

No Coal Surface :-  
 Richard & Dorothy Beck  
 New Milton  
 W.Va.

Minimum Error of Closure Lin 200'  
 Source of Elevation USGS B.M. on Road 500 SE = 830

- Fracture.....
- New Location.....
- Drill Deeper.....
- 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: [Signature]  
 Squares: N S E W

Map No. \_\_\_\_\_

Company UNITED OPERATING CO.  
 Address 600 Commerce Square Charleston, West Va.  
 Farm E.E. Randolph, RICHARD & DOROTHY BECK  
 Tract \_\_\_\_\_ Acres 88 Lease No. \_\_\_\_\_  
 Well (Farm) No. One-A Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 414 NW  
 Quadrangle New Milton 7 1/2 Vadis 15  
 County Doddridge District New Milton  
 Engineer [Signature]  
 Engineer's Registration No. 1227 LLS 200  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date November 6, 1978 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. DODD-2315

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 47-017

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

Date: February 16, 1979

FORM IV-35  
(Obverse)

Operator's  
Well No. F.F. Randolph 1-A

[08-78]

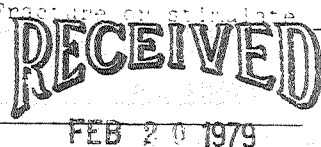
WELL OPERATOR'S REPORT OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 - 017 - 2315  
State County Permit

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Shallow )  
LOCATION: Elevation: 814 Watershed: Meathouse Fork-Middle Island Creek  
District: New Milton County: Doddridge Quadrangle: New Milton 7 1/2

WELL OPERATOR United Operating Company DESIGNATED AGENT Jack L. Trittipo  
Address 600 Commerce Square Address 600 Commerce Square  
Charleston, WV 25301 Charleston, WV 25301

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



PERMIT ISSUED ON November 19, 1978 OIL & GAS INSPECTOR FOR DEPT. OF MINES  
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED)  
Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Elk Sand - Benson Depth 5,164 feet  
Depth of completed well, 5,354 feet Rotary  / Cable Tools   
Water strata depth: Fresh, 60 feet; salt, none feet.  
Coal seam depths: no record Is coal being mined in the area? no  
Work was commenced 11-29, 1978, and completed 12-6, 1978

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate	10-3/4	H-40	32.75	X		275	275	Circulated
Production	4 1/2	K-55	10.5	X		0	5,340	230 cu.ft.
Tubing	1 1/2	K-55	2.75	X		0	5,150	Depths set
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA  
Producing formation ALEX Elk Sand Pay zone depth 5,164-5,232 feet  
Gas: Initial open flow, No test Mcf/d Oil: Initial open flow, 0 Bbl/d  
Final open flow, 400 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, 4 hours  
Static rock pressure, 1800 psig (surface measurement) after 72 hours shut in  
[If applicable due to multiple completion--]  
Second producing formation Benson Pay zone depth 4,864-4,876 feet  
Gas: Initial open flow, \*no test 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  
\*First test is for both formations.

MAR 9 1979

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

Perf. 4868-4872 - Fractured with 600 bbls. treated water, 15,000# 80/100 sand, 60,000# 20/40 mesh sand.

Perf. 5164-5222 - 12 holes - treated 900 bbl

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand-Shale	Grey	Soft	0	275	Sho Fresh water
Shale-sand	Grey	Hard	275	1230	
Salt Sands	Grey	Hard	1230	1350	
Sand-Shale	Grey	Hard	1350	1838	
Blue Monday	Grey	Hard	1838	1890	Sho Gas
Lime	Grey	Hard	1890	1940	
Big Injun	Grey	Soft	1940	2010	Sho gas-low pressure
Shale	Grey	Soft	2010	2146	
Weir Sand	Grey	Soft	2146	2236	
Shale-few isolated sand stringers	Grey	Soft	2236	4760	
Sand	Grey	Soft	4760	4780	
Shale	Grey	Soft	4780	4864	
Sand-Benson	Grey	Soft	4864	4876	Sho gas
Shale	Grey	Soft	4876	5164	
Elk Sand formation	Grey	Soft	5164	5232	Sho Gas
Shale	Grey	Soft	5232	5355	T.D.

5355  
2010  
3345 Exp. Ft.

(Attach separate sheets to complete as necessary)

United Operating Company  
Well Operator  
By J. L. Tritopoulos  
Its President

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 drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
NOV 9 1978  
OIL & GAS DIVISION  
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE November 7, 1978

Surface Owner Richard & Dorothy Beck

Company United Operating Company

Address New Milton, W. Va.

Address 600 Commerce Square, Charleston, WV

Mineral Owner F. F. Randolph Heirs

Farm F. F. Randolph Acres 88

Address New Milton, W. Va.

Location (waters) Meathouse Fork of Middle Island Cr

Coal Owner no coal

Well No. 1-A Elevation 814

Address --

District New Milton County Doddridge

Coal Operator --

Quadrangle New Milton 7 1/2 Vadis 15

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

INSPECTOR

for drilling. This permit shall expire if TO BE NOTIFIED Paul Garrett

operations have not commenced by 3-13-79

ADDRESS 321 Beech Street, Clarksburg, WV 26301

[Signature]  
Deputy Director - Oil & Gas Division

PHONE 622-3871

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 May 1 1916 by F. F. Randolph made to Travis-Trainer Oil Co. and recorded on the 15 day of May 1916, in Doddridge County, Book 31 Page 293

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,  
(Sign Name) [Signature]  
Well Operator

Address  
of  
Well Operator

600 Commerce Square  
Street  
Charleston, WV 25301  
City or Town

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.

BLANKET BOND

DODD-2315 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12 and will carry out the specified requirements."

47-017

Signed by [Signature]

**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 Union Drilling, Inc. NAME Lyle Coffman & Jack Trittipo  
 ADDRESS Drawer 40, Buckhannon, WV 26201 ADDRESS 600 Commerce Square, Charleston, WV  
 TELEPHONE 1-472-4610 TELEPHONE 462-7176 (Coffman) 343-9383 (Trittipo)  
 ESTIMATED DEPTH OF COMPLETED WELL: 5,500' ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Flk and 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			
<del>10 - 8</del> 10"	300'	300'	Circulating
8 - 5/8			
7	2,000'	?	
5 1/2			
4 1/2	0	5,500'	250 cu. ft.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None  
 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