

15.
1505
0.02W

39 13 45
86 40 00

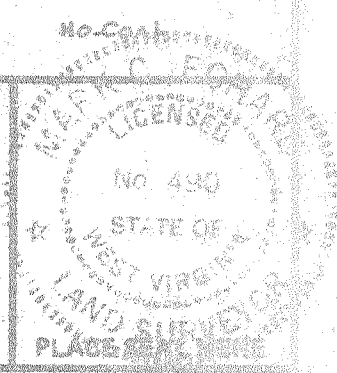
1.508
0.02W

TOPG. LOC.
T.S. 552124

OIL & GAS OWNERS
DOUGLASS HEIRS
% UNION NATIONAL BANK
CLARKSBURG, W.VA.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS B.M. 4200' NW
 Q.E. LOC. - ELEV = 830'

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.I.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE MARCH 18, 1980
 OPERATOR'S WELL NO. ONE-A
 API WELL NO. 47-017-2648
 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 884' WATER SHED REDLICK RUN
 DISTRICT NEW MILTON *Valley 157* COUNTY BOYD
 QUADRANGLE NEW MILTON T.S. NW
 SURFACE OWNER HAYWARD BOYCE, NEW MILTON, W.VA. ACREAGE 77.32
 OIL & GAS ROYALTY OWNER DOUGLASS HEIRS LEASE ACREAGE 77.32
 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 ELK ESTIMATED DEPTH 5500'
 WELL OPERATOR UNITED OPERATING CO. DESIGNATED AGENT MR. L.T. COFFMAN
 ADDRESS 600 COMMERCE SQUARE ADDRESS 600 COMMERCE SQUARE
CHARLESTON, W.VA. 25301 CHARLESTON, W.VA. 25301



RECEIVED

SEP 17 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle New Milton 7½, Vadis 15

Permit No. 47-017-2648

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

Company <u>United Operating Company</u> Address <u>600 Commerce Square, Charleston, WV</u> Farm <u>H.A. & J.F. Douglas</u> Acres <u>77.32</u> Location (waters) <u>Red Lick Run</u> Well No. <u>1-A</u> Elev. <u>884</u> District <u>New Milton</u> County <u>Doddridge</u> The surface of tract is owned in fee by _____ <u>Hayward Boyce</u> Address <u>New Milton, WV</u> Mineral rights are owned by <u>Douglas Heirs, %</u> <u>Union National Bank, Clarksburg, W. Va.</u> Drilling Commenced <u>8/11/80</u> Drilling Completed <u>8/16/80</u> Initial open flow <u>NA</u> cu. ft. _____ bbls. Final production <u>500 M</u> cu. ft. per day _____ bbls. Well open _____ hrs. before test <u>1900</u> 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 1222 0	Left in Well 1222 \$300	Cement fill up Cu. ft. (Sks.) Circulated 2,000 feet
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Well treatment details:

Attach copy of cementing record.

Frac Alexander - 510 bbl. treated water - 48,000# sand

Frac Elk (?) - 490 bbl. treated water - 50,000# sand

Coal was encountered at no record Feet _____ Inches _____
Fresh water 20' Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander - Elk Depth 4888/4900 - 5188/5208

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Shale	G	H	0	1708		
Sand	G	H	1708	1732		
Shale	G	H	1732	1864		
Lime	G	H	1864	1950		
Big Injun			1950	2058		
Shale			2058	2180		
Weir SS			2180	2254		
Shale/Sand Stringers			2254	4664		
Sand			4664	4716		
Shale			4617	4888		
Sand			4888	4900	Sho Gas	
Shale/Sand			4900	5188		
Sand			5188	5208		
Shale/Sand			5208	5869	T.D.	

BRAL

(over)

* Indicates Electric Log tops in the remarks section.



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 Hayword Boyce

Company United Operating Company

Address New Milton, W. Va.

Address 600 Commerce Square, Charleston, WV

Mineral Owner Douglas Heirs

Farm H. A. Douglas Acres 77.32

Address % Union National Bank, Clarksburg, WV

Location (waters) Red Lick Run

Coal Owner NA

Well No. 1-A Elevation 884

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 for Drilling. This permit shall expire if operations have not commenced by 12-2-80.

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 1975 by P&M Oil Company made to United Operating Co. and recorded on the 28th day of June 1976, 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

Very truly yours,
(Sign Name) Jack Trittip United Operating Co.
Jack Trittip Eyle Coffman
600 Commerce Square
Street
Charleston, WV 25301
City or Town
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.

BLANKET BOND

47-017-2648 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 Jack Trittip

G. Surver

**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 _____ NAME Jack Trittipo & Lyle Coffman
 ADDRESS _____ ADDRESS 600 Commerce Sq. - Norris Road
 TELEPHONE _____ Charleston, WV Glenville, WV
 ESTIMATED DEPTH OF COMPLETED WELL: 5,500' TELEPHONE 343-9383 462-7176
 PROPOSED GEOLOGICAL FORMATION: Elk ROTARY X CABLE TOOLS _____
 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			
9 - 5/8			
8 - 5/8			
7	1000	1000	
5 1/2			Circulated
4 1/2	0	5500	2,000 ft.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 30 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS NA _____
 IS COAL BEING MINED IN THE AREA? No 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