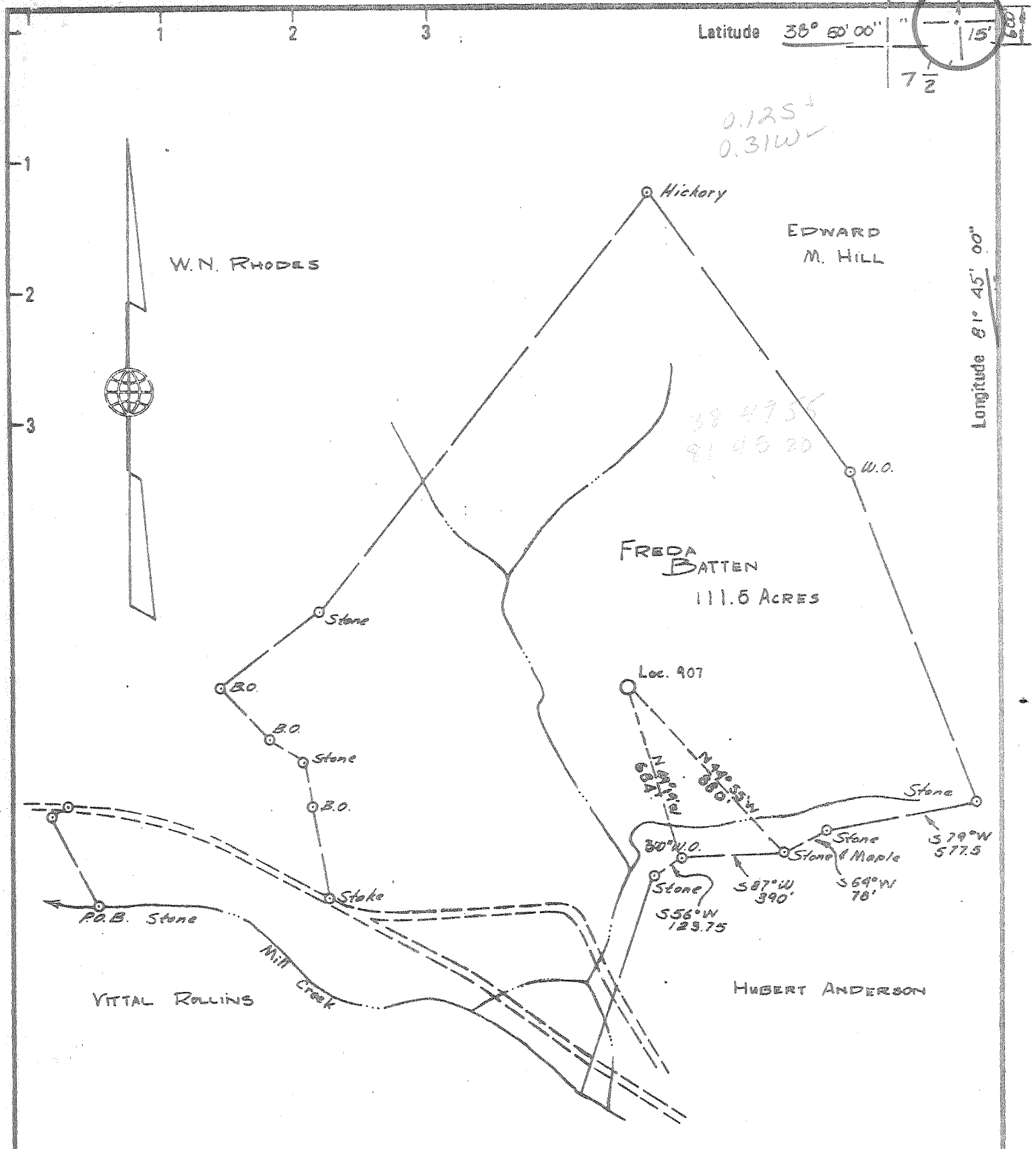


Latitude 38° 50' 00"

Longitude 81° 45' 00"



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation
 Forks of road Rt. 33 & 87 El. 600'
 "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 FREDA BATTEN, Wm & Arlene B. Keryla
 Tract _____ Acres 111.5 Lease No. 2651
 Well (Farm) No. 1 Serial No. 907
 Elevation (Spirit Level) 765' SE
 Quadrangle 7.5' COTTAGEVILLE, 15' RAVENSWOOD
 County JACKSON District RIPLEY
 Surveyor C. Y. Valley Jr.
 Surveyor's Registration No. 92
 File No. _____ Drawing No. _____
 Date 5-22-78 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. JAC - 1444

+ 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 JUN 7 1978

6 North Ripley (342) Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Cottageville
Permit No. JAC-1444-W

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

Company <u>DEVON CORPORATION</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1433, Charleston, W. Va.</u>				
Farm <u>Freda Batten</u> Acres <u>111</u> ac	Size			
Location (waters) <u>Mill Creek</u>	20-16			
Well No. <u>907</u> Elev. <u>765</u>	Cond.			
District <u>Ripley</u> County <u>Jackson</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8	243	243	100 sax=to surf.
<u>William C. Kuryla, 113 Chiles St.</u>	8 5/8			
Address <u>St. Albans, W. Va.</u>	7	2482	2482	75 sax=625'
Mineral rights are owned by <u>Freda Batten</u>	5 1/2			
Address <u>513 N. Ritchie, Ravenswood</u>	4 1/2		4846	200 sax=2400'
Drilling Commenced <u>December 6, 1978</u>	3			
Drilling Completed <u>December 13, 1978</u>	2		3847	
Initial open flow <u>20 MCFD</u> XXXX _____ bbls.	Liners Used			
Final production <u>150 MCFD</u> cu. ft. per day _____ bbls.				
Well open <u>4</u> hrs. before test <u>1380</u> RP.				

Well treatment details: Attach copy of cementing record.
Perforated 4 1/2" casing 4786' to 4788' with 16 shots.

Frac Oriskany Sand with 1000 gallons HCL, 905 BBLS water and 43,500# sand.
5/5/1980 Oriskany is not commercial. Set bridge plug at 4125' with 10' calseal
plug on top. Perf 3835 to 4028 with 25 shots. Frac Brown Shale w/270 bbls water
& 60,000# sand. OF=75MCFD RP=620 PSI in 12 hrs.

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4786-4788

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	13		
Sand			13	40		
Shale			40	90		
Sand			90	116		
Shale			116	222		
Sand			222	270		
Shale			270	420		
Sand			420	440		
Shale			440	570		
Sand			570	588		
Shale			588	652		
Sand			652	673		
Shale			673	726		
Sand			726	748		
Shale			748	866		
Sand			866	883		
Shale			883	908		
Sand			908	918		
Shale			918	940		
Sand			940	958		
Shale			958	1044		
Sand			1044	1194		
Shale			1194	1250		
Sand			1250	1366		

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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			1366	1402		
Sand			1402	1440		
Shale			1440	1586		
Sand			1586	1593		
Shale			1593	1700		
Maxon Sand			1700	1774		
Big Lime			1774	1878		
Shale			1878	1920		
Injun Sand			1920	2037		
Shale			2037	2348		
Coffee Shale			2348	2371		
Berea Sand			2371	2375		
Shale			2375	3571		
Brown Shale			3571	4066		
Shale			4066	4475		
Marcellus Shale			4475	4665		
Onondaga L. S.			4665	4748		
Oriskany Sand			4748	4794		
Helderberg L. S.			4794	4864		
Log Total Depth				4864'		

Date January 8, 1979

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



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SEP - 4 1979

47-035-1444

OIL & GAS DIVISION

DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 12

Quadrangle Cottageville

Permit No. JAC-1444

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

Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Freda Batten Acres 111 ac
Location (waters) Mill Creek
Well No. 907 Elev. 765
District Ripley County Jackson
The surface of tract is owned in fee by _____
William C. Kuryla, 113 Chiles St.
Address St. Albans, W. Va.
Mineral rights are owned by Freda Batten
Address 513 N. Ritchie, Ravenswood
Drilling Commenced December 6, 1978 W. VA.
Drilling Completed December 13, 1978
Initial open flow 20 MCFD ~~XXXX~~ bbls.
Final production 150 MCFD cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1380 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	243	243	100 sax=to surf.
8 5/8			
7	2482	2482	75 sax=625'
5 1/2			
4 1/2		4846	200 sax=2400'
3			
2			
Liners Used			

Well treatment details:

Perforated 4 1/2" casing 4786' to 4788' with 16 shots.

Attach copy of cementing record.

Frac. Oriskany Sand with 1000 gallons HCL, 905 BBLS water and 43,500# sand.

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4786-4788

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	13		
Sand			13	40		
Shale			40	90		
Sand			90	116		
Shale			116	222		
Sand			222	270		
Shale			270	420		
Sand			420	440		
Shale			440	570		
Sand			570	588		
Shale			588	652		
Sand			652	673		
Shale			673	726		
Sand			726	748		
Shale			748	866		
Sand			866	883		
Shale			883	908		
Sand			908	918		
Shale			918	940		
Sand			940	958		
Shale			958	1044		
Sand			1044	1194		
Shale			1194	1250		
Sand			1250	1366		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet / 8	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1366	1402		
Sand			1402	1440		
Shale			1440	1586		
Sand			1586	1593		
Shale			1593	1700		
Maxon Sand			1700	1774		
Big Lime			1774	1878		
Shale			1878	1920		
Injun Sand			1920	2037		
Shale			2037	2348		
Coffee Shale			2348	2371		
Berea Sand			2371	2375		
Shale			2375	3571		
Brown Shale			3571	4066		
Shale			4066	4475		
Marcellus Shale			4475	4665		
Onondaga L. S.			4665	4748		
Oriskany Sand			4748	4794		
Helderberg L. S.			4794	4864		
Log Total Depth				4864		

Date January 8, 1979

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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MAY 31 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 William C. & Arlene B. Kuryla

Company DEVON CORPORATION

Address 113 Chiles St., St. Albans, W. Va.

Address PO Box 1433, Charleston, WV

Mineral Owner Freda Batten, et al

Farm Freda Batten Acres 111.50 ac

Address 513 N. Ritchie, Ravenswood, WV

Location (waters) Mill Creek

Coal Owner Same as above

Well No. 907 Elevation 765

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 10-1-78

INSPECTOR Richard J. Morris
TO BE NOTIFIED _____

ADDRESS P.O. Box 372, Grantsville, W.Va.

PHONE 354-7259

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 June 4 1970 by Freda Batten, et al made to Commonwealth Gas and recorded on the _____ day of _____ 19 , in Jackson County, Book 115 Page 257
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. Youse
A. C. Youse, Well Operator
Dist. Geologist
PO Box 1433
Street
Charleston,
City or Town
West Virginia 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

JAC-1444

PERMIT NUMBER

47-035

Shuman

**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, W. Va.
 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	2500	2500	75 sax=625'
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