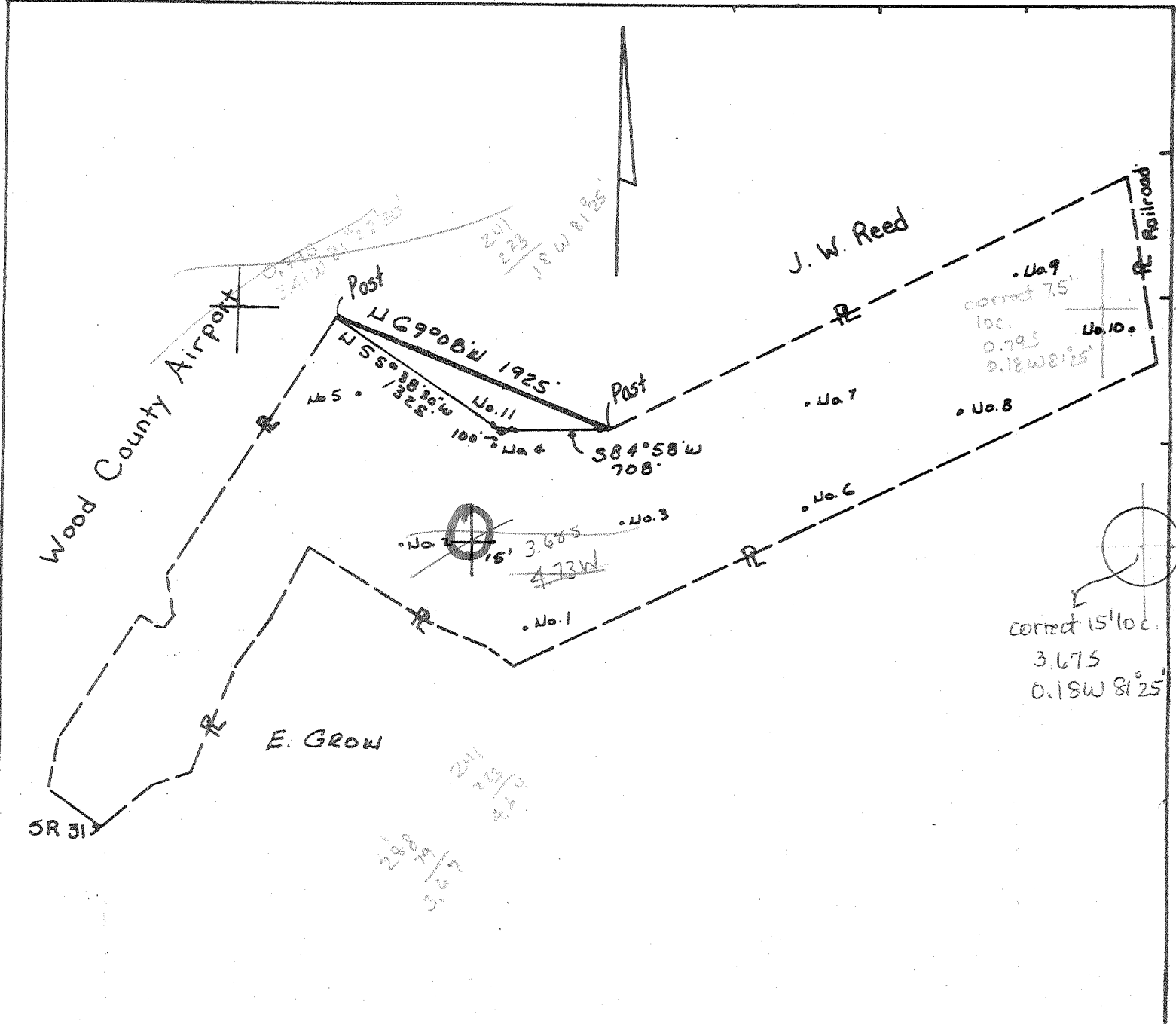


St. early CSB
d. 1/1/80

39° 25' ✓
39° 22' 30"

81° 20' ✓
81° 22' 20"



FRACTURE _____
 REDRILL _____
 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) 787
 DATE 11-6-80 SCALE 1"=1000'

MINIMUM ACCURACY, one part in 200

COMPANY Energy Redevelopment
 ADDRESS Box 266, Byesville, Ohio
 FARM Beverly Compton
 TRACT _____ ACRES 252.35 LEASE NO. _____
 WELL (Farm).NO. 11 Marietta WC
 QUADRANGLE Valley Mills 677 15
 COUNTY Wood DISTRICT Union
 SURVEYOR or ENGINEER Thomas D. Schultheis
 SURVEYOR or ENGINEER REGISTRATION NO. 604

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL LOCATION MAP
WILE NO.

* Denotes location of well on United States Topographic Maps, Scale 1 to 1,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border lines of original tracing.

107 - 1104
 DEC 19 1980

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: 787 Watershed: _____
District: Union County: Wood Quadrangle: Valley Mills

WELL OPERATOR Energy Re-Development DESIGNATED AGENT Ervin Morris
Address P. O. Box 266 Address P. O. Box 266
Byesville, Ohio 43723 Cambridge, Ohio 43723

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 November 14, 19 80 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 2505 feet
Depth of completed well, 2490 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 November 15, 1980, and completed July 17, 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									Winds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		20	X		251	251	75 sks to Surface	
Production	4 1/2						2500	100 sks	Depth set.
Tubing									
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation Gordon Pay zone depth _____ feet
Gas: Initial open flow, show Mcf/d Oil: Initial open flow, 1 Bbl/d
Final open flow, 10 Mcf/d Final open flow, 2 Bbl/d
Time of open flow between initial and final tests, 8 hours
Static rock pressure, 610 psig (surface measurement) after 8 hours shut in
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Mcf/d Final open flow, JAN 10 1985 Bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

RECEIVED
DEPT. OF MINES

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

See attached cementing and frac 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	2498	
<u>TD</u>				2500	

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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 Li Mema

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

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NOV 14 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION OF MINES

OIL & GAS DIVISION

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

Surface Owner Beverly Compton
Address 515 Fifth St. Marietta, OH 45750
Mineral Owner Beverly Compton
Address Same as Above
Coal Owner NA
Address _____
Coal Operator NA
Address _____

DATE November 12, 1980
Company Energy Re-Development
Address Box 266 Byesville, OH 43723
Farm Beverly Compton Acres 252.33
Location (waters) _____
Well No. 11 Elevation 787'
District Union County Wood
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 7-18-81.

INSPECTOR

TO BE NOTIFIED K. P. Goodnight

ADDRESS Smith-ville, WV

PHONE 477-2455

J. E. Murray
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 July 12 1979 by Beverly Compton made to Energy Re-Development and recorded on the 23rd day of July 1979, in Wood County, Book 724 Page 470

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

Very truly yours,

(Sign Name) Ervin Morris

ENERGY RE-DEVELOPMENT

Box 266

Street

Byesville,

City or Town

Ohio 43723

State

Address
of
Well Operator

*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.

47-107-1104

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 Ervin Morris
Ervin Morris

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 Mid-American Contracting, Inc. NAME Stephen C. Newton
 ADDRESS State Route 7, Reno, OH ADDRESS Route #1, Box 289 Williamstown, W
 TELEPHONE 323-8501 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 PUT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7	265	265	125 SKS CTS
5 1/2		2600'	225 SKS or as reqd.
4 1/2			Perf. Top by rule 15.01
3			Perf. Bottom
2			Perf. Top
Liners			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.

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