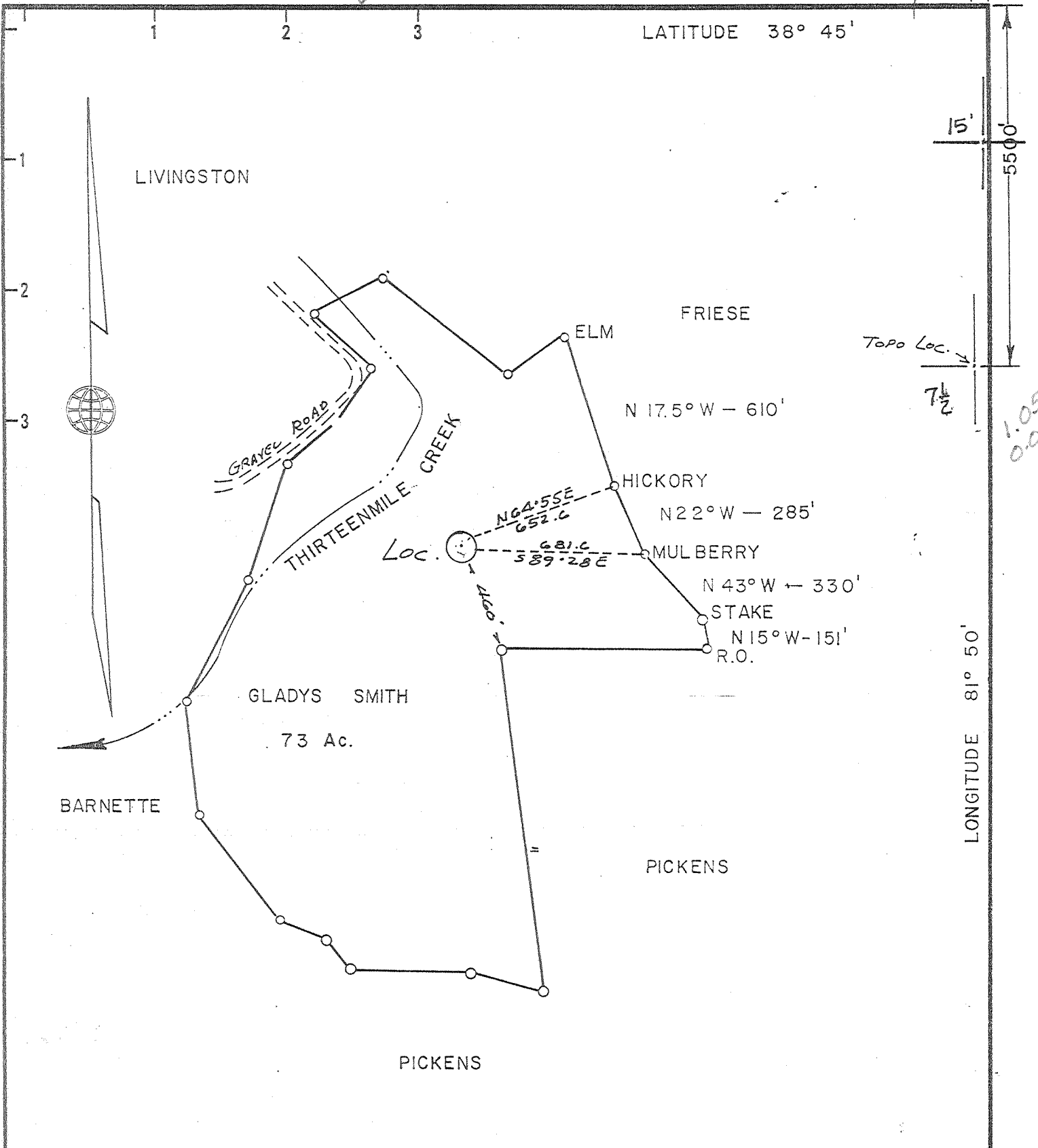


2/23/79



1.055
0.055

LONGITUDE 81° 50'

<p>New Location <input checked="" type="checkbox"/></p> <p>Drill Deeper <input type="checkbox"/></p> <p>Abandonment <input type="checkbox"/></p>	<p>Minimum Error of Closure <u>1 in 200</u></p> <p>Source of Elevation <u>USGS ELEV. 951' ROAD INTERSECTION</u></p> <p>"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."</p>
--	--

Company	DEVON CORP. <i>Mountaineer Gas Services, Inc.</i>
Address	P.O. BOX 1433 CHARLESTON, W.V.
Farm	GLADYS SMITH <i>et al</i>
Tract	Acres <u>73</u> Lease No. <u>3511</u>
Well (Farm) No.	<u>1</u> Serial No. <u>891</u>
Elevation (Spirit Level)	<u>749.6</u>
Quadrangle	ELMWOOD, 7.5', WINFIELD, 15'
County	MASON District UNION
Surveyor	<i>James D. Seltzer</i>
Surveyor's Registration No.	<u>149</u>
File No.	Drawing No.
Date	<u>2-22-79</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP
FILE NO. 47-053-0177 W

G

+ 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.

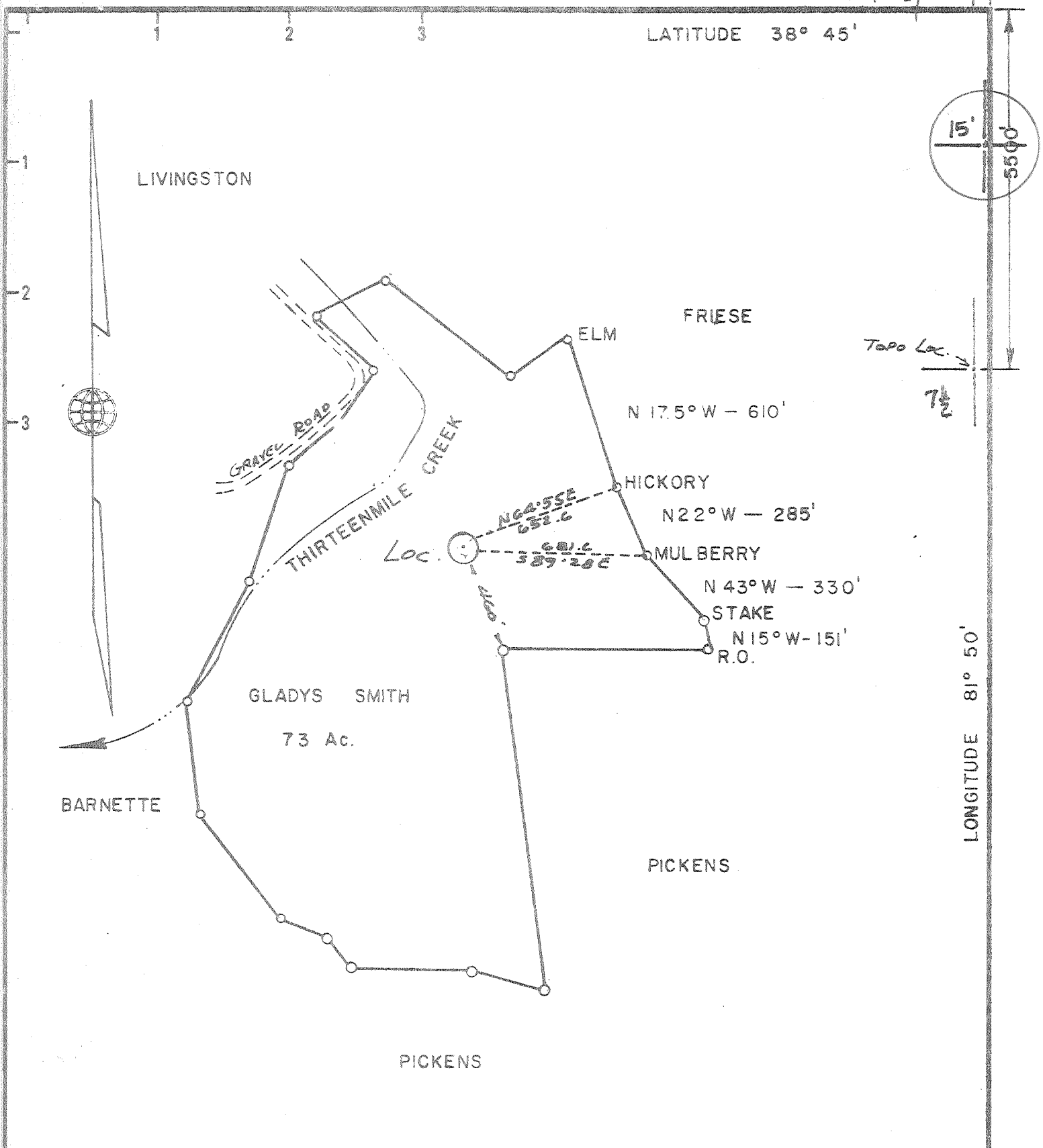
- Denotes one inch spaces on border line of original tracing.

MASON 0177W

4000' Oil & Gas Sand

2/28/79

220



New Location Minimum Error of Closure 1 in 200
 Drill Deeper Source of Elevation USGS ELEV. 951' ROAD INTERSECTION
 Abandonment

"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 GLADYS SMITH et al
 Tract _____ Acres 73 Lease No. 3511
 Well (Farm) No. 1 Serial No. 891
 Elevation (Spirit Level) 749.6 NC
 Quadrangle ELMWOOD, 7.5', WINFIELD, 15'
 County MASON District UNION
 Surveyor James D. Seltzer
 Surveyor's Registration No. 149
 File No. _____ Drawing No. _____
 Date 2-22-79 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 47-053-0177

+ 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.

MAR 15 1979

DEEP WELL 4900' On shaly Sand l-b Rock Castle (346)

DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD

Quadrangle E1: 100
Permit No. 47-053-0177

Rotary XXX Oil XXX
Cable XXX Gas XXX
Recycling XXX Comb. XXX
Water Flood XXX Storage XXX
Disposal XXX (if used)

Company DEVON CORPORATION
Address Box 1433, Charleston, WV
Farm Gladys Smith Acres 73
Location (waters) Thirteen Mile Creek
Well No. 891 Elev. 749.6
District Union County Mason
The surface of tract is owned in fee by Gladys Smith, et al
Address Rt. 1, Box 51, Leon, WV 25123
Mineral rights are owned by Same as above
Address _____
Drilling Commenced October 17, 1979
Drilling Completed October 25, 1979
Initial open flow 102 M/D XXX bbls.
Final production 1,838 M/D XXXXXXXXXX bbls.
Well open Two hrs. before test 1800 PSI XXX

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up, Cu. ft. (Sls.)
Size			
20-16			
Cond.			
13-10"			
9 5/8	239	239	100 sax-to su
8 5/8			
7	2537	2537	75 sax=650"
5 1/2			
4 1/2		4835	225 sax=2400"
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" csg. 4689'-4691' with 16 shots

Frac Oriskany Sand with 715 BBLS water and 45,000# sand

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4689-4691

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	50		
Shale			50	120		
Sand			120	135		
Shale			135	171		
Sand			171	258		
Shale			258	335		
Sand			335	380		
Shale			380	612		
Sand			612	635		
Shale			635	865		
Sand			865	935		
Shale			935	1013		
Salt Sand			1013	1120		
Shale			1120	1215		
Salt Sand			1215	1320		
Shale			1320	1380		
Sand			1380	1402		
Shale			1402	1750		
Maxon Sand			1750	1800		
Big Lime			1800	1888		
Shale			1888	1957		
Injun Sand			1957	2075		
Shale			2075	2377		
Coffee Shale			2377	2398		

(over)

* Indicates Electric log tops in the remarks section.

Mason 177

Description	Top	Bottom Feet	Casing Water	Remarks
Berea Sand	2398	2413		
Shale	2413	3580		
Brown Shale	3580	4036		
Shale	4036	4435		
Marcellus Shale	4435	4590		
Onondaga L. S.	4590	4664		
Oriskany Sand	4664	4695		
Helderberg L. S.	4695	4848		
Log Total Depth		4848		

Date November 27, 1979

DEVON CORPORATION

APPROVED A. C. Yorse A. C. Yorse, Dist. Geologist

By _____ (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 22 1979

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 February 22, 1979
Company DEVON CORPORATION
Address Box 1433, Charleston, WV
Farm Gladys Smith Acres 73
Location (waters) Thirteen Mile Creek
Well No. 891 Elevation 749.6
District Union County Mason
Quadrangle Elmwood 7 1/2

Surface Owner Gladys Smith, et al
Address Rt. 1, Box 51, Leon, W. Va.
Mineral Owner Gladys Smith, et al 25123
Address Rt. 1, Box 51, Leon, W. Va.
Coal Owner Same as above 25123
Address _____
Coal Operator Not operated
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 10-23-79.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Mr. Kenneth Butcher
PH: 736-4885 ADDRESS Barboursville, W. Va.

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 April 3, 1972 by Gladys Smith, et al made to Commonwealth Gas and recorded on the _____ day of _____ 19____, in Mason County, Book 35 Page 521

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.

Very truly yours, DEVON CORPORATION

(Sign Name) A. C. Youse
A. C. Youse, ^{Well Operator} DIST. Geologist
P. O. Box 1433
Street
Charleston,
City or Town
West Virginia 25325
State

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

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 BUREAU

47-053-0177

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 F W A 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: 4900 ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany Sand
 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		4900	200 sax=2400'
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

WR-35

24-Aug-98

API # 47-053-00177W

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Division of Environmental Protection
Section of Oil and Gas
JAN 04 1999
Division of

Well Operator's Report of Well Work

Farm name: SMITH, GLADYS Operator Well No.: GLADYS SMITH
LOCATION: Elevation: 749.00 Quadrangle: ELMWOOD
District: UNION County: MASON
Latitude: 5500 Feet South of 38 Deg. 45 Min. 0 Sec.
Longitude: 220 Feet West of 81 Deg. 50 Min. 0 Sec.

Company: MOUNTAINEER GAS SERVICE
P O BOX 1869 Casing Used Left Cement
CHARLESTON WV 25327 & in in Fill Up
Tubing Well Well Cu. Ft.

Agent: DANNY CHANDLER
Inspector: DAVE BELCHER
Permit Issued: 08/24/98
Well work commenced: 09/10/98
Well work completed: 09/18/98

Verbal plugging permission granted on: N/A
Rotary X Cable _____ Rig
Total Depth (feet) N/A
Fresh water depths (ft) N/A
Salt water depths (ft) N/A

Is coal being mined in area? (Y/N) N
Coal Depths (ft) NONE

OPEN FLOW DATA

Producing Formation LOWER HURON
Pay zone depth (ft) 3922' - 3933'
Gas: Initial open flow 200 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 291 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 490 psi (surface pressure) after 24 Hours

2nd Producing Formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psi (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

By: DANNY E. CHANDLER, AGENT
MOUNTAINEER GAS SERVICE, INC.
Danny Chandler / KA
Date: DECEMBER 7, 1998

JAN 11 1999

MAS 0177W

SMTH89135.WPD

STAGE ONE:

Lower Huron

20 holes (3922' - 3933') Fractured with 70 quality foam , 20 lbs gel/1000 gals, 17,800 lbs 20/40 sand, and 1,016,000 scf of N₂.