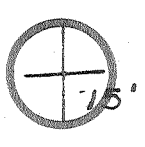
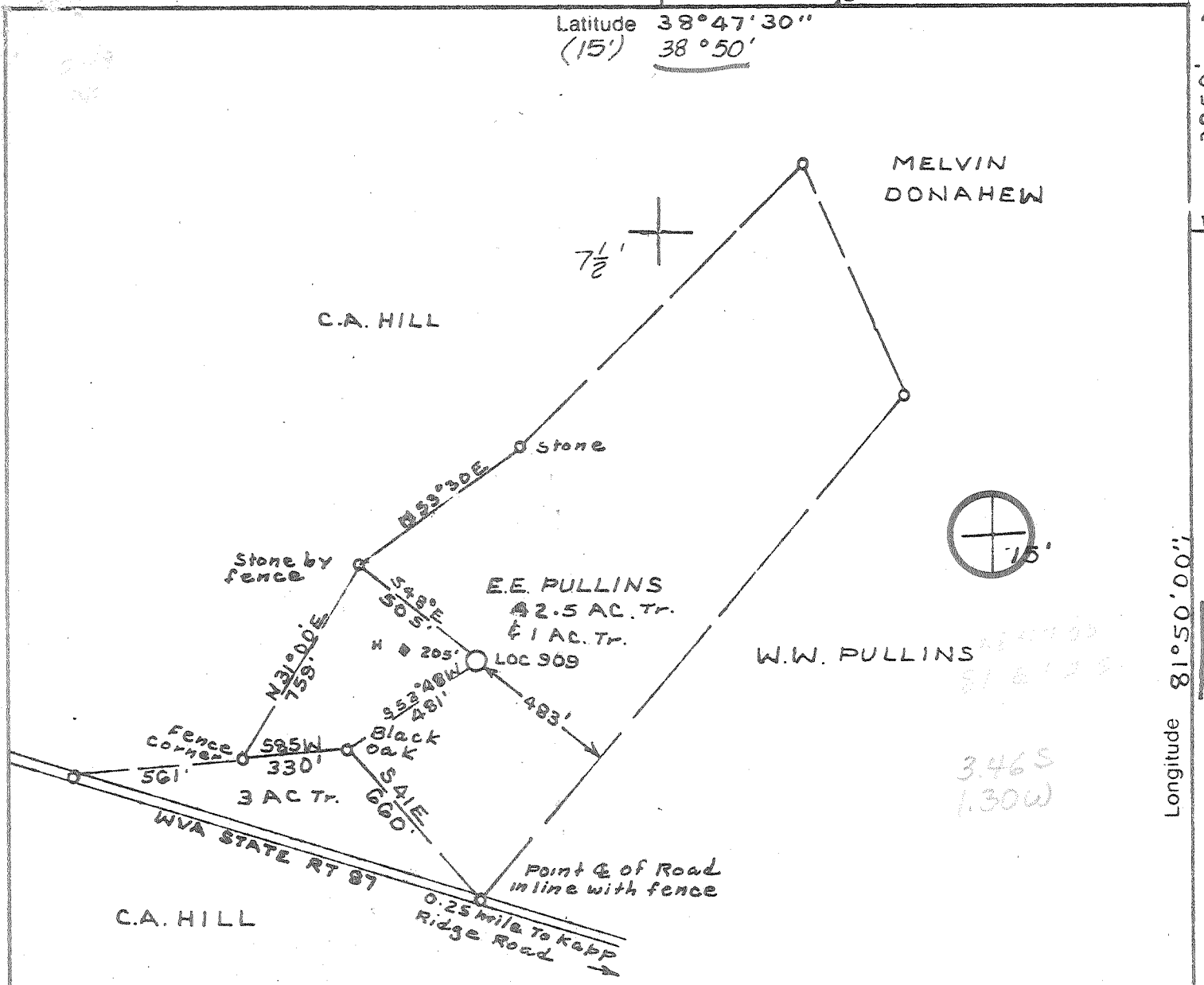


6800'

Latitude 38°47'30"  
(15') 38°50'

2950'  
Longitude 81°50'00"



**SOURCE OF ELEVATION**  
Road forks .25 mile east of well Location 984.0'

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"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 the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
Minimum degree of accuracy is one part in 200.  
Land Surveyor License N992 Legg Star Rt Box 549-B  
Sissonville WVA 25320 Signed C.J. Galley Jr.

Company DEVON CORP  
 Address P.O. BOX 1433 CHARLESTON WVA  
 Farm E.E. PULLINS, Quert Pullins  
 Lease 4394 Acres 46  
 Well Farm No. 1 Ser. No. 909  
 Elevation - Spirit Level 935.0' SC  
 Quadrangle COTTAGEVILLE, RAVENSWOOD 15'  
 Township or District COLOGNE  
 County MASON  
 Sec., Lot, Qr. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Coordinates \_\_\_\_\_  
 File No. \_\_\_\_\_ Dwg. No. \_\_\_\_\_  
 Date 5-18-78 Scale 1"=500'

**WELL LOCATION MAP**  
STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

**MAS - 151**

Scale 15'  7 1/2'

**47-053**

JUN 7 1978

*Well location 4-775 - Deep Well 6-6 Providence (359)*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Cottageville

Permit No. MAS-151

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

Company DEVON CORPORATION  
Address Box 1433, Charleston, WV  
Farm Overt Pullins Acres 46 ac  
Location (waters) Left Fk. of Cow Run  
Well No. 909 Elev. 935  
District Cologne County Mason  
The surface of tract is owned in fee by \_\_\_\_\_  
Overt Pullins, Box 91,  
Address Evans, West Virginia  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced December 5, 1978  
Drilling Completed December 13, 1978  
Initial open flow 16 MCFD ~~XXXXX~~ bbls.  
Final production 134 MCFD ~~XXXXX~~ bbls.  
Well open 2 hrs. before test 640 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	244	244	100 sax=to surf.
8 5/8			
7	2540	2540	75 sax=625 feet
5 1/2			
4 1/2		4719	200 sax=2400'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" casing 4275-4531 with 21 shots.

Fractured Marcellus with 1003 BBLs water & 57,500# sand.

Set drillable bridge plug in 4 1/2" csg. at 4050'.

9/26/80 SET PLUG AT 4040' IN 4 1/2"

Perforated 4 1/2" casing 3895-4010 with 24 shots.

Fractured Br. Shale with 315 BBLs water & 60,000# sand

Coal was encountered at None Reported Feet \_\_\_\_\_ Inches \_\_\_\_\_

Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand Brown Shale & Marcellus Depth 3895-4010 & 4275-4531

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface		<u>Tops PROBABLY</u>	0	10		
Shale		<u>FROM K.B.</u>	10	190		
Sand		<u>ABOUT 943'</u>	190	265		
Shale			265	525		
Sand			525	550		
Shale			550	648		
Sand			648	667		
Shale			667	845		
Sand			845	915		
Shale			915	1022		
Sand			1022	1092		
Shale			1092	1170		
Sand			1170	1248		
Shale			1248	1336		
Sand			1336	1372		
Shale			1372	1388		
Sand			1388	1420		
Shale			1420	1468		
Sand			1468	1507		
Shale			1507	1533		
Sand			1533	1539		
Shale			1539	1566		
Sand			1566	1574		

**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
Shale			1574	1664		
Sand			1664	1689		
Shale			1689	1774		
Maxon Sand			1774	1836		
Shale			1836	1848		
Big Lime			1848	1974		
Shale			1974	1988		
Injun Sand			1988	2117		
Shale			2117	2448		
Coffee Shale			2448	2463		
Berea Sand			2463	2480		
Shale			2480	3614		
Brown Shale			3614	4042		
Shale			4042	4428		
Marcellus Shale			4428	4561		
Onondaga L. S.			4561	4642		
Oriskany Sand			4642	4664		
Helderberg L. S.			4664	4788		
Log Total Depth				4788'		

Date January 8, 1979

APPROVED A. C. Gause Owner  
 A. C. Gause

By District Geologist  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 32

RECEIVED  
SEP - 4 1979  
47-053-0151  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Cottageville

Permit No. MAS-151

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

Company DEVON CORPORATION  
Address Box 1433, Charleston, WV  
Farm Overt Pullins Acres 46 ac  
Location (waters) Left Fk. of Cow Run  
Well No. 909 Elev. 935  
District Cologne County Mason  
The surface of tract is owned in fee by \_\_\_\_\_  
Overt Pullins, Box 91,  
Address Evans, West Virginia  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced December 5, 1978  
Drilling Completed December 13, 1978  
Initial open flow 16 MCFD ~~XXXXX~~ bbls.  
Final production 134 MCFD ~~XXXXX~~ bbls.  
Well open 2 hrs. before test 640 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	244	244	100 sax=to surf.
8 5/8			
7	2540	2540	75 sax=625 feet
5 1/2			
4 1/2		4719	200 sax=2400'
3			
2			
Liners Used			

Attach copy of cementing record.

134 MCF

Perforated 4 1/2" casing 4275-4531 with 21 shots.

Fractured Marcellus with 1003 BBLS water & 57,500# sand.

Set drillable bridge plug in 4 1/2" csg. at 4050'.

Perforated 4 1/2" casing 3895-4010 with 24 shots.

Fractured Br. Shale with 315 BBLS water & 60,000# sand

Coal was encountered at None Reported Feet \_\_\_\_\_ Inches \_\_\_\_\_

Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Brown Shale & Marcellus Depth 3895-4010 / & 4275-4531  
Dev Sh MRC

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	10		
Shale			10	190		
Sand			190	265		
Shale			265	525		
Sand			525	550		
Shale			550	648		
Sand			648	667		
Shale			667	845		
Sand			845	915		
Shale			915	1022		
Sand			1022	1092		
Shale			1092	1170		
Sand			1170	1248		
Shale			1248	1336		
Sand			1336	1372		
Shale			1372	1388		
Sand			1388	1420		
Shale			1420	1468		
Sand			1468	1507		
Shale			1507	1533		
Sand			1533	1539		
Shale			1539	1566		
Sand			1566	1574		

(over)

\* Indicates Electric Log tops in the remarks section.

47-0530151

Formation	Color	Hard or Soft	Top Feet $\frac{3}{2}$	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1574	1664		
Sand			1664	1689		
Shale			1689	1774		
Maxon Sand			1774	1836		
Shale			1836	1848		
Big Lime			1848	1974		
Shale			1974	1988		
Injun Sand			1988	2117		
Shale			2117	2448		
Coffee Shale			2448	2463		
Berea Sand			2463	2480		
Shale			2480	3614		
Brown Shale			3614	4042		
Shale			4042	4428		
Marcellus Shale			4428	4561		
Onondaga L. S.			4561	4642		
Oriskany Sand			4642	4664		
Helderberg L. S.			4664	4788		
Log Total Depth				4788'		

Date January 8 1979

DEVON CORPORATION

APPROVED

*A. C. House*  
A. C. House

Owner

By District Geologist  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY 8 1978

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 May 8, 1978

Surface Owner Overt Pullins

Company DEVON CORPORATION

Address \_\_\_\_\_

Address PO Box 1433, Charleston, WV

Mineral Owner Overt Pullins

Farm Overt Pullins Acres 46 ac

Address Rt. 1, Box 91, Evans, W. Va.

Location (waters) Left Ek. of Cow Run

Coal Owner Same as above

Well No. 909 Elevation 935

Address \_\_\_\_\_

District Cologne County Mason

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 9-24-78.

INSPECTOR TO BE NOTIFIED Kenneth Butcher

ADDRESS Barboursville, W. Va.

PHONE 736-4885

*Robert T. Bell*

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 May 3 1977 by Overt Pullins, et ux made to Devon & Eason and recorded on the \_\_\_\_\_ day of \_\_\_\_\_

19  , in Mason County, Book 42 Page 110

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, <sup>Well Operator</sup> Dist. Geologist.  
PO Box 1433

Address \_\_\_\_\_  
of \_\_\_\_\_  
Well Operator \_\_\_\_\_  
\_\_\_\_\_ Street \_\_\_\_\_  
\_\_\_\_\_ City or Town \_\_\_\_\_  
\_\_\_\_\_ WV 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.

BLANKET BOND

**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, Flkview, W. Va. ADDRESS Box 1433, Charleston, WV  
 TELEPHONE 965-3379 TELEPHONE 342-3171  
 ESTIMATED DEPTH OF COMPLETED WELL: 4775 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=625'
5 1/2			
4 1/2		4775	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