



File No. \_\_\_\_\_  
 Drawing No. \_\_\_\_\_  
 Scale 1" = 800'  
 Minimum Degree of Accuracy 1 per 200  
 Proven Source of Elevation USGS

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) Thomas D. Schulteis  
 P.P.E. \_\_\_\_\_ L.L.C. 604

(Seal)

(+) Denotes location of well on United States Topographic Maps  
 Form IV-6  
 (8-78)

Date 8-14, 1981  
 Operator's Well No. 5  
 API Well No. 47 107 1172  
 State Ohio County Wood Permit

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION

SEP 9 1981

Well Type: Oil  Gas  Liquid Injection \_\_\_\_\_ Waste Disposal \_\_\_\_\_  
 (if "Gas", Production  Storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow \_\_\_\_\_  
 Location: Elevation 781 Water Shed OHIO RIVER Marietta  
 District OHIO County WOOD Quadrangle VALLEY MILLS  
 Surface Owner STEVE NEWTON Lease Acreage 234  
 Oil & Gas Royalty Owner STEVE NEWTON Lease Acreage 234 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  
 Estimated Depth 2500' Well Operator ENERGY REDEVELOPMENT  
 Address Box 266 BYESVILLE, OHIO  
 Designated Agent ERVIN MORRIS  
 Address Box 266 BYESVILLE, OHIO

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

Date: February 5, 1982

FORM IV-35  
(Obverse)

Operator's  
Well No. Stephen Newton #5

(08-78)

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47-407-1172  
State County P.

WELL TYPE: Oil X / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_)  
LOCATION: Elevation: 782 Watershed: \_\_\_\_\_  
District: Union County: Wood Quadrangle: Marietta

WELL OPERATOR Energy Re-Development DESIGNATED AGENT Stephen C. Newton  
Address P. O. Box 266 Address Route #1 Box 289  
Byesville, Ohio 43723 Williamstown, W VA 26187

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

PERMIT ISSUED ON August 10, 1981 OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name K. P. Goodnight  
Address Smithville, W VA

GEOLOGICAL TARGET FORMATION: Gordon Depth 2442 feet  
Depth of completed well, 2442 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, none feet; salt, none feet.  
Coal seam depths: none Is coal being mined in the area? no  
Work was commenced August 20, 1981, and completed January 3, 1982

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		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate	7"		20	X		246	246	125 sks to Surface
Production	4 1/2"					2453	2453	100 sks Depth set.
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA  
Producing formation Gordon Pay zone depth 2430-2442 feet  
Gas: Initial open flow, 20,000 Mcf/d Oil: Initial open flow, 1 bbl/d  
Final open flow, 10,000 Mcf/d Final open flow, 0 bbl/d  
Time of open flow between initial and final tests, 8 hours  
Static rock pressure, 400 psig (surface measurement) after 8 hours shut in  
[If applicable due to multiple completion--]  
Second producing formation \_\_\_\_\_ Pay zone \_\_\_\_\_ feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
Final open flow, \_\_\_\_\_ Mcf/d Final open flow, \_\_\_\_\_ bbl/d  
Time of open flow between initial and final tests, \_\_\_\_\_ hours  
Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

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JAN 10 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

JAN 28 1985

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

See attached cementing and fracing invoices. 7

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface			0	500	
Masburg Sand			500	600	
Sand			780	825	
Broken Sand			905	980	
Salt Sand			1014	1068	
Salt Sand			1090	1125	
Salt Sand			1205	1235	
Salt Sand			1270	1325	
Lower Salt Sand			1405	1605	
Injun			1615	1725	
Weir			1795	1905	
Berea			2085	2090	
Gordon Stray			2095	2293	
Gordon			2410	2440	
TD				2447	

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JAN 10 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

(Attach separate sheets to complete as necessary)

Energy Re-Development  
Well Operator \_\_\_\_\_  
By [Signature]  
Its Owner \_\_\_\_\_

**NOTE:** Regulation 2.02(f) 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."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED  
AUG 10 1981

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE July 24, 1981

Surface Owner Stephen and Karen Newton

Company Energy Re-Development

Address 515 Fifth Street Marietta, OH 45750

Address P.O. Box 266 Byesville, OH 43723

Mineral Owner Same as above

Farm Stephen Newton Acres 234

Address \_\_\_\_\_

Location (waters) \_\_\_\_\_

Coal Owner Same as above

Well No. 5 Elevation 755

Address \_\_\_\_\_

District Union County Wood

Coal Operator NA

Quadrangle Valley Mills

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 4-24-82.

INSPECTOR TO BE NOTIFIED K. P. Goodnight

ADDRESS Smithville, W VA

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 June 29 1979 by Stephen Newton made to Energy Re-Development and recorded on the 17th day of July 1979, in Wood County, Book 724 Page 323

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,  
(Sign Name) *[Signature]*  
ENERGY RE-DEVELOPMENT  
P.O. Box 266  
Street  
Byesville  
City or Town  
OHIO 43723  
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.

47-107-1172 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 *[Signature]*

BLANKET BOND

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 Ron Evans \_\_\_\_\_ NAME Stephen Newton \_\_\_\_\_  
 ADDRESS P.O. Box 375 Reno, OH \_\_\_\_\_ ADDRESS Route #1 Box 289 Williamstown, W \_\_\_\_\_  
 TELEPHONE 614-374-4230 \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL 2500' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon \_\_\_\_\_  
 TYPE OF WELL: OIL XX GAS XX 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			
8 - 8			
5 - 8			
	265		125 SKS
		2600'	125 SKS
			Perf. Top
			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS NA  
 IS COAL BEING MINED IN THE AREA? NA 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 the lease have examined and placed on our mine maps this proposed well location.

And the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, provided 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