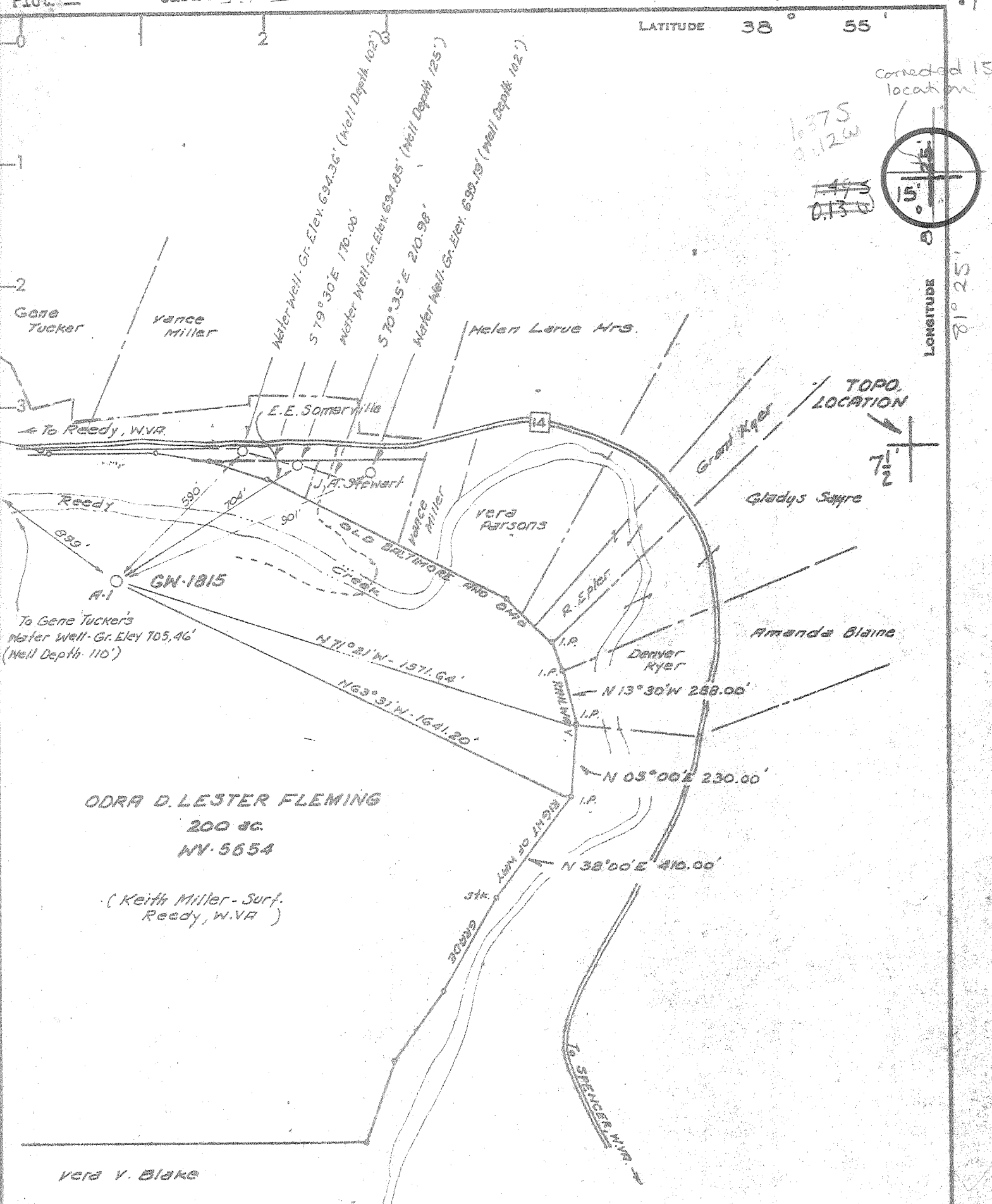
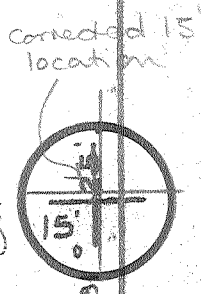


LATITUDE 38° 55'

LONGITUDE 81° 25'



**ODRA D. LESTER FLEMING**  
200 ac.  
WV-5654

(Keith Miller - Surf. Reedy, W.VA)

**CERTIFICATE**

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT JAN 12, 1980

"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."

Minimum degree of accuracy is one part in 200  
Signed Ronald J. Gray LLS #247

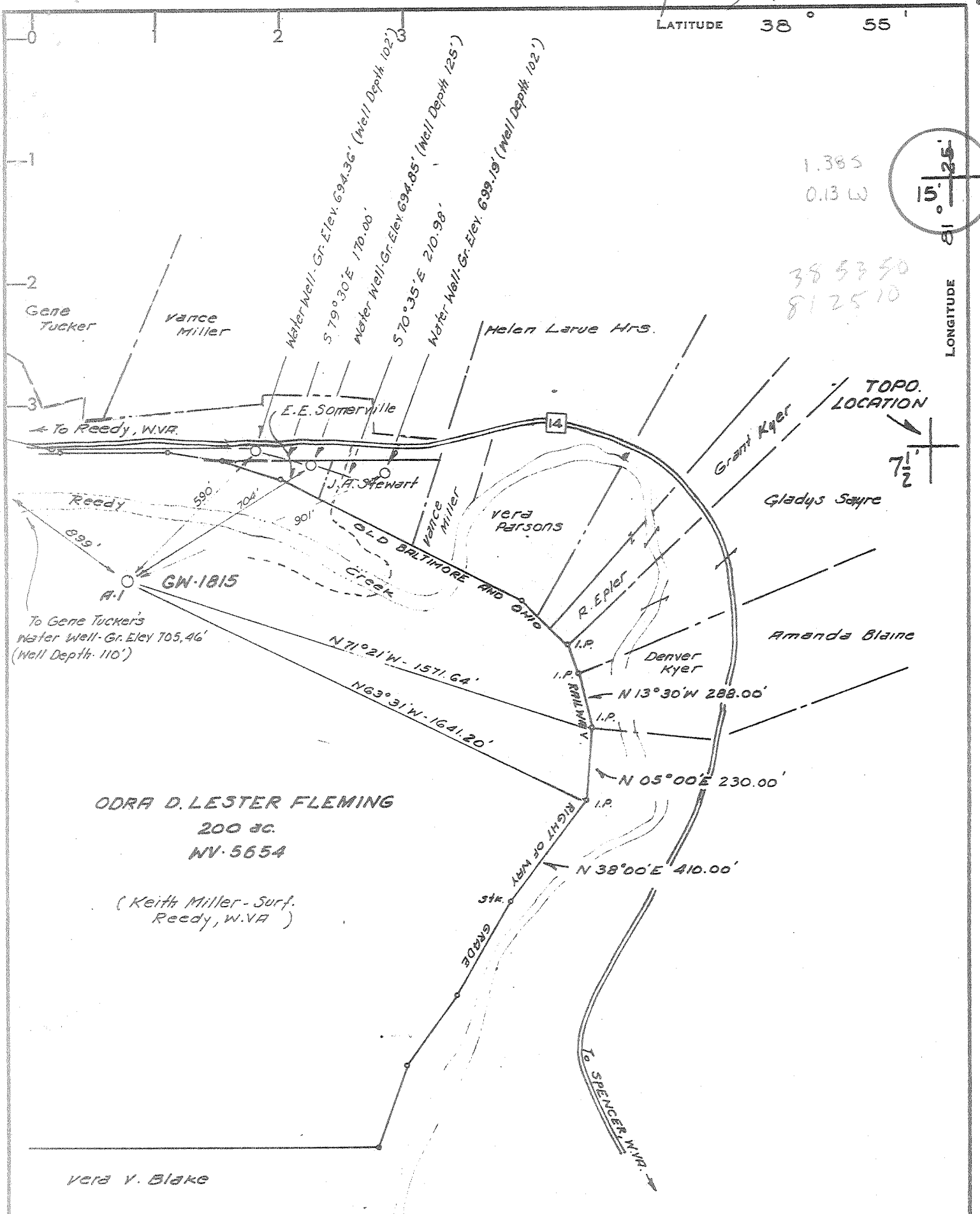
COMPANY CITIES SERVICE COMPANY  
 ADDRESS PO BOX 873 CHARLESTON W.VA  
 FARM ODRA D. LESTER FLEMING (KEITH MILLER)  
 MAP \_\_\_\_\_ ACRES 200 LEASE NO. WV 5654  
 WELL (FARM) NO. A-1 SERIAL NO. GN-1815  
 ELEVATION (SPIRIT LEVEL) 687.38 713.16 (GROUND)  
 QUADRANGLE REEDY (SPENCER 15') WC  
 COUNTY ROANE DISTRICT REEDY  
 POINT OF PROVEN ELEVATION 4393 "678" - 3rd Disk in the town of Reedy  
 FILE NO. \_\_\_\_\_ DRAWING NO. W-11-79  
 DATE JULY 16, 1979 SCALE 1" = 400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. **47-087-3197-P**

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 24,000 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

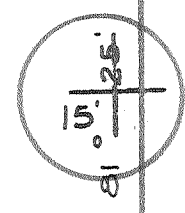
Deep Well

FEB 22 1980



LATITUDE 38° 55'

1.385  
0.13 W



LONGITUDE 81° 25'

38 53 50  
81 25 10

TOPO. LOCATION

7 1/2

**ODRA D. LESTER FLEMING**  
200 AC.  
NV-5654

(Keith Miller - Surf. Reedy, W.V.A.)

**CERTIFICATE**

"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."

Minimum degree of accuracy is one part in 200

Signed Donald J. Day L.L.S. #247

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY CITIES SERVICE COMPANY  
 ADDRESS P.O. BOX 873, CHARLESTON, W.V.A.  
 FARM ODRA D. LESTER FLEMING (KEITH MILLER)  
 MAP \_\_\_\_\_ ACRES 200 LEASE NO. NV 5654  
 WELL (FARM) NO. A-1 SERIAL NO. GW-1815  
 ELEVATION (SPIRIT LEVEL) 657.33 713.16 Ground  
 QUADRANGLE REEDY (SPENCER 15')  
 COUNTY ROANE DISTRICT REEDY  
 POINT OF PROVEN ELEVATION USGS "678" - Std. Disk in the town of Reedy  
 FILE NO. \_\_\_\_\_ DRAWING NO. N-11-79  
 DATE JULY 16, 1979 SCALE 1" = 400'

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

**WELL LOCATION MAP**

FILE NO. **47-087-3197**

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 24,000. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

Deep Well not shown. Found 6390'

SEP 7 1979



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
AUG 20 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 August 17, 1979

Surface Owner Keith Miller

Company Cities Service Company

Address Reedy, WV 25270

Address Box 873, Charleston, WV 25323

Mineral Owner Odra D. Lester Fleming

Farm Odra D. Lester Fleming Acres 200

Address Parkersburg Rd., Spencer, WV 25276

Location (waters) Reedy Creek

Coal Owner NA

Well No. "A" #1, GW-1815 Elevation +733.16 713.16

Address \_\_\_\_\_

District Reedy County Roane

Coal Operator \_\_\_\_\_

Quadrangle Reedy

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Conditions being in accordance with Chapter 22,  
of the W. Va. Code, this location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by 4-21-80.

INSPECTOR

TO BE NOTIFIED Richard Morris

ADDRESS P. O. Box 372, Grantsville, WV 26147

PHONE 354-7259

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 October 4 1974 by Odra D. Lester Fleming, widow made to Cities Service Oil Co. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Roane County, Book 133 Page 230

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, Cities Service Company

(Sign Name) [Signature]

Well Operator Sam J. Matthews

Box 873 Region Prod. Manager

Street

Charleston

City or Town

W. Va. 25323

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.

47-087-3197

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 [Signature]

BLANKET BOND

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Unknown NAME Cities Service Company  
 ADDRESS \_\_\_\_\_ ADDRESS Box 873, Charleston, WV 25323  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-344-8383  
 ESTIMATED DEPTH OF COMPLETED WELL: 6390' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Newburg Sand  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X 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 <del>xxx</del> 3/8" 48# H-40 STC	150'	150'	50 sx (59 cu. ft.)
9 - 5/8 36# K-55 LTC	2350'	2350'	664 sx
8 - 5/8			
7 23# K-55 LTC	5300'	5300'	400' 70 sx (82 cu. ft.)
5 1/2			
4 1/2 11.6# N-80 LTC	approx. 6380'	approx. 6380'	zones of interest by 400'
3			Perf. Top
2			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 115 FEET - SALT WATER - FEET -  
 APPROXIMATE COAL DEPTHS None  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? NA

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

[08-78]

DRILLING, FRACTURING AND/OR STIMULATING, OR ANY OTHER CHANGE

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_)  
LOCATION: Elevation: 713.16 Ground / 733.75 Watershed: Reedy Creek  
District: Reedy County: Roane Quadrangle: Reedy

WELL OPERATOR Cities Service Company DESIGNATED AGENT Sam J. Matthews  
Address Box 873 Address Box 873  
Charleston, WV 25323 Charleston, WV 25323

PERMITTED WORK: Drill X / Convert \_\_\_ / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X  
Plug off old formation \_\_\_ / Perforate new formation X  
Other physical change in well (specify) \_\_\_\_\_  
JAN 28 1990

PERMIT ISSUED ON August 20, 1979  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED  
1-11- 19 80

OIL & GAS DIVISION  
DEPT. OF MINES  
Name Richard Morris  
Address P. O. Box 372  
Grantsville, WV 26147

GEOLOGICAL TARGET FORMATION: Newburg Depth 6347 feet  
Depth of completed well, 6500 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, \_\_\_ feet; salt, 5450 feet.  
Coal seam depths: \_\_\_ Is coal being mined in the area? \_\_\_  
Work was commenced 12-18-79, 19 \_\_\_, and completed 1-12- 19 80

CEMENTING AND TUBING PROGRAM

CEMENTING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLING OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Cash water	13-3/8	H-40	48	X		153	153	172 sx
Intermediate	9-5/8	K-55	36	X		2342	972	115 sx
Intermediate	7	K-55	23	X		5378	828	100 sx
Production								Depth set
Casing								Perforations:
Packers								Bottom

OPEN FLOW DATA

Producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Final open flow, DRY Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_\_\_ hours  
Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in  
[If applicable due to multiple completion--]  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
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, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

WELL LOG

FORMATION	Color	Hard or Soft	59		Remarks Including indication of all fresh and salt water, coal, oil and gas
			Top Feet	Bottom Feet	
Clay			0	25	
Sand			25	27	
Shale			27	1137	FW 40'
Sand			1137	1300	
Shale			1300	1460	
Sand			1460	1609	
Salt Sand			1609	1761	
Big Lime			1761	1810	
Big Injun			1810	1822	
Shale			1822	2223	
Coffee Shale			2223	2238	
Shale			2238	5238	
Onondaga			5238	5446	
Oriskany			5446	5490	5446 Show of gas (TSTM)
Lime & Dolomite			5490	6342	5450 Salt Water
Newburg			6342	6348	
Sandy Shale			6348	6500	

(Attach separate sheets to complete as necessary)

Cities Service Company

Well Operator

By

  
 Sam J. Matthews

Its

Region Production Manager

**NOTE:** Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the vicinity of a well."

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

MAR - 5 1980

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.

Odra D. Lester Fleming  
~~COAL OPERATOR~~ OR OWNER  
Parkersburg Rd., Spencer, WV 25276  
ADDRESS

Cities Service Company  
NAME OF WELL OPERATOR  
Box 873, Charleston, WV 25323  
COMPLETE ADDRESS

COAL OPERATOR OR OWNER  
ADDRESS

March 4, 1980  
WELL AND LOCATION

Keith Miller  
LEASE OR PROPERTY OWNER  
Reedy, WV 25270  
ADDRESS

Reedy District  
Roane County

Well No. "A" #1, GW-1815  
Odra D. Lester Fleming Farm

STATE INSPECTOR SUPERVISING PLUGGING Richard Morris, Box 372, Grantsville, WV 26147

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Roane } SS:

Tim Smith and Edward J. Chesny, Jr.  
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 Cities Service Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of January, 1980, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
Newburg	Howco Salt Gel	40 sx Reg. Cement	4550'	828-7"
Devonian Shale	Howco Salt Gel	25 sx Reg. Cement	1370'	972-9-5/8"
	Howco Salt Gel	90 sx Reg. Cement	153'	153-13-3/8"
Surface	Howco Salt Gel	11 sx Reg. Cement		
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME) None		Monument 3' below G.L. Capped w/steel plate inscribed w/API No. 47-087-3197		
(NAME)		GW-1815 Date: P&A 3-3-80 Cities Service		
(NAME)		Company		

and that the work of plugging and filling said well was completed on the 3rd day of March, 1980.

And further deponents saith not.

Sworn to and subscribed before me this 5 day of March, 1980.

Morris G. Belcher  
Paul H. Deal  
James J. Day  
Commissioner Notary Public

My commission expires:  
June 11, 1989

Permit No. 47-087-3197-P