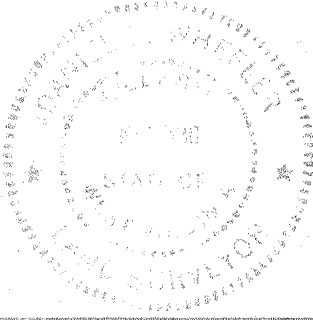
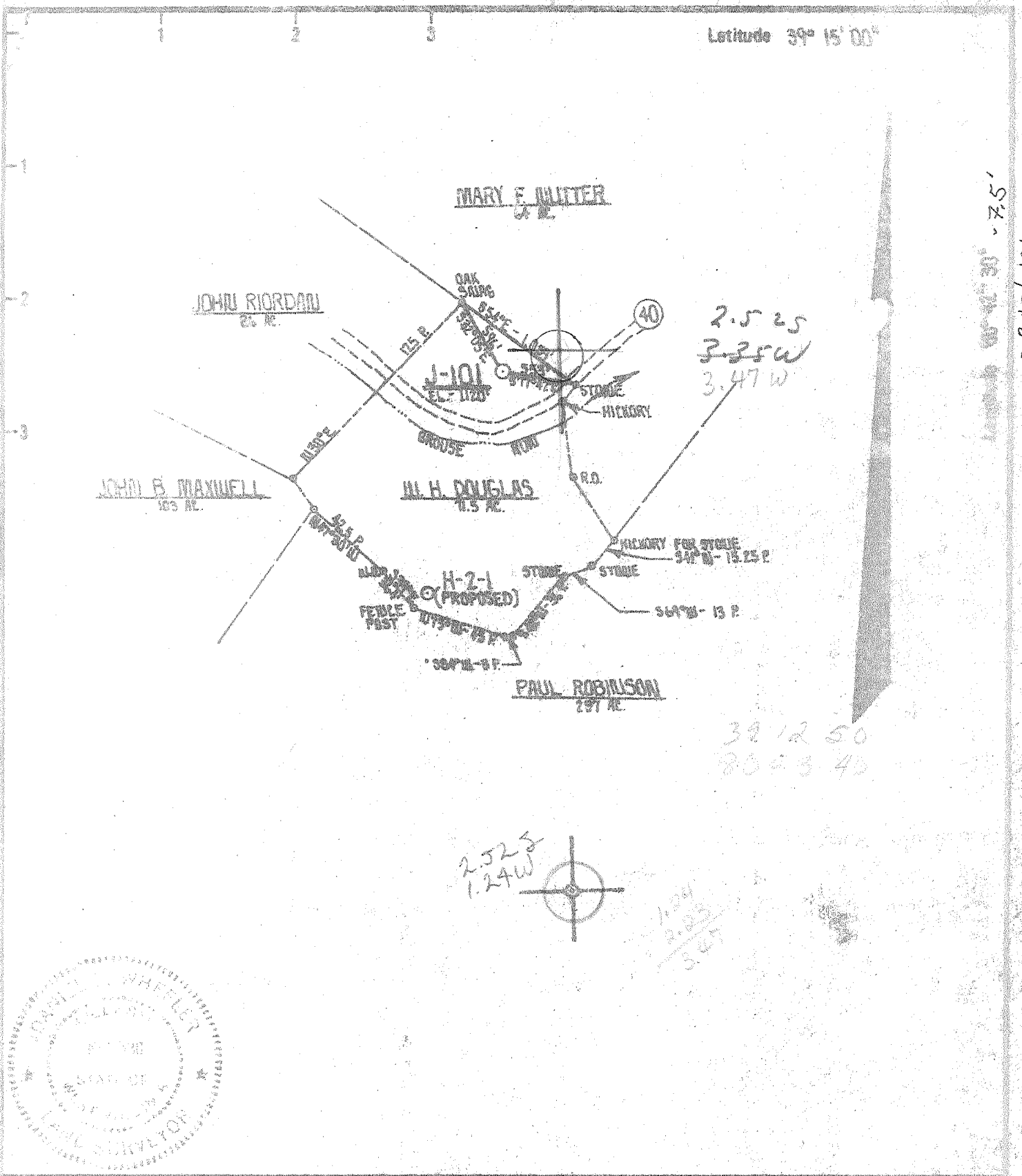


Plot Card CSD



New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>1 PART IN 200</u> Source of Elevation <u>INT. RT. 40 & 40/3</u> <u>EL. 872'</u> "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."
---	--

Company	<u>J & J ENTERPRISES, INC.</u>		
Address	<u>P.O. BOX 48 BUCKHANNON, W. VA. 26201</u>		
Farm	<u>W. H. DOUGLAS</u>		
Tract	Acres	Lease No.	
	<u>7.5</u>	<u>H-2</u>	
Well (Farm) No.	<u>J-101</u>	Serial No.	
Elevation (Spirit Level)	<u>1120'</u>		
Quadrangle	<u>NEWMILTON 7.5' NW Vada 15</u>		
County	District		
<u>DOUGLASS</u>	<u>NEWMILTON</u>		
Engineer	<u>Daniel L. Wheeler</u>		
Engineer's Registration No.	<u>530</u>	Exp.	<u>1-1-5</u>
File No.	<u>19/49</u>	Drawing No.	
Date	<u>3/25/80</u>	Scale	<u>1"=1,000'</u>

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

WELL LOCATION MAP
 FILE NO. 47-017-2653

+ 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.

PORTO RICO 134 MAY 6 1980

30° 40' - 10'

1.004
 1.24W
 3.47

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

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

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production: / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1120 Watershed: Grouse Run
District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

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

PERMIT ISSUED ON 3-31, 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 Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5250
Depth of completed well, 5465 feet Rotary / Cable Tools
Water strata depth: Fresh, 100-1025 feet; salt, 1466 feet.
Coal seam depths: 78-81 Is coal being mined in the area? No
Work was commenced 5-14, 19 80, and completed 5-20, 19 80

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	13/4H-40	42	X			30	30	0 sks Kinds
Fresh water	5/8ERW	23	X			1573.20	1573.20	370 sks
Coal	5/8ERW	23	X			1573.20	1573.20	370 sks Sizes
Intermediate								
Production	1/2 J-55	10.5	X			5325	5325	530 sks Seams set
Tubing								
Liners								Perforations: Top Bottom

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5225-5251 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 421 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1550 psig (surface measurement) after 96 hours shut in
[If applicable due to multiple completion--] 3788-92
4049-52

Second producing formation Benson & Balltown Pay zone depth 4950-60 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

JUN 6 1980

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

Alexander - Perforations: 5225-5251 (12 holes)
Fracturing: 60,000 lbs. 20/40 sand: 558 Bbls. fluid.

Benson - Perforations: 4846-4943 (11 holes)
Fracturing: 15,000 lbs. 80/100 sand: 40,000 lbs. 20/40 sand: 500 g.
Acid: 423 Bbls fluid.

Balltown - Perforations: 3788-4052 (11 holes)
Fracturing: 500 gal Acid: 15,000 lbs. 80/100 sand: 30,000 lbs.
20/40 sand: 354 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all fresh and salt water, coal, oil and gas
limestone & shale			0	15	
limestone Rock & Shale			15	20	
limestone & Sand			20	50	
limestone Rock			50	78	
limestone			78	81	
limestone Rock & Sand			81	115	Water @ 100
limestone & Red Rock			115	122	
limestone & shale			122	155	
limestone Rock			155	165	
limestone, Shale & Red Rock			165	175	
limestone Rock			175	180	
limestone & Shale			180	220	
limestone Rock			220	230	
limestone & Shale			230	260	
limestone Rock			260	275	
limestone & Shale			275	290	
limestone & Red Rock			290	317	
limestone & Shale			317	384	
limestone Rock & Sand			384	425	
limestone, Shale & Red Rock			425	480	
limestone			480	504	Wet @ 490'
limestone & Shale			504	780	
limestone Rock & Shale			780	790	
limestone			790	850	
limestone & Shale			850	980	
limestone Rock, Sand & Shale			980	1005	
limestone Rock			1005	1010	
limestone, Shale & Red Rock			1010	1170	
limestone & Shale			1170	1220	
limestone			1220	1260	1/2" stream water @ 1025
limestone & Shale			1260	1425	
limestone			1425	1487	

(Attach separate sheets as complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By Peter Battles
 Peter Battles
 Geologist

NOTE: Regulation 2.02(d) 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."

andy Shale	1487	1505	1" stream salty water @ 1466
black Shale	1505	1509	
andy Shale	1509	1910	
ittle Lime	-1910	1920	
. Monday	1920	1950	
ig Lime	-1950	2005	
ig Injun	2005	2080	
and & Lime	2080	2092	Gas @ 2270 92/10 thru 1" w/water
and & Shale	2092	3788	Gas @ 3388 18/10 thru 1" w/water
alltown	3788	3792	
and & Shale	3792	4721	
and & Shale	4721	4846	
and	4846	4950	Gas @ 4721 20/10 thru 3/4" w/wa
enson	-4950	4960	Gas @ 4999 20/10 thru 3/4"w/wat
and & Shale	4960	5225	
and	5225	5250	Gas @ 5465 100/10 thru 3/4" w/wa
lexander	5250	5330	
and & Shale	5330	5465	T.D. 5465

JUL 7 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-101

API Well No. 47 - 017 - 2653
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1120' Watershed: Grouse Run
District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR J & J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER W.I. Douglas Heirs
C/O James Douglas
Address 100 Quick Road
Elkview, WV 25071

COAL OPERATOR None
Address

ACREAGE 71.5
SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D.C. 20070
ACREAGE 71.5

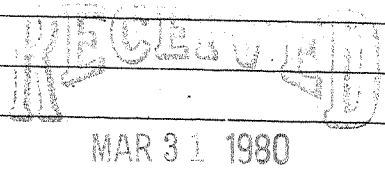
COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Dr. AARON Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D.C. 20570

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address



The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 8-10, 1979, to the undersigned well operator from Justin Henderson

(If said deed, lease, or other contract has been recorded:)
Recorded on 8-24, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in OIL & GAS Book 110 at page 113. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to take or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1 WASHINGTON STREET EAST
ALEXANDRIA, WV 25301
TELEPHONE: (304) 348-3397

J & J Enterprises, Inc.
Well Operator
By Peter Battles
Peter Battles
Geologist

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5250 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 25 feet; salt 1000 feet.
Approximate coal seam depths: None Is coal being mined in the area: Yes / No X

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New/Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top/Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-6c from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 12-3-80.

Signature of Deputy Director - Coal and Gas Division. Issued by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

TA I V E R

To undersigned coal operator / owner / lessee / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

By
Its