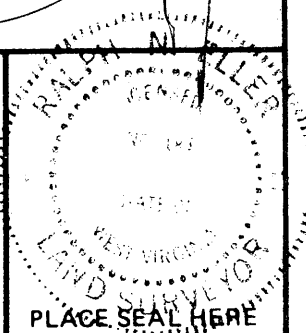


FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 400 feet
 MINIMUM DEGREE OF ACCURACY One Part in 2500
 PROVEN SOURCE OF ELEVATION BM L122

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) Ralph N. Eller
 R.P.E. _____ L.L.S. 184



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



DATE August 30, 19 80
 OPERATOR'S WELL NO. _____
 API WELL NO. 051
47 - Marshall - 0676
 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 1237 WATER SHED Little Grave Creek
 DISTRICT Union COUNTY Marshall
 QUADRANGLE Moundsville 7 1/2 CAMERON 15 NW
 SURFACE OWNER Town of Glen Dale ACREAGE 56
 OIL & GAS ROYALTY OWNER Carl J. Hazlett Estate LEASE ACREAGE 56
 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 Gordon Sandstone ESTIMATED DEPTH 3100'
 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

007 17 1080

RECEIVED

JUN 12 1981

Date: 5/25, 1981

Operator's Well No. C. Hazlett #1
47-051-0676
API Well No. State County Permit

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

WELL OPERATOR'S REPORT
OF
DRAILING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE
OIL & GAS DIVISION
DEPT. OF MINES

WELL TYPE: Oil / Gas / Liquid Injection Waste Disposal
(If "Gas", Production / Underground storage Deep Shallow
LOCATION: Elevation: 1237 Watershed: Little Grave Creek
District: Union County: Marshall Quadrangle: Moundsville

WELL OPERATOR: Universal Minerals, Inc. ADDRESS: 6600 Busch Blvd. Columbus, Ohio 43229
DESIGNATED AGENT: Carroll Morris Rt. A06 Box 85 Cameron, W. Virginia 26033

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 9/30, 1980, OIL & GAS INSPECTOR FOR THIS WORK: Philip L. Tracy
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DAILING OR REWORKING. VERBAL PERMISSION OBTAINED) Address: P.O. Box 173 Middlebourne, W. Va. 26149

GEOLOGICAL TARGET FORMATION: Gordon - 5th Sand Depth 3100 feet
Depth of completed well: 3000 feet Rotary / Cable Tools
Water strata depth: Fresh, 40 feet; salt, 1683 feet.
Coal seam depths: 700-703; 722-727 Is coal being mined in the area? YES
Work was commenced 10/2, 1980, and completed 10/6/80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	12				X	30	30		Kinds
Fresh water	8 5/8			X		792	792	230 sacks	
Coal									Sizes
Intermediate									
Production	4 1/2	ERW	10.5	X			2932	300 sacks	Depths set
Tubing	1 1/2			X			2732		
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation: Gordon - 5th Sand Pay zone depth 2770-2925 feet
Gas: Initial open flow, 400 Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 200 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 200 psig (surface measurement) after 4 hours shut in

[If applicable due to multiple completion--]

Second producing formation: Weir SS Pay zone depth 2142-58 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, comingled w/above _____ Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 200 psig (surface measurement) after 4 hours shut in

(Continue on reverse side)

JUN 29 1981

[08-78]

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

1st stage - Perf. 2770 - 2925 with 15 slots. Frac. with 30,000 gallons water, 45,000 lbs. 20/40 sand. Breakdown = 3200 psi. 35BPM at 2575 psi. Immediate shut in 1800 psi.

2nd stage - Perf. 2142-58' with 12 slots. Frac. with 34,000 gallons water, 45,000 lbs. 20/40 sand and 90 MCF N₂. Breakdown = 4000psi. 29 BPM at 3008 psi. Immediate shut in 1450 psi.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale			10	30	
Sandy shale			30	78	Fresh water 40'
Shale	red	soft	78	95	
Sandy shale		soft	95	470	
Sandstone		soft	470	530	
Sand & Shale		hard	530	700	
Coal	black	soft	700	703	
Sand & Shale		hard	703	722	
Coal	black	soft	722	727	
Sand & Shale		hard	727	800	
Shale	red	soft	800	840	
Shale	gray	soft	840	1105	
Shale	red	soft	1105	1110	
Sand & Shale	white & gray	hard	1110	1980	salt water 1683
Shale	gray	soft	1980	2524	

(Attach separate sheets to complete as necessary)

Universal Minerals, Inc.

Well Operator

By
Its

James Humphrey
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."

(08-78)

WELL LOG

FORMATION	COLOR	HARD/ SOFT	TOP FEET	BOTTOM FEET	REMARKS Incl. indication of all fresh and salt water, coal, oil & ga
Shale	red	soft	2524	2531	
Shale	gray	soft	2531	2750	
Sand	S	soft	2750	3008	

JUN 29 1981

RECEIVED

SEP 18 1980

Date: September 10, 1980

Operator's Well No. C. Hazlett #1

API Well No. 47-051-0676
State County Permit

OIL & GAS DIVISION
STATE OF WEST VIRGINIA
DEPARTMENT OF DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage Deep Shallow
LOCATION: Elevation: 1237 Watershed: Little Grave Creek
District: Union County: Marshall Quadrangle: Moundsville

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

OIL & GAS ROYALTY OWNER C. Hazlett Estate COAL OPERATOR none-mined out
Address _____ Address _____

SURFACE OWNER Town of Glen Dale COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Pitts Plate Glass, P.P.G. Inds.
Address 1 Gateway Center
Glen Dale, West Virginia Pittsburg, Pa. 15222
Acreage 56.00 Name The Valley Camp Coal Co.
Address P.O. Box 218
Tridelpia, W. Va. 26059

FIELD SALE (IF MADE) TO:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address P.O. Box 173
Middlebourne, W. VA. 26149

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___/ lease ___/ other contract dated August 26, 1980, to the undersigned well operator from Warren Explorations, Inc. (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: (800) 542-3022

BLANKET BOND

Universal Minerals, Inc.
Well Operator
By James Humphrey
Its President

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, _____ feet Rotary X Cable tools _____

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

Approximate coal seam depths: 700' Is coal being mined in the area? Yes _____ X _____

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SAND "Cubic Feet"	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	12"				X	30'	0	Kinds
Fresh water								
Coal	8 5/8"		23	X		750'	750'	Sizes
Intermediate								
Production	4 1/2"		10.5	X		3100'	3100'	Depths set
Tubing								
Liners								Perforations
								Top Section

NOTES: 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 § 22-4-124, and (v) if applicable, the consent required by Code § 22-4-3a from the owner of any water well or drilling 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 5-30-81.

Fred B. Dettle
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 § 22-4-20, 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 _____

Survey