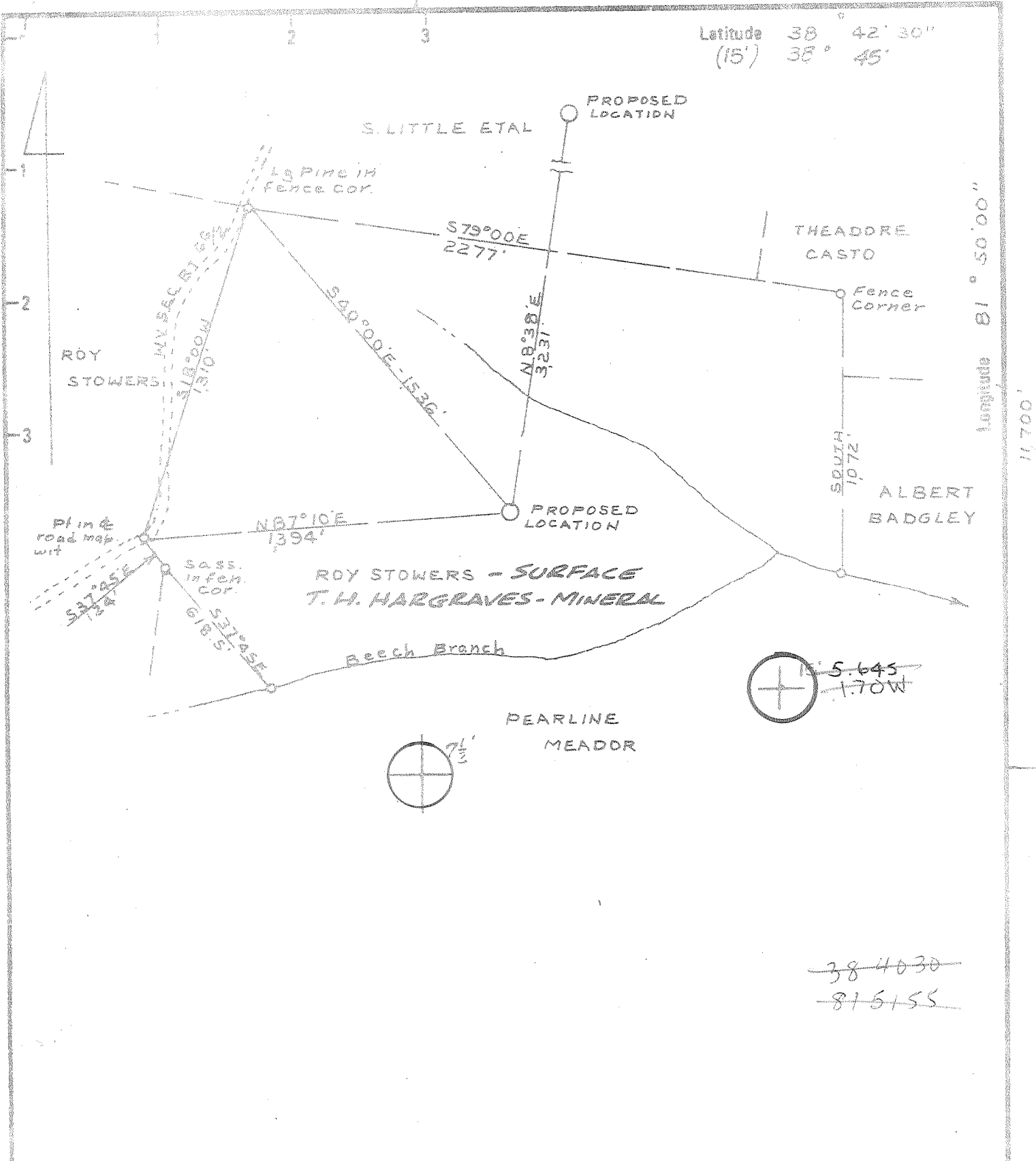


8,900'

11/15/79

Latitude 38° 42' 30"
(15') 38° 45'



Longitude 81° 50' 00"
11,700'

ROY STOWERS - SURFACE
T. H. HARGRAVES - MINERAL

Beech Branch

PEARLINE MEADOR

5.645
1.70W

~~38 40 30~~
~~81 51 55~~

- New Location
- Drill Desper
- Abandonment

Minimum Error of Closure 1-200
Source of Elevation ROAD FORKS NORTH OF LOC. EL. 951.0'

"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, W.V.
 Farm THELMA HARGRAVES
 Tract _____ Acres 75.3 Lease No. 2364
 Well (Farm) No. L Serial No. 936
 Elevation (Spirit Level) 933.0'
 Quadrangle ELMWOOD 7.5' WINFIELD 15' NC
 County MASON District UNION
 Surveyor G. J. [Signature]
 Surveyor's Registration No. 52
 File No. BX 48 PG 62 Drawing No. _____
 Date 10-20-79 Scale 1"=500'

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

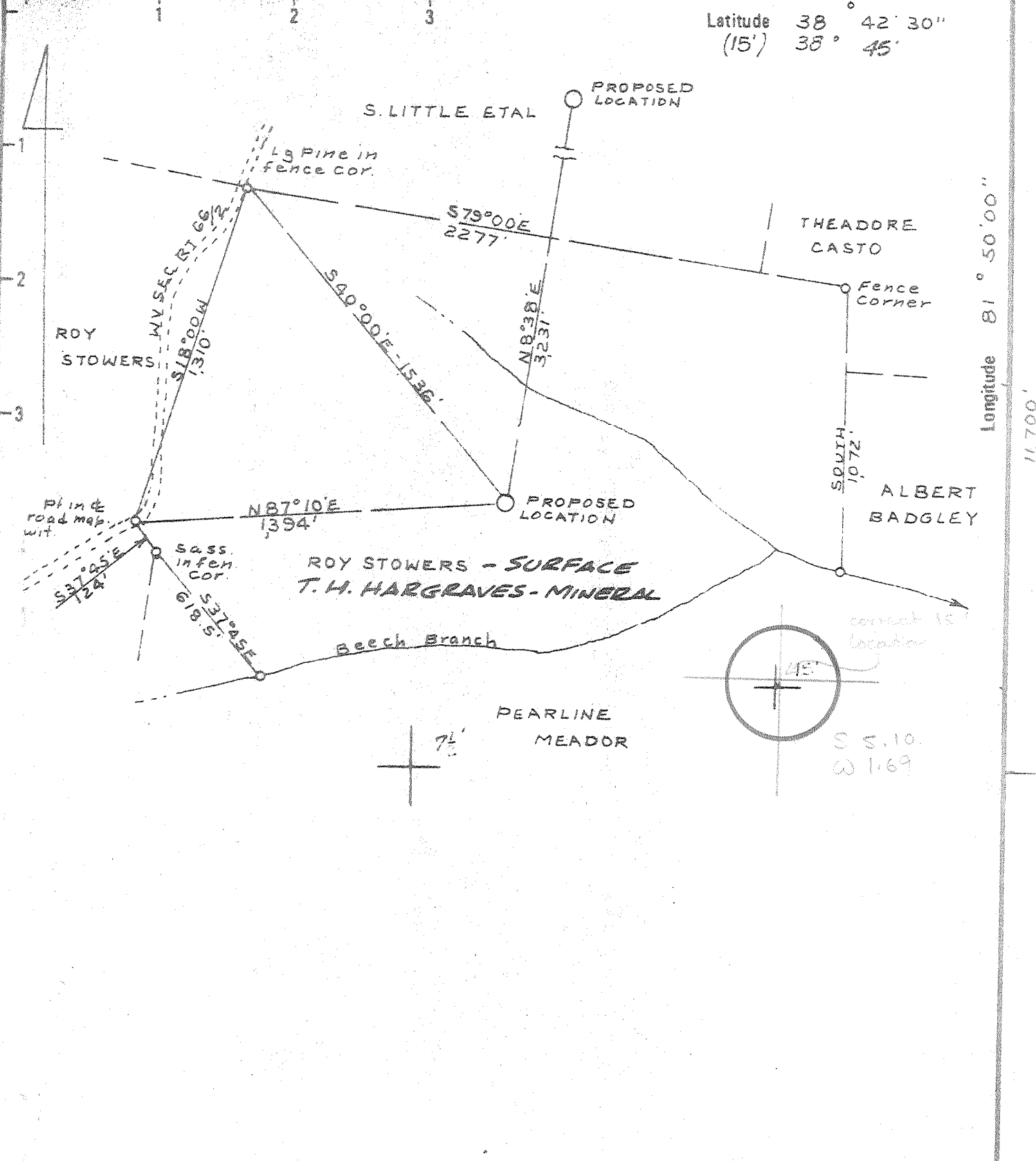
WELL LOCATION MAP
FILE NO. 47-053-0205-P

+ 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 lines of original tracing.

Deep Well
SEP 9 1980

6-0 Rock Castle (346) 346



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1-200
 Source of Elevation ROAD FORKS NORTH OF LOC EL. 951.0'
 "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 W.V.
 Farm THELMA HARGRAVES
 Tract _____ Acres 75.3 Lease No. 2364
 Well (Farm) No. 1 Serial No. 936
 Elevation (Spirit Level) 933.0' NC
 Quadrangle ELMWOOD 7.5', WINFIELD 15'
 County MASON District UNION
 Surveyor C. J. Collier Jr.
 Surveyor's Registration No. 92
 File No. BK 48 PG 62 Drawing No. _____
 Date 10-20-79 Scale 1"=500'

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

WELL LOCATION MAP
 FILE NO. **47-053-0205**

+ 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.

DEC 6 1979

SC 25 Quarry Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED
AUG 1 1980

WELL RECORD

Quadrangle Elmwood

Permit No. MAS 205
53

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

Company DEVON CORPORATION
Address P. O. Box 1433, Charleston, WV
Farm Theima Hargraves Acres _____
Location (waters) Warner Branch
Well No. 936 Elev. 933
District Union County Mason
The surface of tract is owned in fee by _____
Roy W. Stowers
Address Robertsburg, WV
Mineral rights are owned by Theima Hargraves,
et al Address 2362 Adams Ave., St. Albans
WV
Drilling Commenced 6-24-80
Drilling Completed 7-1-80
Initial open flow 2000 cu. ft. _____ xxx
Final production 17 MCFD xxx per day _____ xxx
Well open 4 hrs. before test 760 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	733	733	300 sx (surf)
8 5/8			
7	2673	2673	75 sx (620')
5 1/2			
4 1/2		4951	225 sx (2687')
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Oriskany was fractured with 814 bbls water, 15,000# 80/100 sand, 35,000# 20/40 sand.
Ave. pressure 3962 PSI, Ave. Rate 18.8 bbls/min. - bridge plug set at 4300'. Brown
Shale was fractured with 258 bbls water; 15,000# 80/100 sand; 45,000# 20/40 sand;
545,000 N₂ Ave. PSI - 2000#. Ave. rate 11 bbls/min.

Coal was encountered at 664-674 Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Brown Shale Depth 3777-4170

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	14		
Shale			14	42		
Sand			42	74		
Shale			74	214		
Sand			214	254		
Shale			254	283		
Sand			283	296		
Shale			296	394		
Sand			394	445		
Shale			445	487		
Sand			487	546		
Shale			546	664		
Coal			664	674		
Shale			674	875		
Sand			875	883		
Shale			883	934		
Sand			934	956		
Shale			956	985		
Sand			985	1003		
Shale			1003	1049		
Sand			1049	1070		
Shale			1070	1134		
Sand			1134	1182		
Shale			1182	1213		

*Tops probably from
KB - ABOUT 941'*

(over)

* Indicates Electric Log tops in the remarks section.

SEP 16 1980

Formation	Color	Hard or Soft	Top Feet ²⁰	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1213	1219		
Shale			1219	1245		
Sand			1245	1258		
Shale			1258	1282		
Sand			1282	1293		
Shale			1293	1384		
Sand			1384	1477		
Shale			1477	1703		
Sand			1703	1721		
Shale			1721	1773		
Sand			1773	1803		
Shale			1803	1826		
Sand			1826	1850		
Shale			1850	1901		
Big Lime			1901	2076		
Shale			2076	2112		
Injun Sand			2112	2260		
Shale			2260	2558		
Coffee Shale			2558	2580		
Berea Sand			2580	2598		
Shale			2598	3767		
Brown Shale			3767	4202		
Shale			4202	4580		
Marcellus Shale			4580	4738		
Onondaga L. S.			4738	4811		
Oriskany Sand			4811	4828		
Helderberg L. S.			4828	4959		
T. D.			4959			

Date August 14 1980
DEVON CORPORATION

APPROVED _____
By Paul Wiemann, Owner
Geologist



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 15 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 November 9, 1979

Surface Owner Roy W. Stowers Company DEVON CORPORATION

Address Robertsburg, W. Va. Address Box 1433, Charleston, W. Va.

Mineral Owner Thelma H. Hargraves, et al Farm Thelma H. Hargraves Acres 75½

Address 2362 Adams Ave., St. Albans, W. Va. 25177 Location (waters) Warner Branch

Coal Owner Union Carbide Well No. 936 Elevation 933

Address Sanderson, W. Va. District Union County Mason

Coal Operator Not Operated Quadrangle Elmwood

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 7-16-80

INSPECTOR TO BE NOTIFIED Kenneth Butcher

ADDRESS _____

PHONE _____

Robert H. Lamb
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 1 1974 by Thelma H. Hargraves made to Devon & Eason and recorded on the _____ day of _____ 19____, in Mason County, Book 38 Page 304

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

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
W. Va.,
State

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

47-053-0205 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, W. Va.
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 5025 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	725	725	300 sax=to surf.
8 - 5/8			
7	2700	2700	75 sax=600'
5 1/2			
4 1/2		5025	225 sax=2400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS + 272
 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.

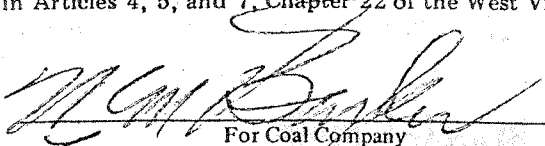
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

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

RECEIVED

JAN 1 1 1982

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

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
ADDRESS
Union Carbide Corporation
COAL OPERATOR OR OWNER
Sanderson, West Virginia
ADDRESS
Thelma Hargraves
LEASE OR PROPERTY OWNER
2362 Adams Avenue, St. Albans, WV.
ADDRESS

Devon Corporation
NAME OF WELL OPERATOR
P. O. Box 1433, Charleston, WV 25325
COMPLETE ADDRESS
August 29, 19 80
WELL AND LOCATION
Union District
Mason County
Well No. 936
Thelma Hargraves Farm

STATE INSPECTOR SUPERVISING PLUGGING... Kenneth Butcher, Barboursville, WV

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha } SS:

Bill M. Endicott and Well Service
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 29th day of August, 19 80, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
Oriskany Sand	Filled hole with cement from 3600' to 4300' (60 sacks) across Brown Shale perforations at 3777' to 4170'.			
	Cut 4 1/2" casing at cement top (approximately 2250') & lay down 4 1/2" casing.			
	Cut 7" casing at free point & set 50' cement plug (20 sacks) across casing cut.			
	Set 50' cement plug (25 sacks) from 700' to 750' in bottom of 9 5/8" casing.			
	Bridge hole at 50' and filled with cement (25 sacks) to surface.			
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		30" above surface with inscription		
(NAME)		"Devon Corporation - Well 936 -		
(NAME)		Permit 47- 53-0205- Abandoned		
(NAME)		8-29-80		

and that the work of plugging and filling said well was completed on the 29th day of August, 19 80.

And further deponents saith not.

Bill M. Endicott
Edward May

Sworn to and subscribed before me this 8th day of September, 19 80.

My commission expires:

March 27, 1990

Notary Public.

Permit No. 47-053-0205