

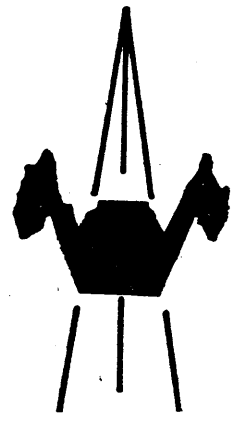
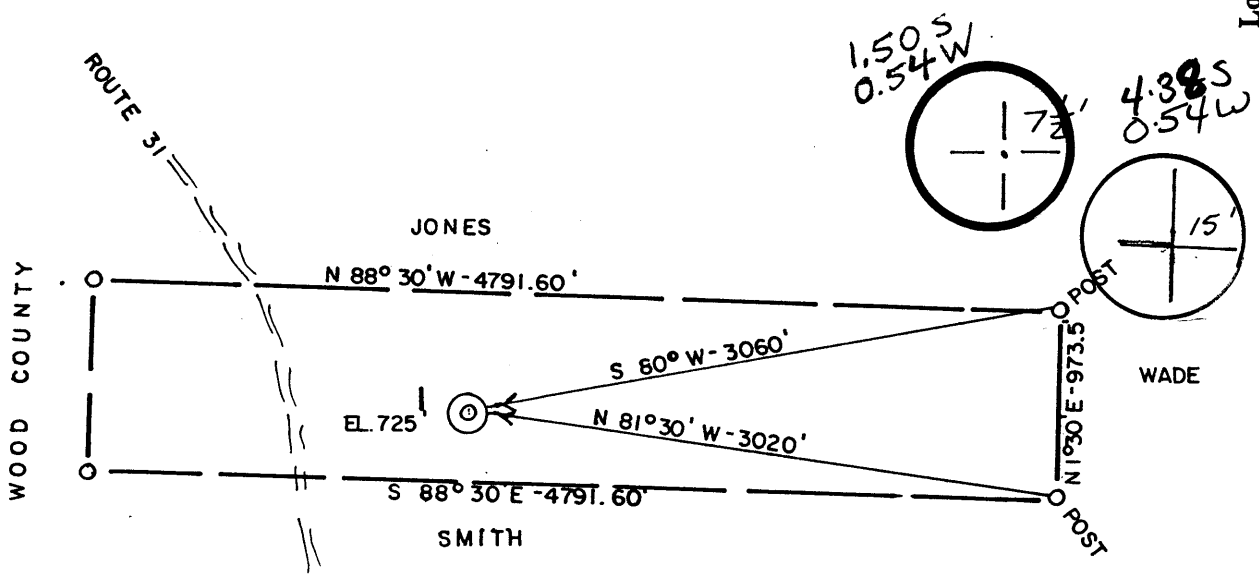
- Plotted

4-45 W

9-23-80

Latitude $39^{\circ} 22' 30''$
 (15') $39^{\circ} 25'$
 7800' SOUTH
 2180' WEST

Longitude $81^{\circ} 25' 00''$
 $81^{\circ} 25' 40''$



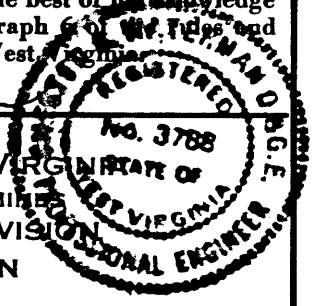
ACCURACY: 1/200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation BENSON Oil
 Est. Depth 3800' Gas
 Other

Source of Elevation ROUTE 31 (671')
 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.

Chet Waterman



Company ENERGY UNLIMITED CORP.
 Address MARIETTA, OH
 Surface Owner JACK SMITH
 Mineral Owner SADIE McATEE

Well No. 1 Acres 105.5
 Elevation 725' MARIETTA 15' W
 Quadrangle VALLEY MILLS Series 7.5'
 County WOOD District WILLIAMS
 Date 8/29/80 Scale 1" = 1000'

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

WELL LOCATION MAP
47 - 107 - 1081
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-5046

note to BOAZ Ferrel A. Cunningham BENSON 3800 70 oct 22 1980

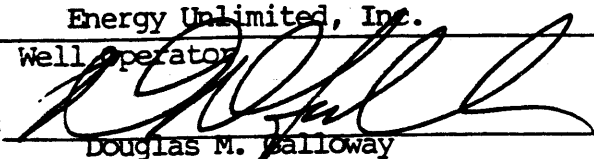
DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

FW 50#M sand in 960 BBL H2O
14- .5 holes from 2349' to 2369'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
soil		soft	0	15	
shale		soft	15	60	
sand		hard	60	80	fresh water
shale		soft	80	170	
sand		hard	170	195	fresh water
shale		soft	195	283	
sand		hard	283	298	fresh water
shale		soft	298	508	
sand		hard	508	540	
shale		soft	540	890	
sand		hard	890	910	
shale		soft	910	1020	
sand		hard	1020	1040	
shale		soft	1040	1348	
sand		hard	1348	1370	
shale		soft	1370	1400	
sand		hard	1400	1420	
shale		soft	1420	1450	
Big Injun Sand		hard	1450	1700	
silty-shale		medium	1700	1830	
shale		soft	1830	1944	
Wells Stray		medium	1944	1952	little gas
shale		soft	1952	2022	
Berea		medium	2022	2026	show of gas & oil
silty shale		medium	2026	2244	
Thirty-Foot		medium	2244	2256	little gas
shale		soft	2256	2362	
Gordon		medium	2362	2386	show of gas & oil
shale		soft	2386	3716	T. D. 3716'

(Attach separate sheets as necessary)

Energy Unlimited, Inc.
Well Operator
By: 
Date: 4/29/82

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."



RECEIVED

OCT 13 1981

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Valley Mills

Permit No. 47-107-1081

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

Company Energy Unlimited, Inc. Address 427 Second St. Marietta, OH 45750 Farm McAtee Acres 105.5 Location (waters) Plum Run Well No. #1 Elev. 725' District Union County Wood

The surface of tract is owned in fee by Address Mineral rights are owned by S. McAtee Address

Drilling Commenced 12/1/80 Drilling Completed 12/10/80 Initial open flow -0- cu. ft. -0- bbls. Final production 25M cu. ft. per day -0- bbls. Well open 24 hrs. before test 500 RP.

Table with 4 columns: Casing and Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. (Sks.). Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 and liners used.

Well treatment details:

FW 50#M sand in 960 BBL H2O 14- .5 holes from 2349' to 2369'

Attach copy of cementing record.

Coal was encountered at none Feet inches Fresh water 60' Feet Salt Water Producing Sand Gordon Depth 2362' - 2386'

Table with 7 columns: Formation, Color, Hard or Soft, Top Feet, Bottom Feet, Oil, Gas or Water, Remarks. Lists geological layers from sand to shale with depths and descriptions.

Handwritten calculation: 3716 - 2026 = 1690 expl. Ft.

(over)

* Indicates Electric Log tops in the remarks section.

OCT 29 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date Oct. 8, 1931

APPROVED Ernest W. Spindel, Inc. Owner

By [Signature]

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP 22 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 September 13, 1980

Surface Owner Jack Smith
Address Route 1, Williamstown, W. Va.

Company Energy Unlimited, Inc.
Address 427 Second Street, Marietta, Ohio

Mineral Owner Sadie M. McAtee
Address Route 1, Box 231, Williamstown, W Va

Farm McAtee Acres 105.5
Location (waters) Plum Run

Coal Owner Same
Address _____

Well No. #1 Elevation 725'
District Union County Wood

Coal Operator None
Address _____

Quadrangle Valley Mills

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 5/24-81

INSPECTOR
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, West Virginia

PHONE 477-2455

[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 August 4 19 80 by Sadie M. McAtee made to Energy Unlimited, Inc. and recorded on the 5th day of August 19 80 in Wood County, Book 742 Page 48

XX 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, Energy Unlimited, Inc.
By: Douglas M. Galloway
(Sign Name) _____
Well Operator

427 Second Street

Street

Marietta

City or Town

Ohio

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

47-107-1081

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 _____

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME N/A NAME David Clovis
 ADDRESS _____ ADDRESS Union Trust Bldg, Parkersburg, W Va
 TELEPHONE _____ TELEPHONE 485-4403
 ESTIMATED DEPTH OF COMPLETED WELL: 3800' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL X GAS X COMB. X 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 <u>XX</u>	250'	250'	Surface
7			
5 1/2			
4 1/2 <u>XX</u>	TD	TD	800'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150' FEET SALT WATER 1500' FEET
 APPROXIMATE COAL DEPTHS N/A
 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