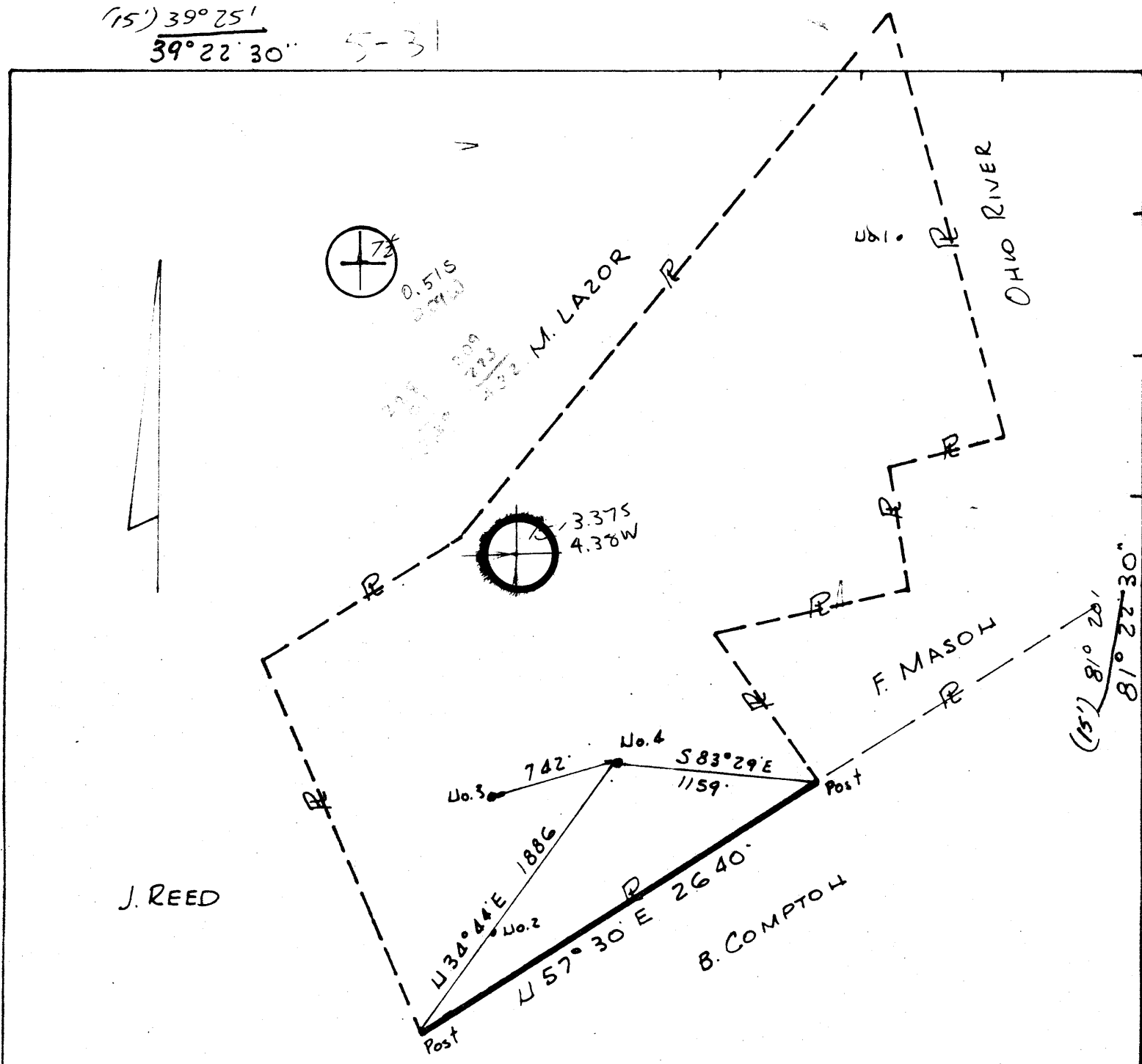


(15') 39° 25'
39° 22' 30" 5-31



FRACTURE _____
 REFRILL _____
 NEW LOCATION
 DRILL DEEPER _____
 ABANDONMENT _____

Source of Elevation U.S.G.S

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.

ELEVATION (Spirit Level) 755
 DATE 9-18-80 SCALE 1" = 800'

MINIMUM ACCURACY, one part in 200'

COMPANY ENERGY REDEVELOPMENT
 ADDRESS Box 266 BYESVILLE, OHIO
 FARM STEVE HEINTON
 TRACT _____ ACRES 234 LEASE NO. _____
 WELL (Farm) NO. 4 SERIAL NO. _____
 QUADRANGLE MARIETTA 15
VALLEY MILLS C
 COUNTY Wood DISTRICT Union
 SURVEYOR OR ENGINEER R. V. Schmitt
 SURVEYOR'S OR ENGINEER'S REGISTRATION NO. 3317

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL LOCATION MAP
 FILE NO. 107-1084

+ Denotes location of well on United States Topographic Maps, Scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

6-0 Boaz (70)

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

WELL TYPE: Oil X / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)

LOCATION: Elevation: 755 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 September 22, 1980

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

_____, 19____

GEOLOGICAL TARGET FORMATION: Salt Sand Depth 1370 feet
Depth of completed well, 1370 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 May 15, 1981, and completed November 25, 1981

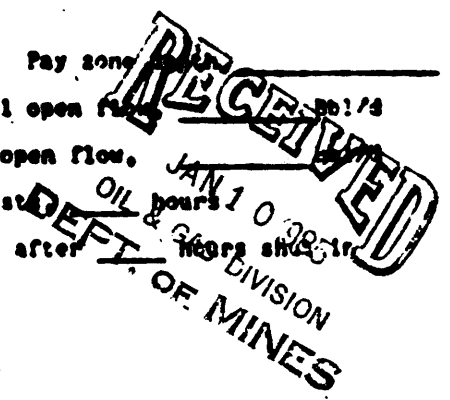
CASING AND TUBING PROGRAM

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									Kind
Fresh water									
Coal									Size
Intermediate	7"		20	X		253	253	100 sks to Surface	
Production	4 1/2"					1370	1370	75 sks	Depth set
Tubing									
Liners									Perforations
									Top Bottom

OPEN FLOW DATA

Producing formation Salt Sand Pay zone depth 1090-1235 feet
Gas: Initial open flow, 20,000 Mcf/d Oil: Initial open flow, 0 bbl/d
Final open flow, 5000 Mcf/d Final open flow, 0 bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 350 psig (surface measurement) after 6 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



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			500	600	
Masburg			750	795	
Sand			850	895	
Broken Sand			950	995	
Salt Sand			1040	1085	
Salt Sand			1135	1170	
Salt Sand			1215	1260	
<u>TD</u>				1370	

(Attach separate sheets to complete as necessary)

Energy Re-Development
Well Operator

By E. J. Manna

Its Owner

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 22 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

RECLAMATION APPLICATION

September 22, 1980

Applicant: Stephen and Karen Newton
Address: 515 Fifth Street Marietta, OH 45750
Mailing Address: Same as above

Project: Energy Re-Development
Address: PO Box 266 Byesville, OH 43723
Owner: Stephen Newton Acres 234

Coal Type: Same as above

Section: 4 Elevation: 755

Address: NA

Township: Union County: Wood
District: 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.

Approved by: K.P. Goodnight
Address: Smithville, WV
Phone: 477-2455

[Signature]
Deputy Director - Oil & Gas Division

This permit is issued to the operator to drill upon the above named farm or tract of land for oil and gas, having fee title thereto. This permit may be under grant or lease filed June 29 1979 by Stephen Newton Energy Re-Development and recorded on the 17th day of July 1979 in Wood County, Book 724 Page 323

XX DRILL REDEVELOP BEDWELL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The location 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 places shown respectively _____ 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 PRINT COPIES OF ALL
GEMINER RECORDS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 107
MORGANTOWN, WEST VIRGINIA 26505
AC-304

Very truly yours,

(Sign Name) *[Signature]*

Well Operator
ENERGY RE-DEVELOPMENT
PO Box 266
Byesville, OH
Ohio 43723

*SECTION 3. If no objection is filed or filed by the operator of mine, within said period of ten days from the receipt of notice and plat by the department of mines, and provided payment for the permit shall forthwith issue to the well operator a permit reciting the filing of a compliance plan as now has been made, the granting of such permit by the department and that the same is approved and the well operator authorized to proceed.

47-107-1084 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]*



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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLED CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Mid-American Contracting NAME Stephen Newton
 ADDRESS Box 376 Reno, OH ADDRESS Route #1, Box 289 Williamstown, WV
 TELEPHONE 373-8501 TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL 2500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL OIL X GAS X COMB _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	DEPTH IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
	265		125 SKS
5 - 1/2			
4 - 1/2		2600'	125 SKS
3 - 1/2			Perf. Top
2 - 1/2			Perf. Bottom
1 - 1/2			Perf. Top
1 - 1/4			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 this lease have examined and place on our mine maps this proposed well location.

W. 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