date January 4, 1979

APPROVED *A. C. Youse* District Geologist  
 BY A. C. Youse District Geologist



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
APR 20 1978

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 APRIL 7, 1978

Surface Owner Dencil L. Morrison

Company DEVON CORPORATION

Address Rt. 1, Box 65, Evans, W. Va.

Address Box 1433, Charleston, W. Va. 25325

Mineral Owner Dencil L. Morrison

Farm D. L. Morrison Acres 126 ac

Address Rt. 1, Box 65, Evans, W. Va. 25247

Location (waters) Roundknob Run

Coal Owner Same as above

Well No. 868 Elevation 778

Address \_\_\_\_\_

District Ripley County Jackson

Coal Operator Not Operated

Quadrangle Cottageville

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 8-24-78

INSPECTOR Richard Morris  
TO BE NOTIFIED

ADDRESS Grantsville, W. Va.

PHONE 334-7259

John A. Ladd  
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 January 24 1978 by D. L. Morrison made to Devon, Eason & P & O and recorded on the 27th day of January 1978 in Jackson County, Book 146 Page 525

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, District Geologist  
Box 1433

Address  
of  
Well Operator

Street

Charleston,

City or Town

West Virginia 25325

State

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

BLANKET BOND

\*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.

JAC-1432 PERMIT NUMBER

**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 W. Backus  
 ADDRESS Box 448, Elkview, W. Va. ADDRESS PO Box 1433, Charleston, W. Va. 25325  
 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	250	250	100 sax=to surface
8 - 5/8			
7	2550	2550	75 sax=700'
5 1/2			
4 1/2		4950	150 sax = 1800'
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