



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

Company ENERGY UNLIMITED, INC.
 Address MARIETTA, OHIO
 Farm ORIS JOHNSON
 Tract _____ Acres 160 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 922'
 Quadrangle MARIETTA *SC*
 County WOOD District UNION
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 77003-400 Drawing No. _____
 Date 10/3/77 Scale 1" = 20P

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

WELL LOCATION MAP
 FILE NO. W00-776

— Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

47-107 OCT 25 1977

6-6 WAVERLY 2500' Below Sand



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

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OIL AND GAS DIVISION
JUN 1 1978

- Rotary
- Spudder
- Cable Tools
- Storage

WELL RECORD

Oil or Gas Well Combination
(KIND)

Location Marietta
Permit No. W00-776

Company Energy Unlimited, Inc.
Address 427 Second St., Marietta, Ohio
Farm Oris Johnson Acres 93
Location (waters) Bull Run
Well No. 1 Elev. 922'
District Union County Wood
The surface of tract is owned in fee by Oris Johnson
Address R#2, Box 113, Waverly
Mineral rights are owned by Same
Address West Virginia
Drilling commenced 10/28/77
Drilling completed 11/5/77
Date Shot 11/8/77 From 2314' To 2318'
With Thirteen .50" holes
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure 100 lbs. 24 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) F/W 45.5M Gal W & 36# 20/40

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4			
6 3/4			
5 3/16			
4 1/2		<u>2376'</u>	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 7" SIZE 250' No. Ft.
Amount of cement used (bags)
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT FEET INCH
 FEET INCHES FEET INCH
 FEET INCHES FEET INCH

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 50 MCFD & 3 BOPD
ROCK PRESSURE AFTER TREATMENT 550 PSIG HOURS 24
Fresh Water Feet Salt Water Feet
Producing Sand Berea Depth 2313'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sandy Shale						900-1052	
Coal						1052-1056	
Shale						1056-1062	
Sand						1062-1081	
Shale						1081-1200	
Sand						1200-1242	
Shaly Sands						1242-1382	
Sand						1382-1463	
Shale						1463-1582	
Lime						1582-1590	
Shale						1590-1632	
Sand						1632-1716	
Shale						1716-1736	
Sand						1736-1954	Big Injun
Shale						1954-1966	
Sand						1966-1994	Squaw
Shale						1994-2252	
Sand						2252-2254	
Shale						2254-2313	
Sand						2313-2322	Berea
Shale						2322-TD	

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

107-00776
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OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION *Pg*

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 7, 1977

Surface Owner Oris Johnson

Company Energy Unlimited, Inc.

Address Rt. #2, Box 113, Waverly, WV

Address 427 Second St, Marietta, OH 45750

Mineral Owner Same

Farm Oris Johnson Acres 93

Address _____

Location (waters) -

Coal Owner Same

Well No. 1 Elevation 922

Address _____

District Union County Wood

Coal Operator None

Quadrangle Marietta

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 2-13-78.

INSPECTOR TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, W. Va.

PHONE 477-3660

Robert L. Jones
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 March 9 19 77 by Oris Johnson Baronita Johnson made to J. E. Olds and recorded on the 13 day of March 19 68 in Wood County, Book 541 Page 419

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.
(Sign Name) *Douglas M. Galloway*
Well Operator
Douglas M. Galloway
427 Second Street
Street
Marietta,
City or Town
Ohio 45750
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.

BOND DRILL

WOO-776 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."

47-107

Signed by *Douglas M. Galloway*

Survey

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 Comanche Drilling Company NAME Beryl A. Cunningham
 ADDRESS P.O. Box 721, Cambridge, OH 43725 ADDRESS 209½ 4th St., Parkersburg, WV
 TELEPHONE 1-614-685-2566 TELEPHONE 1-304-485-0221
 ESTIMATED DEPTH OF COMPLETED WELL: 2500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea Sand
 TYPE OF WELL: OIL X 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			
7 <u>X</u>	250'	250'	Surface
5 ½			
4 ½	Total Depth	Total Depth	400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER 1500 FEET _____
 APPROXIMATE COAL DEPTHS None
 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