



LATITUDE  $39^{\circ}57'30''$   
(15')  $40^{\circ}00''$

LONGITUDE  $80^{\circ}04'08''$

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1 in. = 200 FT.  
MINIMUM DEGREE OF ACCURACY ONE PART IN 2500  
PROVEN SOURCE OF ELEVATION B.M. L 122

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.  
(SIGNED) Charles V. Eller  
R.P.E. \_\_\_\_\_ L.L.S. No. 39



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



DATE Nov. 14, 19 79  
OPERATOR'S WELL NO. 1  
API WELL NO. 47 051 - 0666  
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 798' NC WATER SHED LITTLE GRAVE CREEK  
DISTRICT WASHINGTON COUNTY MARSHALL  
QUADRANGLE MOUNDSVILLE, W.V. 7 1/2, 15' CAMERON  
SURFACE OWNER THOMAS G. MARKEY ACREAGE 71.32  
OIL & GAS ROYALTY OWNER Thomas G. Markey LEASE ACREAGE 62.00 ac.  
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 Garden Sandstone ESTIMATED DEPTH 2700'  
WELL OPERATOR Universal Minerals, Inc. DESIGNATED AGENT David M. Core  
ADDRESS P.O. Box 29192 ADDRESS 1009 Jefferson Ave.  
Columbus, Ohio 43229 Moundsville, W.Va. 26041

JAN 10 1980

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

FORM IV-1

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

RECEIVED

*James D. Humphrey, Pres.*

DEC 10 1979

Well Operator  / Owner  Universal Minerals, Inc.

Address P.O. Box 29192

Columbus, Ohio 43229

614-890-7973

OIL & GAS DIVISION  
DEPT. OF MINES

Pursuant to the provisions of Code § 22-4-1k, and subject to the requirements of Regulation 7.01, the undersigned hereby designates the following person to be the agent of the undersigned for the purpose of receiving process, notices, orders and other communications which may be issued under Chapter 22 of the Code of West Virginia:

Designated Agent David M. Core

Address 1009 Jefferson Ave,

Moundsville, W.Va. 26041

Telephone 304-845-4183

The undersigned represents that said designated agent is a bona fide resident of the State of West Virginia, and has agreed to accept the designation. This designation applies to the following wells:

all wells owned or operated by the undersigned in West Virginia

the wells listed below (Use space below or reverse side or attach list)

Universal Minerals, Inc. #1 Thomas G. Markey

[COMPLETE AS APPLICABLE]

The undersigned is hereby recording an existing designation of agent made prior to the initial adoption of Form IV-1.

The undersigned is proposing to own or operate wells in West Virginia for the first time, so that this designation should also be considered the registration by the undersigned with the Deputy Director.

The undersigned has owned and operated a well or wells in West Virginia since the year 19\_\_\_, but has not heretofore appointed a designated agent.

This designation substitutes a new designated agent for the undersigned, who has owned or operated a well or wells in West Virginia since the year 19\_\_\_. The present designated agent of the undersigned, who will continue as such, if he is able, until this new designation has been approved, is--

Agent being replaced \_\_\_\_\_

Address \_\_\_\_\_

Universal Minerals, Inc.  
Well Owner or Operator

By: Douglas L. Core

Its: Vice President

ACCEPTED this 6 day of Dec, 1979

David M. Core  
(Signature of designated agent)

Taken, subscribed and sworn to before me this 6 day of Dec, 1979.

Notary Public Freda V. Myers My commission expires Aug 26, 1987

Well owner or operator must be a responsible officer of the corporation, trustee, individual or legally qualified representative of owner of the well(s).

RECEIVED

DEC 10 1979

Operator's Well No. Markey #1  
API Well No. 47-051-0666  
State County Permit

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

OIL & GAS DIVISION  
DEPT. OF MINES  
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow  /)  
LOCATION: Elevation: 798' Watershed: Little Grave creek  
District: Washington County: Marshall Quadrangle: Moundsville 7 1/2"

WELL OPERATOR Universal Minerals, Inc. DESIGNATED AGENT David M. Core  
Address P.O. Box 29192 Columbus, Ohio 43229 Address 1009 Jefferson Ave. Moundsville, W.Va. 26041

OIL & GAS ROYALTY OWNER Thomas G. & Lennie Markey COAL OPERATOR None - Mined out.  
Address 1704 Little Grave Creek Rd. Address  
Glen Dale, W.Va. 26038

ACREAGE 62.00  
SURFACE OWNER Thomas G. & Lennie Markey Name Pitts. Plate Glass, P.P.G. Inds.  
Address 1704 Little Grave Creek Rd. Address 1 Gateway Center  
Glen Dale, W.Va. 26038 Pittsburg, Pa. 15222  
ACREAGE 62.00 Name The Valley Camp Coal Co.

FIELD SALE (IF MADE) TO:  
Name Address P.O. Box 218 Tridelphia, Pa. 26059

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip L. Tracy Address P.O. Box 173 Middlebourne, W.Va. 26149  
COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name The Valley Camp Coal Co. Address P.O. Box 218 Tridelphia, Pa. 26059

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease \_\_\_ / other contract  / dated September 29, 79, to the undersigned well operator from Warren Exploration, Ltd., Unrecorded agreement [If said deed, lease, or other contract has been recorded:]

Recorded on \_\_\_\_, 19\_\_, in the office of the Clerk of the County Commission of \_\_\_\_, County, West Virginia, in Book \_\_\_\_ at page \_\_\_\_ . A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

Universal Minerals, Inc. Well Operator

By: James D. Humphrey  
Its: President

BOND DRILL

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Gordon Sandstone

Estimated depth of completed well, 2700 feet Rotary  Cable tools \_\_\_\_\_

Approximate water strata depths: Fresh, 50' feet; salt, 1200' feet.

Approximate coal seam depths: 300' Is coal being mined in the area? Yes \_\_\_\_\_ No

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	Left in well		
Conductor	12"				x	30'	0		Kinds
Fresh water									
Coal	85/8"		23	x		350'	350'	to surface	Sizes
Intermediate									
Production	4 1/2"		10.5	x		2700'	2700'	150sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-3a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 8-13-80.

*Robert H. [Signature]*  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-22, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_