

Company CITIES SERVICE COMPANY
 Address CHARLESTON, WV
 Surface Owner CONSOLIDATION COAL CO.
 Mineral Owner ROWLAND LAND CO.

Well No. A-38 Acres 47,340.87
 Elevation 1930'

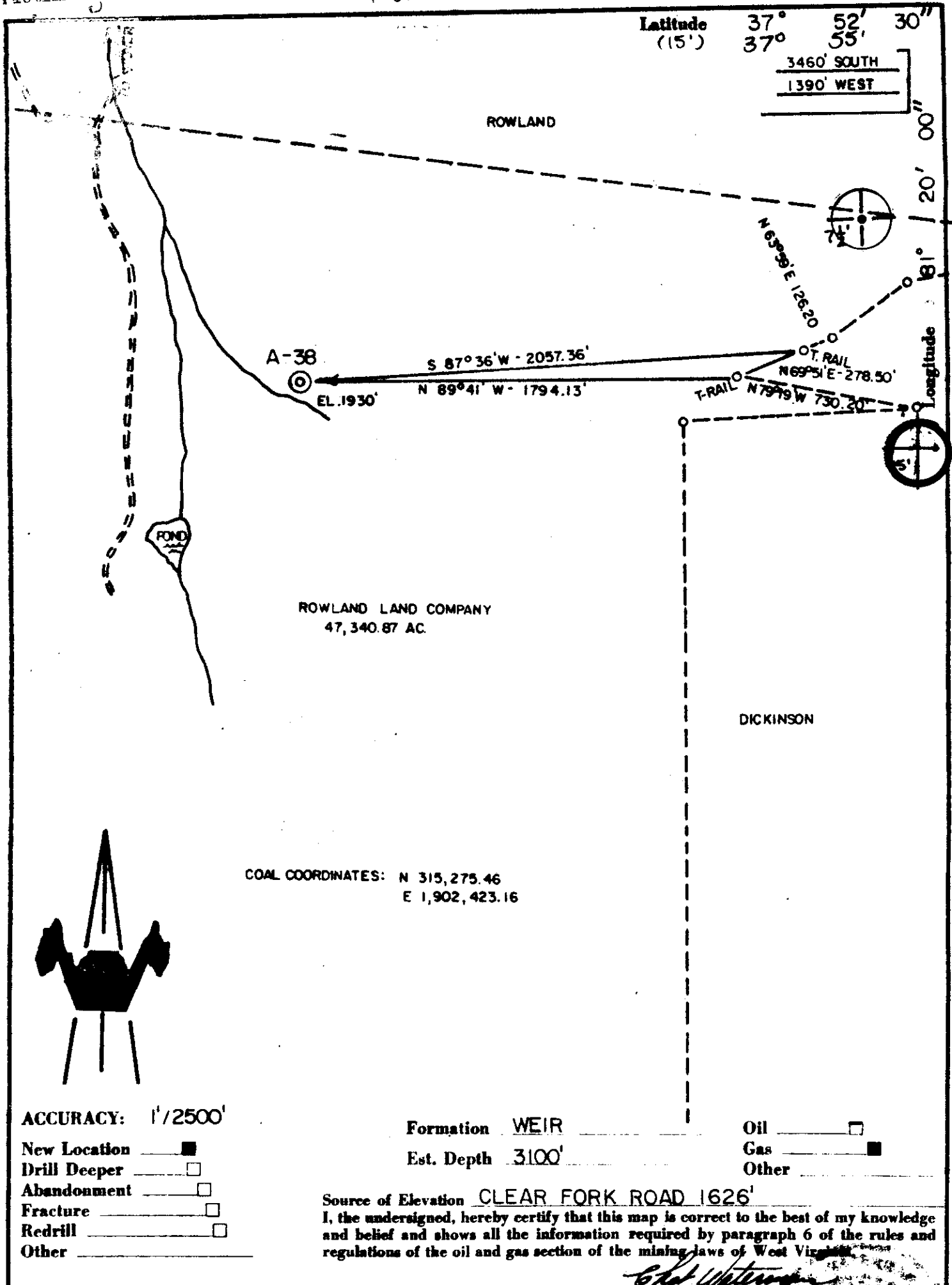
Quadrangle ECCLES Series 7.5' & 15'
 County RALEIGH District CLEAR FORK
 Date 4/23/80 Scale 1" = 500'

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

WELL LOCATION MAP

47 - 081 0542
 STATE COUNTY PERMIT

Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-274



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Eccles
Permit No. 47-081-0542

Company <u>Cities Service Company</u> Address <u>Box 873 Charleston, WV 25323</u> Farm <u>Rowland Land Company</u> Acres <u>47,340.87</u> Location (waters) <u>Stover Fork of Clear Fork</u> Well No. <u>"A" #38, GW-1848</u> Elev. <u>1930'</u> District <u>Clear Fork</u> County <u>Raleigh</u> The surface of tract is owned in fee by <u>Consolidated Coal Corp., Rt. 1 Box 169</u> Address <u>Beckley, WV 25801</u> Mineral rights are owned by <u>Rowland Land Company</u> Address <u>1033 Quarrier St., Charleston, WV 25301</u> Drilling Commenced <u>9-10-80</u> Drilling Completed <u>9-19-80</u> Initial open flow <u>0</u> cu. ft. _____ bbls. Final production _____ cu. ft. per day _____ bbls. Well open _____ hrs. before test _____ RP.	Casing and Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3 2 Liners Used	Used in Drilling 47 1316	Left in Well 47 1316	Cement fill up Cu. ft. (Sks.) 15 sx 385 sx
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Attach copy of cementing record.

Coal was encountered at 960-964 Feet 1185-1187 Inches
Fresh water 230 Feet Salt Water none Feet
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	14		
Shale			14	30		
Sand			30	125		
Shale			125	230		
Sand			230	440		Foam at 240'
Shale Sand			440	550		
Shale			550	705		
Sand			705	735		
Shale			735	747		
Coal			747	751		
Shale			751	770		
Sand			770	950		
Shale			950	1055		Poss. coal 960-964
Sand			1055	1100		
Sand & Shale			1100	1125		
Sand			1125	1185		
Coal			1185	1187		
Shale & Sand			1187	1225		
Shale			1225	1250		
RR & Shale			1250	1300		
Gray Sand			1300	1410		
RR & Sand			1410	1435		
Sand			1435	1480		
Shale			1480	1690		

(over)

* Indicates Electric Log tops in the remarks section.

NOV 6 1980

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

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AFFIDAVIT OF PLUGGING AND FILLING WELL

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

OIL & GAS DIVISION
DEPT. OF MINES

COAL OPERATOR OR OWNER <u>Consolidated Coal Corp.</u>	NAME OF WELL OPERATOR <u>Cities Service Co.</u>
ADDRESS <u>Rt. 1 Box 169, Beckley W. Va.</u>	COMPLETE ADDRESS <u>Box 873 Charleston W. Va. 1980</u>
COAL OPERATOR OR OWNER <u>Consolidated Coal Corp.</u>	WELL AND LOCATION <u>Rawland Land Co. A-38 - Char. Field District</u>
ADDRESS <u>Same as Above</u>	<u>Raleigh</u> County
LEASE OR PROPERTY OWNER <u>Rawland Land Co.</u>	Well No. <u>A-38</u>
ADDRESS <u>1033 Quarrier St. Charleston W. Va. 25301</u>	<u>Rawland Land Co.</u> Farm
STATE INSPECTOR SUPERVISING PLUGGING <u>LeRoy Hopkins</u>	

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Raleigh } SS:

Cities Service Co. and Ray Resources

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 Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11 day of September, 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
<u>Lime</u>	<u>2390' To 2290' - 30 SX. RFB - Cement</u>			<u>16" @ 47'</u>
	<u>2290' To 1353' Filled w/ Gel - lost cir. material</u>			<u>8 1/2" @ 1303'</u>
	<u>1353' To 1253' 30 SX. RFB - Cement</u>			
	<u>1253' To 1062' Fill with Gel - lost. Cir. material</u>			
	<u>1062' To Surface - Ventd.</u>			
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME) <u>748 - 750 1/2 - 3 1/2 ft.</u>	<u>Flat Plate weld over 2 1/2" csg. with 2" vent and Cities Service Co. and date Plug written on Flat Plate & Permit Number.</u>			
(NAME) <u>959 - 962 - 3 ft.</u>				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 18 day of September, 1980.

And further deponents saith not.

Edward J. Cherry Jr.

Sworn to and subscribed before me this 18 day of September, 1980

My commission expires:

June 1, 1981

Edward J. Cherry Jr.
Commissioner Public.

Permit No. 47-081-0542

Formation	Color	Hard or Soft	Top Feet/±	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1690	1830		Check gas - none at 1730'
RR & Shale			1830	2145		
Sand			2145	2235		
RR & Shale			2235	2255		
Shale			2255	2325		
Sand			2325	2380		
Shale			2380	2430		
<u>Little Lime</u>			2430	2478	T.D.	

Date October 21, 19 80

APPROVED Cities Service Company, Owner

By *[Signature]*
 Region (Title) Prod. Manager



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

PROPOSED WORK ORDER TO 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: 1750 _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Ravencliff _____
 TYPE OF WELL: OIL _____ GAS 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 11-3/4 42#/ft.	60'		Surface
9 - 5/8			
8 - 5/8 23#	1000'		Surface (267 sx)
7			
5 1/2			
4 1/2 10.5# K-55	1750'		400' (71 sx)
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50' FEET = _____ SALT WATER - FEET - _____
 APPROXIMATE COAL DEPTHS 964' (3.5') _____
 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