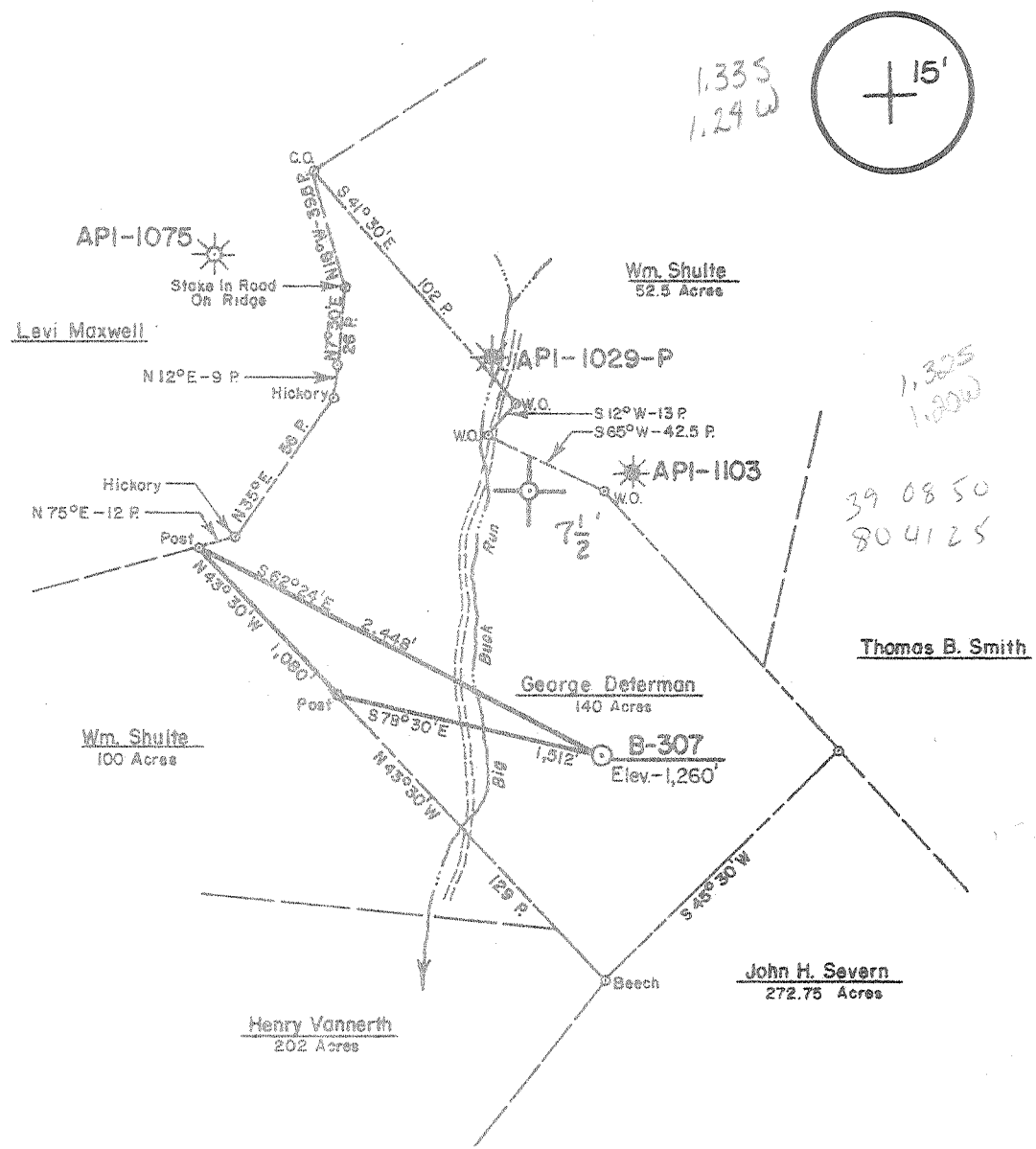


LATITUDE 39° 10' 00"

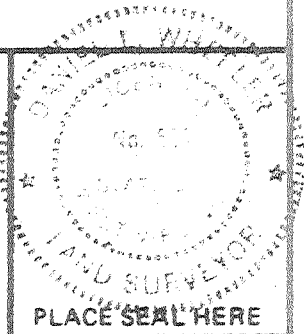
LONGITUDE 80° 40' 00"

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 Part in 200
 PROVEN SOURCE OF ELEVATION Rd. Fks. Sec. Rt. 18
B S.L.S. Rt. 54 U.E. 929

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) David L. Wheeler
 R.P.E. _____ L.L.S. 530



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE November 2, 19 79
 OPERATOR'S WELL NO. B-307
 API WELL NO. 47 - 017 - 2552
 STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 1260' WC WATER SHED Big Buck Run
 DISTRICT Cove COUNTY Doddridge
 QUADRANGLE New Milton 7.5', VADIS 15'
 SURFACE OWNER George Determan ACREAGE 140
 OIL & GAS ROYALTY OWNER George Determan LEASE ACREAGE 140
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 Benson ESTIMATED DEPTH 4500'
 WELL OPERATOR J. & J. Enterprises, Inc. DESIGNATED AGENT Berry Energy Consultants & Managers, Inc.
 ADDRESS Berry Energy Consultants & Managers, Inc. Suite 309 Professional Building
Suite 309 - Professional Bldg. Clarksburg, W.Va. 26301 Clarksburg, W.Va. 26301

SEP 17 1980

Oil and Gas Division

OIL & GAS DIVISION

WELL RECORD

DEPT. OF MINES

Quadrangle NEW MILTON

Permit No. DOD-2552

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

Company J & J Enterprises, Inc.
c/o Berry Energy Cons. & Mgrs., Inc.
Address 309 Professional Bldg., Clarksburg, WV
Farm George Determan Acres 140

Location (waters) Big Buck Run
Well No. B-307 Elev. 1260'
District Cove County Doddridge

The surface of tract is owned in fee by Geo. J. Determan

Address 604 Court St., Weston, WV

Mineral rights are owned by Same

Address _____

Drilling Commenced 5-19-80

Drilling Completed 5-26-80

Initial open flow Show cu. ft. _____ bbls.

Final production 959 M cu. ft. per day _____ bbls.

Well open 4 hrs. before test 1850# RP.

Well treatment details: 14 days

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 11-3/4"	30'	30'	To surface
13-10"			
9 5/8			
8 5/8	1387'	1387'	To surface
7			
5 1/2			
4 1/2	5643'	5643'	250 sks
3			
2			
Liners Used			

Attach copy of cementing record.

Alexander treated 7-2-80 with 70,000# sand, 740 bbl water and 500 gal acid

Perforations: 5547-5573' with 13 holes

Benson treated with 60,000# sand, 692 bbl water and 500 gal acid

Perforations: 5245-48' with 12 holes

Coal was encountered at 384' Feet 60" Inches
Fresh water 160' Feet 1/2" stream Salt Water 1740' Feet
Producing Sand Alexander and Benson Depth See perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	384	Water	160' Fresh
Coal			384	389		
Sand & Shale			389	1375		
Lime			1375	1690		
Sand & Shale			1690	2190	Water	1740' Salt
Red Rock			2190	2225		
Little Lime			2225	2302		
Sand & Shale			2302	2390		
Big Lime & Injun			2390	2500		
Sand & Shale			2500	2650		
Brown Sand			2650	5130		
Sand & Shale			5130	5150		
Benson			5150	5250	Gas	5245-48'
Sand & Shale			5250	5560		
Alexander			5560	5600	Gas	5547-5573'
Total Depth				5732'		

J & J Enterprises, Inc.
c/o Berry Energy Cons. & Mgrs., Inc.
309 Professional Bldg.
Clarksburg, WV 26301

By: [Signature]

(over)

Indicates Electric Log tops in the remarks section.

SEP 23 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECORDED
DEC 17 1979
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner George J. Determan
Address 604 Court St., Weston, WV 26452
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Not Operated
Address _____

DATE December 12, 1979
Company J & J Enterprises, Inc.
Address c/o Berry Energy Consultants & Mgrs.
308-309 Professional Bldg., Clarksbu
Farm George Determan Acres 140
Location (waters) Big Buck Run
Well No. B-307 Elevation 1260'
District Cove County Doddridge
Quadrangle New Milton 7.5'

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 8-18-80.

Robert T. Berry
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St., Clarksburg, WV 26301
PHONE 622-3871

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 9 1978 by George J. Determan, et ux made to W. B. Berry and recorded on the 30th day of October 1978 in Doddridge County, Book 105 Page 309
 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 Same 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, J & J Enterprises, Inc.
(Sign Name) c/o Berry Energy Consultants & Mgrs
Well Operator

308-309 Professional Bldg.
Street
Clarksburg, WV 26301
City or Town

BY: W B Berry

*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.

47-017-2552

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 _____

BLANKET BOND

