



Minimum Error of Closure 1 in 200'

Source of Elevation USGS elev. (shown) at road = 2067

Fracture.....

New Location.....

Drill Deeper..... 8/27/76

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.

Signed: M. Stover

Map No.

Squares: N S E W

Company United Operating Co.

Address 600 Commerce Sq. Charleston, W. Va.

Farm Homer Weese

Tract \_\_\_\_\_ Acres 58 Lease No. \_\_\_\_\_

Well (Farm) No. One Serial No. \_\_\_\_\_

Elevation (Spirit Level) 2052

Quadrangle Audra 7 1/2' Philippi 15'

County Barbour District Barber

Engineer M. Stover

Engineer's Registration No. 1227

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date August 12, 1976 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. BAR - 785 - DD - W

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

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

47-001



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

Perforated 5300-5350 - 17 holes - Plugs set at 5700 and 5400. Fractured with 670 bbls. treated water, 30,000# 80/100 and 50,000# 20/40 sand.

Treating pressure 2600 psi, rate 30 Bpm ISP 1900 psi.

All other information same as original OG-10.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all fresh and salt water, coal, oil and gas

(Attach separate sheets to complete as necessary.)

United Operating Company

Well Operator

By

*J. L. Trellup*

Its President

**NOTE:** Regulation 8.01(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 drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

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

Quadrangle Audra

Permit No. BAR-785 DD

Company <u>United Operating Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>600 Commerce Square, Charleston, WV</u>				
Farm <u>Homer Weese</u> Acres <u>58</u>	Size			
Location (waters) <u>Tygart River</u>	20-16			
Well No. <u>1</u> Elev. <u>2052</u>	Cond.			
District <u>Barker</u> County <u>Barbour</u>	13-10"			
The surface of tract is owned in fee by <u>Homer Weese</u>	9 5/8			
Address <u>Belington, WV</u>	8 5/8	687	687	
Mineral rights are owned by <u>Same</u>	7			
Address _____	5 1/2			
Drilling Commenced <u>8-10-76</u>	4 1/2		8100	500' fill-up
Drilling Completed <u>9-6-76</u>	3			
Initial open flow <u>no test</u> cu. ft. _____ bbls.	2			
Final production <u>900 M. cu. ft.</u> per day _____ bbls.	Liners Used			
Well open <u>24 hrs.</u> hrs. before test <u>3100</u> RP.				

Well treatment details:

Attach copy of cementing record.

Fractured with 1425 bbl. Acid - 411 hydraulic Hsp. 13,000# 40/60 sand, 26,000# 2/40 sand.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Chert Depth 7740' - 7930'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Shale	grey	Hard	0	1297		
Big Lime	grey	Hard	1297	1427		
Shale-sand	grey	Med.	1427	2240		
Sand (Fifth)	grey	Med.	2240	2294		
Shale-sand	grey	Soft	2294	3934		
Benson	black	soft	3934	3946		
Shale-sand	grey	soft	3946	7436		
Lime (Tully)	grey	hard	7436	7486		
Sand-shale-lime	grey	hard	7486	7736		
Chert <small>HUNTERVILLE</small>	grey	hard	7736	7946		
Oriskany	grey	hard	7946	8117	T.D.	8117 3946 ft. 4171 ft. exploratory footage.

(over)

\* Indicates Electric Log tops in the remarks section.



RECEIVED

AUG 27 1976

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 August 25, 1976

Surface Owner Homer Weese

Company United Operating Company

Address Rt. #3, Belington, W. Va.

Address Charleston, W. Va.

Mineral Owner Same

Farm Homer Weese Acres 58 (Unit 256)

Address \_\_\_\_\_

Location (waters) Tygart

Coal Owner Same

Well No. One Elevation 2052

Address \_\_\_\_\_

District Barker County Barbour

Coal Operator None

Quadrangle Audra 7 1/2

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 deepening. This permit shall expire if operations have not commenced by 12-27-76.

Robert L. Bell  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Bill Hatfield  
PH: 472-4268 ADDRESS Buckhannon, 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 January 20 19 71 by Homer & Lillian Weese made to Consolidated-United and recorded on the 12th day of March 1971, in Barbour County, Book 68 Page 601

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  
PHYSICAL LOSS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505

Very truly yours,  
(Sign Name) J. L. Pettipiece  
Well Operator  
600 Commerce Square  
Street  
Charleston  
City or Town  
West Virginia 25301  
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.

Original Permit #785

Bar-785-DD PERMIT NUMBER  
47-001  
Survey

BLANKET BOARD

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 Union Drilling Company NAME Lyle Coffman  
 ADDRESS Buckhannon ADDRESS Glenville, W. Va.  
 TELEPHONE 472 4610 TELEPHONE 462 7176  
 ESTIMATED DEPTH OF COMPLETED WELL: 8200 ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION Oriskany  
 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	10	10	None
9 - 5/8			
8 - 5/8	600	600	Circulated
7			
5 1/2			
4 1/2	8200	8200	1500 feet fillup
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 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

RECEIVED  
AUG 16 1976  
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 August 16, 1976

Surface Owner Homer Weese  
Address Rt. #3, Belington, W. Va.  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company United Operating Company  
Address Charleston, W. Va.  
Farm Homer Weese Acres 58  
Location (waters) Tygart River  
Well No. 1 Elevation 2052  
District Barker County Barbour  
Quadrangle Audra 7 1/2

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 12-16-76.

Deputy Director - Oil & Gas Division  
GENTLEMEN:

INSPECTOR TO BE NOTIFIED Bill Hatfield  
PH: 472-4268 ADDRESS Buckhannon, W. Va.

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 January 20 1971 by Homer & Lillian Weese made to Consolidated-United and recorded on the 12th day of March 1971 in Barbour County, Book 68 Page 601

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,

(Sign Name)

Well Operator

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505

Address  
of  
Well Operator

600 Commerce Square

Street

Charleston

City or Town

West Virginia 25301

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.

BAR-785

PERMIT NUMBER

47-001

BLANKET COVER

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PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
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 NAME Union Drilling Company NAME Lyle Coffman  
 ADDRESS Buckhannon, W. Va. ADDRESS Glenville, W. Va.  
 TELEPHONE 472 4610 TELEPHONE 462 7176  
 ESTIMATED DEPTH OF COMPLETED WELL: 4200 ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 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 - 10	10	10	None
9 - 5/8			
8 - 5/8	600	600	Circulated
7			
5 1/2			
4 1/2	4200	4200	2400 feet fill up
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS -50 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

**TO DRILL:**  
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 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