

Longitude 81° 50' 30"  
 (15')  
 Longitude 81° 52' 30"  
 6,050'

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1-200'  
 Source of Elevation U.S.G.S BM V-112 El 961.0' 27' south of Manila Ridge Road 3600' northeast of location  
 "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 W.V.  
 Farm D. M. STOVER  
 Tract \_\_\_\_\_ Acres 139 Lease No. 2246  
 Well (Farm) No. 1 Serial No. 945  
 Elevation (Spirit Level) 814.68'  
 Quadrangle ROBERTSBURG 15' L  
 County PUTNAM District BUFFALO  
 Surveyor C. Y. Valley Jr.  
 Surveyor Registration No. 92  
 File No. JK 48 B 93 Drawing No. \_\_\_\_\_  
 Date DEC. 8, 1979 Scale 1" = 500'

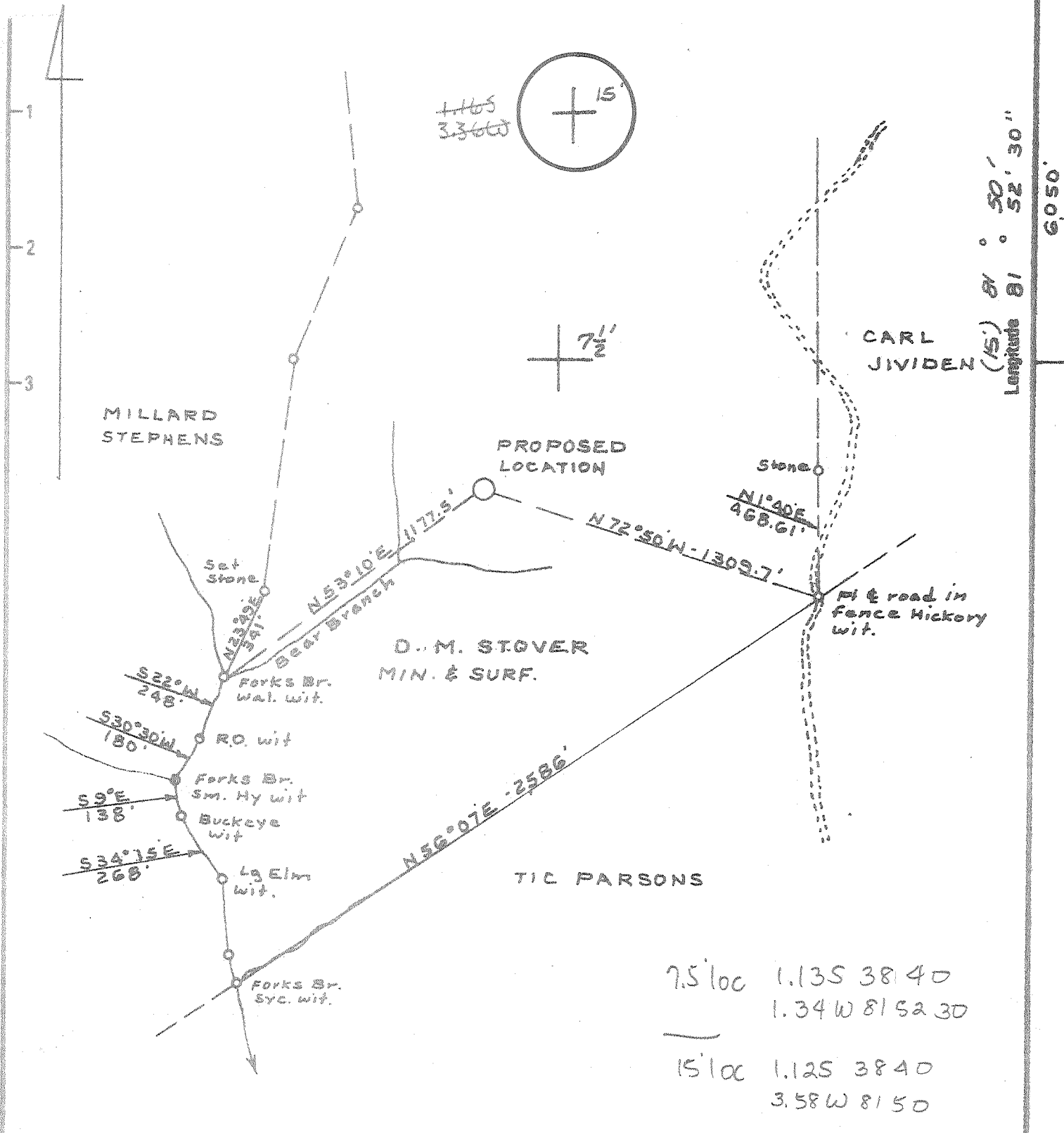
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. 47-079-0943-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000 latitude and longitude lines being represented by border lines as shown.

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

SEP 9 1980



7.5 loc 1.135 38140  
 1.34W 815230  
 15 loc 1.125 3840  
 3.58W 8150

- New Location
- Drill Deeper
- Abandonment

Minimum Error of Closure 1-200'  
 Source of Elevation U.S.G.S. B.M. V-112 E.I. 961.0' 27' south of Manila Ridge Road 3600' north east of location  
 "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."

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 Surveyor C. Y. Valley Jr.  
 Surveyor Registration No. 92  
 File No. BK 48 Pg 93 Drawing No. \_\_\_\_\_  
 Date DEC. 8, 1979 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. 079-0943

+ Denotes location of well on United States Topographic Maps, scale 1 to 25000 latitude and longitude lines being represented by border lines as shown.  
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RECEIVED

DEPT. OF MINES

Land and Gas Division DEPT. OF MINES

WELL RECORD

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

Quadrangle Robertsburg  
Permit No. PLT 943

Company DEVON CORPORATION  
Address P. O. Box 1433, Charleston, WV  
Name D. M. Stover Acres 139  
Location (waters) Bear Branch  
Well No. 945 Elev. 814.68  
District Buffalo County Putnam  
The surface of tract is owned in fee by D. M. Stover  
Address Red House, WV 25168  
Mineral rights are owned by Same as above  
Address:  
Drilling Commenced 7-24-80  
Drilling Completed 7-31-80  
Initial open flow 1000 cu. ft. (1.0 MCF) XXXX  
Final production \_\_\_\_\_ cu. ft. per day XXXX  
Well open \_\_\_\_\_ hrs. before test RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 10-3/4	210	210	100 sx (surf)
9 5/8			
8 5/8			
7	2525	2525	76 sx (620')
5 1/2			
4 1/2	4721	4721	225 sx (2970')
3			
2			
Liners Used			

Page Sept 1980

Well treatment details: Attach copy of cementing record.  
Well fractured with 15,000# 80/100 sand, 45,000# sand and 1072 bbls water.  
Ave. PSI 4302#, ave. rate 19.3 bbls/min., 187,000 SCF Total N<sub>2</sub>

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Oriskany Sand Depth 4645-4647

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Soil			0	12		
Shale			12	48		
Sand			48	96		
Shale			96	222		
Sand			222	244		
Shale			244	484		
Sand			484	502		
Shale			502	629		
Sand			629	645		
Shale			645	657		
Sand			657	671		
Shale			671	899		
Sand			899	971		
Shale			971	1268		
Sand			1268	1291		
Shale			1291	1347		
Sand			1347	1373		
Shale			1373	1494		
Sand			1494	1501		
Shale			1501	1541		
Sand			1541	1611		
Shale			1611	1664		
Sand			1664	1724		
Shale			1724	1789		

Indicates Electric Log logs in the same section (over)

	Feet	Feet	Remarks
Sand	789	1804	
Big Lime	1804	1944	
Shale	1944	1996	
Injun Sand	1996	2141	
Shale	2141	2446	
Coffee Shale	2446	2462	
Berea Sand	2462	2486	
Shale	2486	3624	
Brown Shale	3624	4038	
Shale	4038	4416	
Marcellus Shale	4416	4554	
Onondaga L. S.	4554	4635	
Oriskany Sand	4635	4651	
Heiderberg L. S.	4651	4734	
T. D.	4734		

Date August 14, 1960  
**DEVON CORPORATION**  
 APPROVED [Signature]  
**Paul Niemann**  
 Geologist



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

DEC 11 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 December 10, 1979

Surface Owner D. M. Stover Company DEVON CORPORATION  
 Address Red House, WV 25168 Address PO Box 1433, Charleston, WV  
 Mineral Owner Same as above Farm D. M. Stover Acres 139  
 Address \_\_\_\_\_ Location (waters) Bear Branch  
 Coal Owner Same as above Well No. 945 Elevation 814.68  
 Address \_\_\_\_\_ District Buffalo County Putnam  
 Coal Operator Not operated Quadrangle Robertsburg  
 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 8-19-80.

INSPECTOR Martin Nichols  
 TO BE NOTIFIED \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 PHONE 548-6993

*Robert H. [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 July 6, 1972 by J. C. Stover, et al made to Commonwealth Gas and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19  , in Putnam County, Book 216 Page 8  
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  
 Well Operator  
A. C. Youse, District Geologist  
PO Box 1433  
 Street  
Charleston,  
 City or Town  
West Virginia  
 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

47-079-0943

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 Company 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: 4725 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 surf.
8 - 5/8			
7	2450	2450	75 sax=625 feet
5 1/2			
4 1/2		4725	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

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

RECEIVED  
SEP 29 1983

AFFIDAVIT OF PLUGGING AND FILLING WELL OIL & GAS DIVISION  
DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Not Operated

COAL OPERATOR OR OWNER: D. M. Stover  
ADDRESS: Red House, WV

COAL OPERATOR OR OWNER: D. M. Stover  
ADDRESS: Red House, WV

LEASE OR PROPERTY OWNER: D. M. Stover  
ADDRESS: Red House, WV

Devon Corporation  
NAME OF WELL OPERATOR: Devon Corporation  
Box 1433, Charleston, WV 25325  
COMPLETE ADDRESS: September 20, 1983  
WELL AND LOCATION: Buffalo District  
Putnam County  
Well No. 945  
D. M. Stover Farm

STATE INSPECTOR SUPERVISING PLUGGING: Martin Nichols

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha } ss:

*Howard May* and *Harvey Flowers*  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Devon Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of September, 1980, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			SIZE & KIND	CSG PULLED / CSG LEFT IN
Oriskany Sand	Total depth of well is 4734' with 4 1/2" casing set at 4721'.			
	Set wireline bridge plug in 4 1/2" casing at 4600' with 10' Calseal plug on top.			
	Cut 4 1/2" casing at cement top at 2970'			
	Filled hole with gel to 2550'.			
	Set 50' cement plug 2500' to 2550' in bottom of 7" casing			
	Tested Big Lime and Maxon through 7" casing.			
	Cut 7" casing at free point and set 50' cement plug across casing cut.			
	Filled hole with gel to 225'.			
	Set 50' cement plug 175' to 225' in bottom of 9 5/8" casing			
	Bridged hole @ 50' and filled with cement to surface. Installed monument at surface.			
	Cleaned up and reclaimed location and road in accordance with reclamation plan filed previously.			
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		30" above surface with inscription		
(NAME)		Devon Energy Corporation Well #945		
(NAME)		Permit #47-079-0943-P		
(NAME)		Abandoned September 10, 1980		

and that the work of plugging and filling said well was completed on the 10th day of September, 1980.

And further deponents saith not.

Sworn to and subscribed before me this 23rd day of September, 1983.

My commission expires:

1-26-92

*Howard May*  
*Harvey Flowers*  
*David W. Kimberling*  
Notary Public.

Permit No. 47-079-0943-P

PJT 943 P