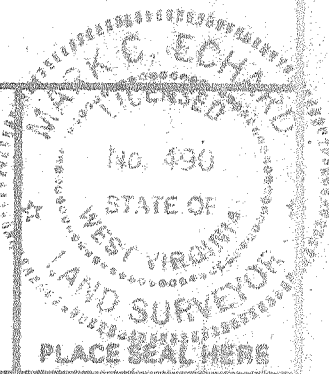


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM AT ROUTE 18 6+00' 2" NW OF LOC. ELEV. = 844'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE MARCH 17, 1980
 OPERATOR'S WELL NO. 3888-A
 API WELL NO. 47-017-2652
 STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1022' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON Ad 15 COUNTY POODRIDGE
 QUADRANGLE NEW MILTON 7.5' NW
 SURFACE OWNER RICHARD & DOROTHY BECK ACREAGE 88
 OIL & GAS ROYALTY OWNER MARY HEULAN LEASE ACREAGE 88
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2700' ±
 WELL OPERATOR UNITED OPERATING CO. DESIGNATED AGENT M.R. L. T. COFFMAN
 ADDRESS 600 COMMERCE SQUARE ADDRESS 600 COMMERCE SQUARE
6-6 CHARLESTON, W.VA. 25301 NEW MILTON, CHARLESTON, W.VA. 25301 MAY 6 1980



RECEIVED

SEP 11 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division DEPT. OF MINES

WELL RECORD ¹⁰⁰

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

Quadrangle New Milton, Vadis 15
Permit No. 47-017-2652

Company United Operating Company
Address 600 Commerce Square, Charleston, WV
Farm F. F. Randolph Acres 88
Location (waters) Meathouse Fork
Well No. 3-A Elev 844
District New Milton County Doddridge
The surface of tract is owned in fee by Richard and Dorothy Beck
Address New Milton, W. Va.
Mineral rights are owned by Mary Hulin, P.O. B. 3137
Address Lake Helen, Florida
Drilling Commenced 8/14/80
Drilling Completed 8/18/80
Initial open flow NA cu. ft. _____ bbls.
Final production Estimated 100 M cu. ft. per day (5) bbls.
Well open _____ hrs. before test 300 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|----------------------------------|
| Size 20-16 | | | Circulated 750 ft. fillup |
| Cond. 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 218 | 218 | |
| 5 1/2 | | | |
| 4 1/2 | 0 | 2340 | |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Frac Weir: 400 bbls. treated water - 35,000# sand
Frac Big Injun: 400 bbls. treated water - 35,000# sand
Frac Blue Monday 350 bbls. treated water - 30,000# sand

Coal was encountered at no record Feet _____ Inches _____
Fresh water fluid drilled _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|-----------------|-------|--------------|----------|-------------|-------------------|---------|
| Sand-Shale | G | H | 0 | 1354 | | |
| Sand | | | 1354 | 1392 | | |
| Shale | G | H | 1392 | 1432 | | |
| Sand | G | H | 1432 | 1494 | | |
| Shale | G | H | 1494 | 1528 | | |
| Sand | | | 1528 | 1600 | | |
| Sand/Shale | | | 1600 | 1924 | | |
| Blue Monday | | | 1924 | 1984 | * | |
| Shale | | | 1984 | 2060 | | |
| Lime | | | 2000 | 2060 | * | |
| Big Injun shale | | | 2060 | 2104 | * | |
| Weir shale | | | 2104 | 2230 | * | |
| | | | 2230 | 2315 | * | |
| | | | 2315 | 2352 | * | |



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR 31 1980

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 March 28, 1980

Surface Owner Richard and Dorothy Beck
Address New Milton, WV

Company United Operating Company
Address 600 Commerce Square, Charleston, WV

Mineral Owner F. F. Randolph Heirs
Address New Milton, WV

Farm Randolph Acres 88

Coal Owner no coal

Location (waters) Meathouse Fork of Middle Island

Address _____

Well No. 3 A Elevation 844

Coal Operator None

District New Milton County Doddridge

Address _____

Quadrangle New Milton 7 1/2, Vadis 15

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 12-3-80

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, WV
PHONE 622-3871

[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 November 2 19 75 by P&M Oil Company made to United Operating and recorded on the 28th day of June 19 76 in Doddridge County, Book 101 Page 1
 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,
(Sign Name) Paul L. Trittippo (Jack L. Trittippo)
Well Operator
600 Commerce Square
Street
Charleston
City or Town
W. Va. 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.

BLANKET BOND

47-017-2652 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 Paul L. Trittippo

OSurvey

**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 _____ NAME Jack Trittipo - Lyle Coffman
 ADDRESS _____ ADDRESS 600 Commerce Square Norris Road
 TELEPHONE _____ TELEPHONE Charleston, WV Glenville, WV
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Weir
 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 | | | |
| 9 - 5/8 | | | |
| 8 - 5/8 | 300 | 300 | circulated |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 2800 | 2800 | 1,000 ft. |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 85 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? no BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF CG - 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