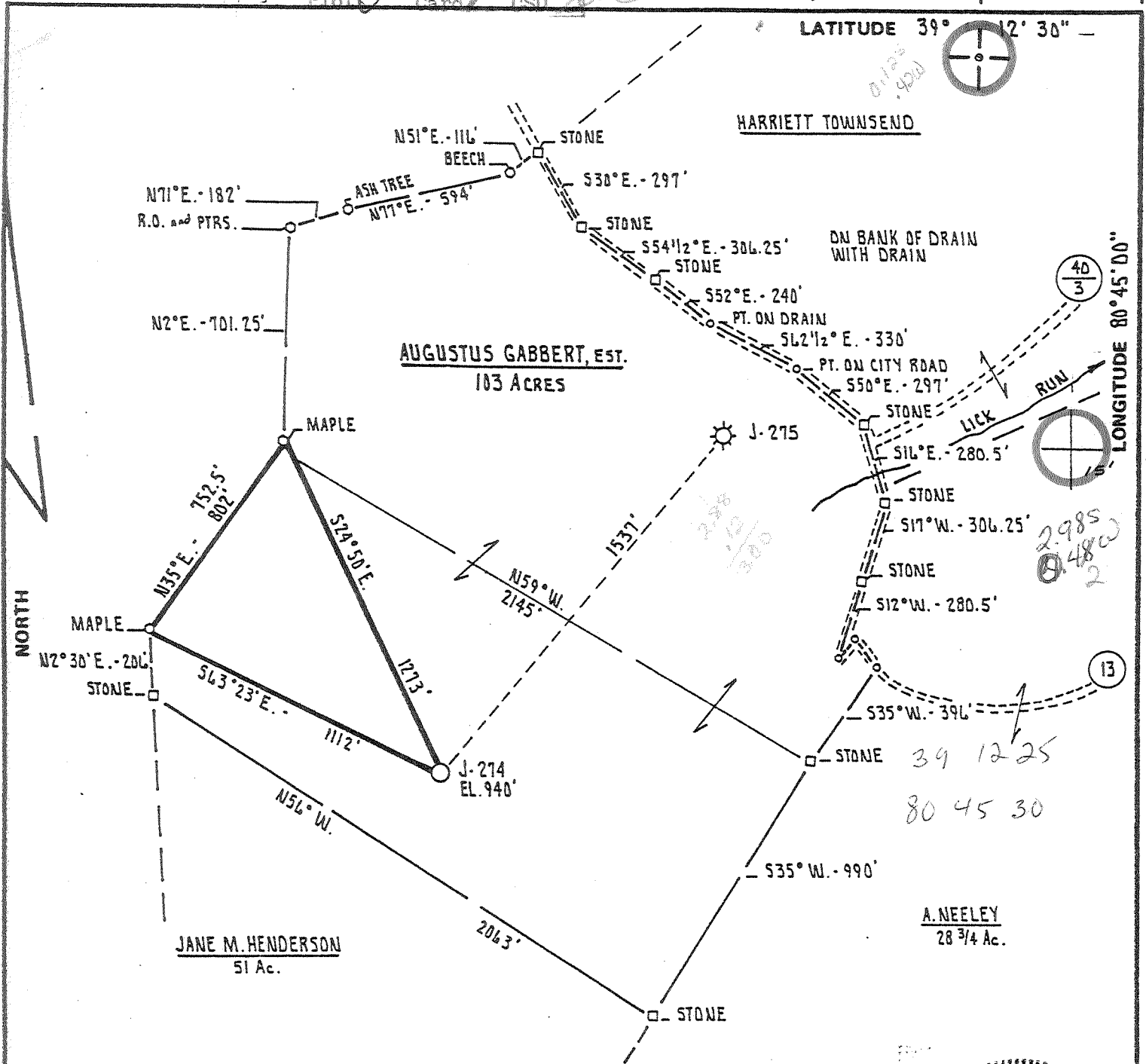


413 Plot Card NSD

LATITUDE 39° 12' 30" - 2,250



FILE NO. 19/66
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RT. #13 and 40/3
ELEVATION 968'

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) Cecil R. Main
 R.P.E. _____ L.L.S. 711



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



DATE MARCH 10th, 19 81
 OPERATOR'S WELL NO. J-274
 API WELL NO. REVISED
47 - 017 - 2948-Rev
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

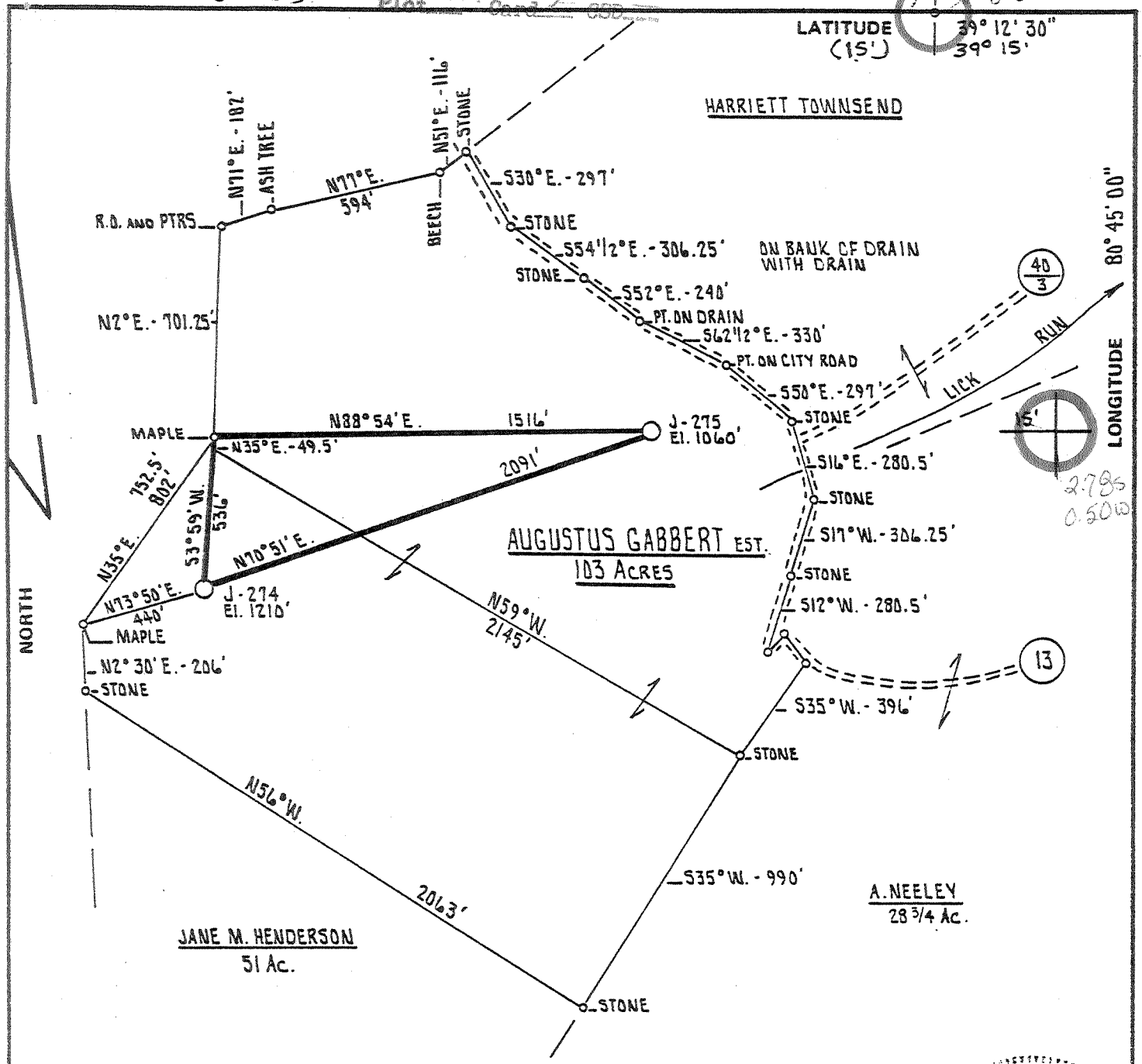
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 940' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5 Holbrook NE
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 103 Ac.
 OIL & GAS ROYALTY OWNER AUGUSTUS GABBERT LEASE ACREAGE 103 Ac.
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. and J. ENTERPRISES INC. DESIGNATED AGENT ROGER BOLSTON
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201

6-6 PORTO RICO

APR 22 1981 (234)



LATITUDE (15') $39^{\circ} 12' 30''$
 $39^{\circ} 15'$

LONGITUDE $80^{\circ} 45' 00''$

FILE NO. 19/66
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'
 PROVEN SOURCE OF ELEVATION INT. RT. 13 AND 40/3
ELEVATION 968'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. _____



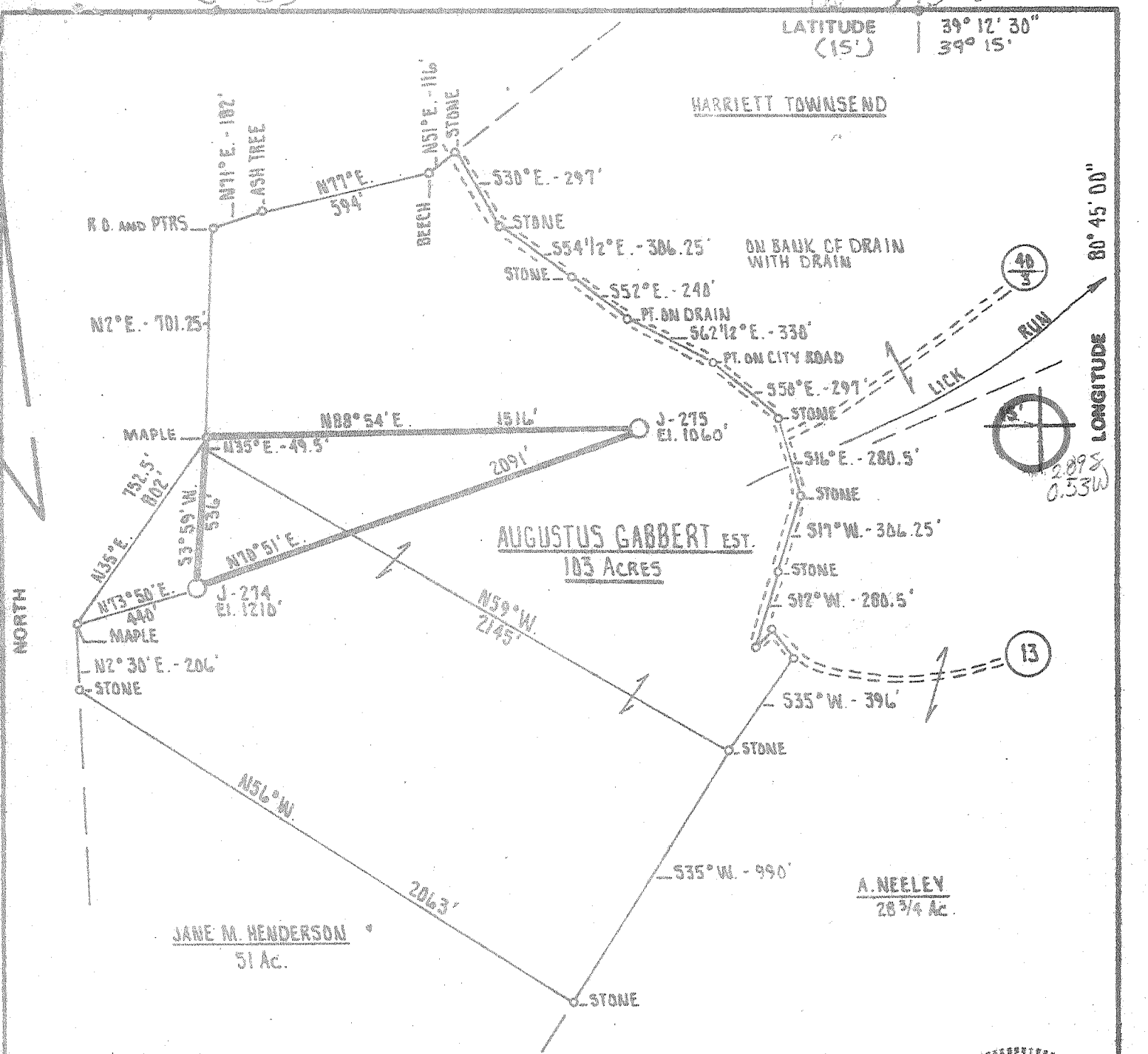
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APRIL 28, 19 80
 OPERATOR'S WELL NO. J-274
 API WELL NO. _____
47 - 017 - 2948
 STATE COUNTY PERMIT
 Formerly: 017 - 2735

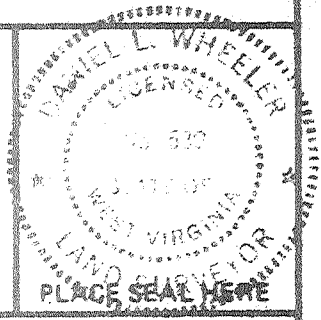
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1210' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE OXFORD 15' HOLBROOK 15' NE
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 103
 OIL & GAS ROYALTY OWNER AUGUSTUS GABBERT EST. LEASE ACREAGE 103
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. AND J. ENTERPRISES INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201



FILE NO. 19/66
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'
 PROVEN SOURCE OF ELEVATION INT. RT. 13 AND 40/3
ELEVATION 968'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. _____



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



DATE APRIL 28, 19 80
 OPERATOR'S WELL NO. J-274
 API WELL NO. _____
 STATE 47 COUNTY 017 PERMIT 2735
 NOW: 017-2948

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 1210' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' HOLBROOK 15' NE
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 103
 OIL & GAS ROYALTY OWNER AUGUSTUS GABBERT EST. LEASE ACREAGE 103
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. AND J. ENTERPRISES INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201

JUN 17 1980

(08-78)

consolidated

Operator's Well No. J-274
API Well No. 47 - 017 2948
State County Permit

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

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

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 940 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5

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

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

PERMIT ISSUED ON 11/9, 19 82 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 4880-5030 feet
Depth of completed well, 5200 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 70 feet; salt, None feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 5/3, 19 82, and completed 5/9, 19 82

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	11 3/4	H-40	42	x		31	31	0 sks.	Winds
Fresh water	8 5/8	ERW	23	x		1049.40	1049.40	150 sks.	
Coal	8 5/8	ERW	23	x		1049.40	1049.40	150 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5128.35	5128.35	600 sks.	Depos set
Tubing									
Liners									Perforations:
									Top Bottom
									2226 2228
									2450 2452
									3103 3146
									3209 3211
									3856 3858
									4643 4734
									5016 6030

RECEIVED
MAY 20 1982

OPEN FLOW DATA OIL AND GAS DIVISION WV DEPARTMENT OF MINES
Producing formation Alexander Pay zone depth 5016-30 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Combined Final open flow, 696 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1030 psig (surface measurement) after 48 hours shut in
[If applicable due to multiple completion--]
Second producing formation Benson, Balltown & Gordon Pay zone depth 3103-3146 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
f=PweXGLS
t=60 + (0.0075 x 5128) + 459.7=558 X=53.35x558 =29778 = 0.0000336 Pf=1030 x 2.72 (0.0000336) (0.675)
(4120) (0.9) =1030 x 2.72 0.08 =1030 x 1.08
Pf=1116 psi

MAY 24 1982

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

Alexander: Perforations: 5016-30 (14 holes)
Fracturing: 100 sks. 80/100 sand: 500 sks. 20/40 sand: 600 Bbls. fluid.

Benson: Perforations: 4643-4734 (8 holes)
Fracturing: 100 sks. 80/100 sand: 400 sks. 20/40 sand: 1000 gals. Acid: 500 Bbls. fluid.

Balltown: perforations: 3856-58 (2 holes)
fracturing: 100 sks. 80/100 sand: 400 sks. 20/40 sand: 500 gals. Acid: 500 Bbls. fluid.

Gordon: Perforations: 3209-11 (3 holes) 3103-13 (6 holes) 3144-46 (5 holes) 2450-52 (6 holes)
Fracturing: 100 sks. 80/100 sand: 350 sks. 20/40 sand: 1000 gals. Acid: 500 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all gas and salt water, coal, oil and gas
Fill & red rock			0	18	
Sand & shale			18	165	
Red rock & shale			65	205	Hole damp @ 70'
Sand & shale			205	290	
Red rock & shale			290	305	Gas ck @ 1867 40/10-1" w/water
Sand & shale			305	350	47,629 cu.ft.
Sand & shale			350	480	
Red rock & shale			480	505	Gas ck @ 2421 123/10-1" w/water
Sand, shale & red rock			505	1680	115.46 MCF
Big Lime			1680	1745	Gas ck @ 3476 96/10-1" w/water
Injun			1745	1795	41,505 cu.ft.
Sand & shale			1795	2450	
Gordon			2450	3209	Gas ck @ 3600 100/10-1" w/water
Sand & shale			3209	3856	75,308 cu.ft.
Balltown			3856	3858	
Sand & shale			3858	4630	Gas ck @ 4501 82/10-1" w/water
Benson			4630	4737	63,194 cu.ft.
Sand & shale			4737	4880	
Alexander			4880	5030	Gas ck @ 4687 76/10-1" w/water
Sand & shalw			5030	5200	85,617 cu.ft.
				T.D.	
					Gas ck @ 5028 84/10-1" w/water
					69,093 cu.ft.

(Attach separate sheets to complete as necessary.)

J&J Enterprises, Inc.

well operator

By

Peter Battles
Peter Battles

Its

Geologist

NOTE: Regulation 2.32(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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-274

API Well No. 47-017-2735
State County Permi:

now: 017-2948

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

LOCATION: Elevation: 1210 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5

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

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

OIL & GAS ROYALTY OWNER Gus Gabbert Heirs/Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.
Acreage 103

COAL OPERATOR NONE
Address

SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D. C. 20070
Acreage 103

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Gus Gabbert Heirs/ Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 231 Beech Street
Clarksburg, W. Va. 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address
APR 30 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease ___ / other contract X / dated June 11, 1979, to the undersigned well operator from Paul Farr
If said deed, lease, or other contract has been recorded:]

Recorded on June 24, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 106 at page 123. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make 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 by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or 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
19 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3392

BLANKET BOND

J & J ENTERPRISES, INC.
Well Operator
By Peter Battles
PETER BATTLES
GEOLOGIST

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 COMPANY
Address P. O. BOX 48
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander
Estimated depth of completed well, 5325 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 75 feet; salt, None feet.
Approximate coal seam depths: none Is coal being mined in the area? Yes / No X

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	11 3/4	H-40	42	X		30	30	0 sks.	Minds
Fresh water	8 5/8	ERW	23	X		650	650	150 sks	
Coal	8 5/8	ERW	23	X		650	650	150 sks	Sizes
Intermediate									
Production Tubing	4 1/2	J-55	10.5	X		5280	5280	350 sks	Depths set
Liners									Perforations: Tor 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 § 22-4-1a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well ~~THIS PERMIT MUST BE POSTED AT THE WELL SITE~~ if such activity is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 in connection therewith.

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 1-12-81

Robert R. [Signature]

Deputy Director - Oil & Gas Division

The following information is required 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:

W A I V E R

The 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.

Date: , 19
By
Its

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-274
API Well No. 47-017-2948
State County Perm: old no. 2948 - REW

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)
Elevation: 940 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5

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

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

COAL & GAS ALTY OWNER Gus Gabbert Heirs/Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.

COAL OPERATOR NONE
Address: _____

FACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D. C. 20070
Acreage 103

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Gus Gabbert Heirs/ Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.

LAND SALE (IF MADE) TO:
Unknown
Address _____

Name _____
Address _____

COAL & GAS INSPECTOR TO BE NOTIFIED
Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

RECEIVED
NOV - 9 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract dated June 11, 1979, to the undersigned well operator from Paul Farr [said deed, lease, or other contract has been recorded:]

Recorded on June 24, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 106 at page 123. 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) _____

--planned as shown on the work order on the reverse side hereof.

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 by 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
WASHINGTON STREET EAST
CHESTON, WV 25811
PHONE: (304) 348-3097

MARKET BOND

J & J ENTERPRISES, INC.
Well Operator
By Peter Battles
PETER BATTLES
GEOLOGIST

[08-78]

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 Company

Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5325 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 75 feet; salt, None feet.

Approximate coal seam depths: None Is coal being mined in the area: Yes No

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	11 3/4	H-40	42	x		30	0	0 sks. Kinds
Fresh water	8 5/8	ERW	23	x		650	650	to surface } CTS to surface } Sizes
Coal	8 5/8	ERW	23	x		650	650	
Intermediate								
Production	4 1/2	J-55	10.5	x		5280	5280	500 sks. Depths set
Tubing								
Liners								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 § 22-4-8a 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 this is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by 7-12-82.

J. H. Haggerty
Deputy Director - Coal & Gas Division

The following waiver must be completed 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:

W A I V E R

The 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.

Date: , 19

By
Its

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-274
API Well No. 47-0172948-REV
State County Permi
old no. 2948

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 940 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5

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

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

OIL & GAS
PROPERTY OWNER Gus Gabbert Heirs/Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.
Acreage 103

COAL OPERATOR NONE
Address _____

SPACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D. C. 20070
Acreage 103

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Gus Gabbert Heirs/ Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.

RECORD SALE (IF MADE) TO:
Unknown
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____
RECEIVED
APR - 2 1981

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease ___ / other contract X / dated June 11, 1979, to the undersigned well operator from Paul Farr. [said deed, lease, or other contract has been recorded:]

Recorded on June 24, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 106 at page 123. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

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 § 22-2-3 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 by 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
WASHINGTON STREET EAST
CHARLESTON, WV 25311
PHONE: (304) 348-3097

J & J ENTERPRISES, INC.
Well Operator

BLANKET BOND

By [Signature]
PETER BATTLES
GEOLOGIST

[08-78]

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 COMPANY

Address P. O. BOX 48
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5325 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 75 feet; salt, None feet.

Approximate coal seam depths: none Is coal being mined in the area: Yes No X

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic Feet)	PACKERS	
	Size	Grade	Weight lb/ft	New	Used	For drilling			Left in well
Conductor	11 3/4	H-40	42	X		30	30	0 sks	Minds
Fresh water	8 5/8	ERW	23	X		650	650	to surface	
Coal	8 5/8	ERW	23	X		650	650	to surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5280	5280	500 sks	Depths set
Tubing								<i>or as reqd. by rule 45.01</i>	
Liners									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 § 22-4-5a 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 a part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by 12-6-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the well operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-10, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The 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 filed 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.

Date: , 19

By
Its

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-274

API Well No. 47-017-2948
State County Permi:
old no. 2735

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /
LOCATION: Elevation: 1210 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5

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

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

OIL & GAS ROYALTY OWNER Gus Gabbert Heirs/Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.
Acreage 103

COAL OPERATOR NONE
Address _____

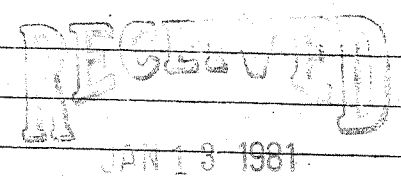
SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D. C. 20070
Acreage 103

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Gus Gabbert Heirs/ Ray & Robert
Address Blandville/ West Union
W. Va. / W. Va.

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 231 Beech Street
Clarksburg, W. Va. 26301



OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated June 11, 1979, to the undersigned well operator from Paul Farr

[If said deed, lease, or other contract has been recorded:]
Recorded on June 24, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 106 at page 123. 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) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any location they wish to make or are required to make by Code 5-22-4-3 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 by 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
CHARLESTON, WV 25311
TELEPHONE: (304) 548-3392

J & J ENTERPRISES, INC.
Well Operator
By [Signature]
PETER BATTLES
GEOLOGIST

TRUST BOND

[08-78]

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 COMPANY

Address P. O. BOX 48

Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5325 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 75 feet; salt, None feet.

Approximate coal seam depths: none Is coal being mined in the area: Yes No

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	11 3/4	H-40	42	X		30	30	0 sks	Rinds
Fresh water	8 5/8	ERW	23	X		650	650	150 sks	} CTS lines
Coal	8 5/8	ERW	23	X		650	650	150 sks	
Intermediate									
Production	4 1/2	J-55	10.5	X		5280	5280	⁵²⁵ 350 sks	Depths set
Tubing								<i>as reqd</i>	
Liners								<i>by rule 10.01</i>	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 § 22-4-2a from the owner of any water well or drilling within 200 feet of the proposed well.

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

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 9-14-81

J. E. Murray
Deputy Director - Oil & Gas Division

The following uniform must be completed 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:

W A I V E R

The 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 noted on 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.

Date: _____, 19____

By _____
Its *J. Murray*