

LATITUDE 39° 15' 00"

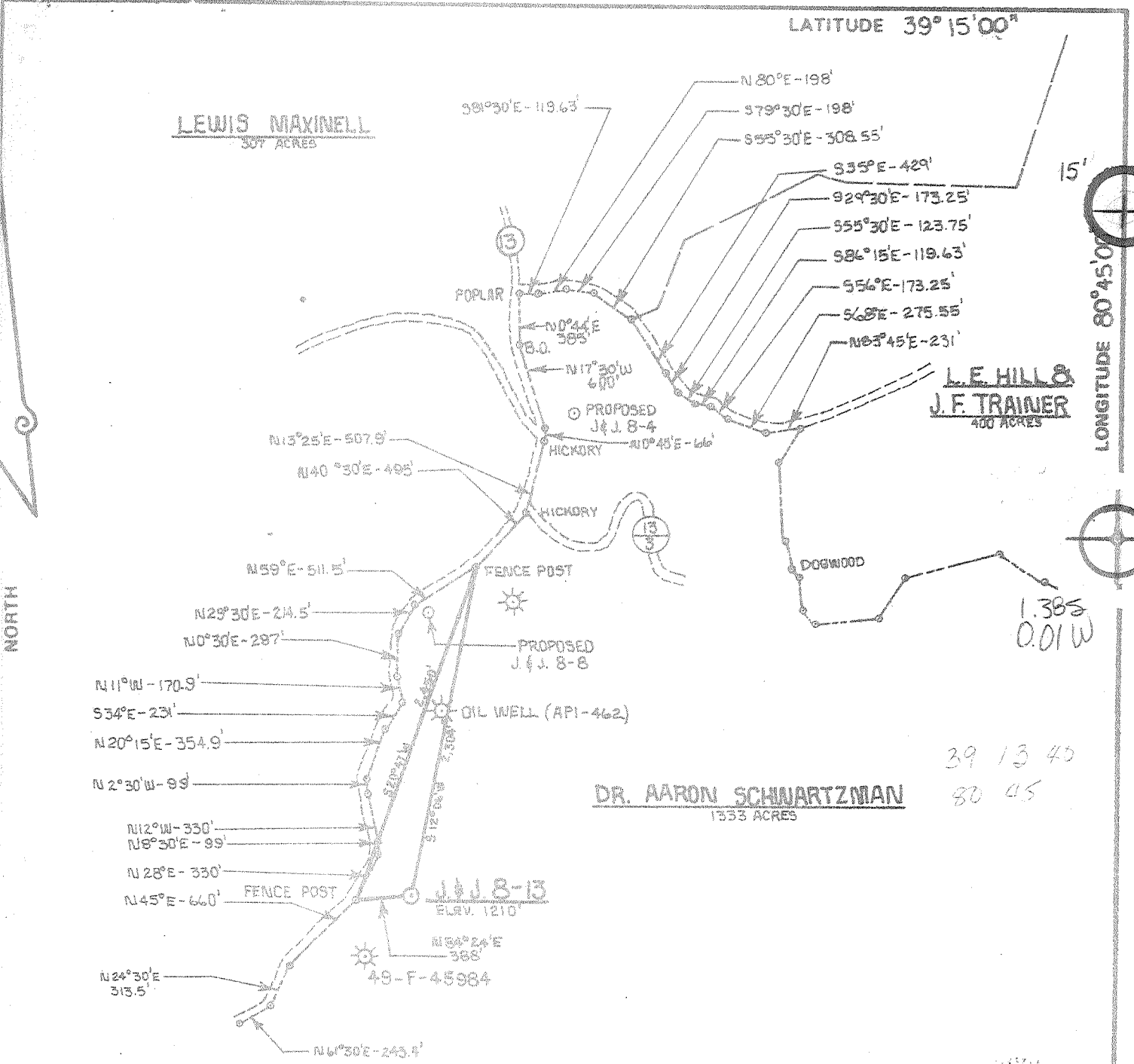
LEWIS MAXINELL
307 ACRES

L.E. HILL & J.F. TRAINER
400 ACRES

DR. AARON SCHWARTZMAN
1333 ACRES

NORTH

LONGITUDE 80° 45' 00"

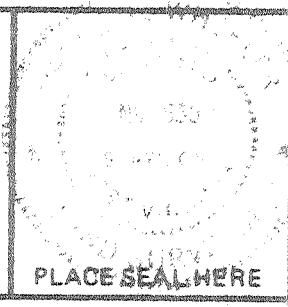


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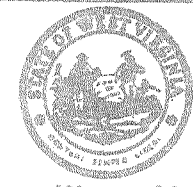
39 13 40
80 45

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1,000'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION B.M. 1800' NORTH OF INTER. OF 13 & 13 1/3. EL. -1269'

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. 530



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



DATE DECEMBER 14, 19 79
OPERATOR'S WELL NO. J & J. 8-15
API WELL NO. 47-017-2562
STATE WEST VIRGINIA COUNTY PUTNAM PERMIT 1333.8

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 75' HOLBROOK 15'
SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 1333.8
OIL & GAS ROYALTY OWNER PORTER MAXWELL HRS. LEASE ACREAGE 1333.8
LEASE NO. J & J. 8
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 5,350'
WELL OPERATOR J & J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, W. VA. 26201 BUCKHANNON, W. VA. 26201

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

WELL OPERATOR'S REPORT 10
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(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. DESIGNATED AGENT H.L. Barnett
Address Box 48 Address 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 12-20, 19 79, 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 Street
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5150-5210 feet
Depth of completed well 5364 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 35,108 feet; salt, 0 feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 3-15, 19 80, and completed 3-20, 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			Left in well
Conductor	11 3/4	AH-40	42	X		31	0	0	Rands Baker
Fresh water	8 5/8	ERW	23	X		612.75	612.75	175 sks.	
Coal	8 5/8	ERW	23	X		612.75	612.75	175 sks	Sizes 43 A
Intermediate									
Production	4 1/2	J-55	10.5	X		5289	5289	800 sks	Design set 3500
Tubing									
Liners									Perforations:
									3254 ⁸ 3356 ⁸
									4783 4882
									5162 5220

RECEIVED
MAY - 2 1980

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5162-5220 feet
Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, ___ Bbl/d
Combined Final open flow, 361 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 24 hours
Static rock pressure, 1550 psig (surface measurement) after 48 hours shut in
[If applicable due to multiple completion--] 3254-3356
Second producing formation Benson & Balltown Pay zone depth 4783-4882 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-4 1980

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

Alexander: Perforations: 5162-68 (8 holes), 5182-84 (3 holes), 5204 (3 holes)
5218-20 (3 holes)

Fracturing: 500 gal Acid: 20,000 lbs. Sand 80/100 wire mesh:
40,000 lbs. Sand 20/40 wire mesh: 640 Bbls Fluid

Benson: Perforations: 4783-4882 (14 holes)

Fracturing: 500 gal Acid: 10,000 lbs Sand 80/100 wire mesh:

30,000 lbs Sand 20/40 wire mesh: 570 Bbls Fluid.

Balltown: Perforations: 3254-58 (8 holes) 3285-86 (2 holes) 3354-56 (4 holes)

Fracturing: 500 gal Acid: 20,000 lbs Sand 80/100 wire mesh:

30,000 lbs. Sand 20/40 wire mesh: 510 Bbls Fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of oil, gas, and salt water, coal, etc.
Fill			0	15	
Sand & Shale			15	25	
Sand			25	30	
Red Rock			30	35	Water @ 35'
Sand & Shale			35	80	
Red Rock			80	85	
Sand & Shale			85	95	
Red Rock			95	130	
Sand			130	168	
Red Rock			168	220	1/2" stream water @ 108"
Red Rock & Sand			220	315	
Red Rock			315	355	1 1/2" Stream water @ 325'
Sand & Shale			355	470	
Red Rock & Shale			470	510	
Sand			510	535	
Red Rock & Shale			535	550	
Sand & Shale			550	640	
Red Rock & Shale			640	809	
Sandy Shale			809	1195	
Shale			1195	1770	
Sand			1720	1780	
Little Lime			-1780	1845	
Big Lime			-1845	1920	
Big Injun			1920	1995	
Shale			1995	2148	
Weir			2148	2253	
Shale			2253	2366	Gas @ 2300 20/10 thru 1" w/water
Berea			-2366	2376	
Sand & Shale			2376	2570	
Gordon			2570	2600	
Sand & Shale			2600	3246	
Speechley			3246	3330	
Sand & Shale			3330	3860	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

Its

Peter Battles

Geologist

NOTE: Regulation 2.0016 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."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of gas, fresh and salt water, sand, etc.
Balltown			3860	4018	
Sand & Shale			4018	4876	
Benson			4876	4882	
Sand & Shale			4882	5132	Gas @ 4930 70/10 thru 1 1/4" w/ water
<u>Alexander</u>			5132	5225	
<u>Shale</u>			5225	5364	T.D. 5364

JUN 4 1980

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

Date: December 18, 1979

FORM IV-2
(Obverse)

Operator's
Well No. JJ-8-#13
API Well No. 47-017-2562
State County Permit

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

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 1/2

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 Porter Maxwell Heirs
Address Box 2190
Clarksburg, W. Va. 26301

COAL OPERATOR Aaron & Veatrice Schwartzman
Address 2007 Nichols Ave., S. E.
Washington, D. C. 20020

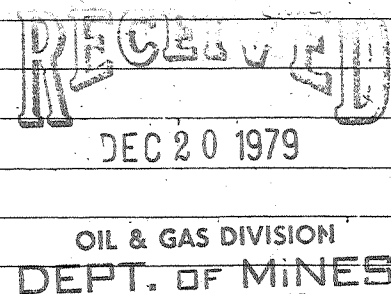
ACREAGE 1333.8
SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Dr. Martin Luther King Ave.
Washington, D. C. 20020
ACREAGE 1333.8

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, W. Va. 26301



The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated October 24, 1979, to the undersigned well operator from Delmur Oil Company

[If said deed, lease, or other contract has been recorded:]
Recorded on October 30, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease Book 112 at page 337. 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 well operator, coal owner(s), and coal lessee are hereby notified that any other steps which 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 GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1614 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

J & J ENTERPRISES, INC.
Well Operator
By Peter Battles
PETER BATTLES
Its _____ 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, 5430 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 380 feet; salt, 1380 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	0	0 sks.	Kinds None
Fresh water	8 5/8	ERW	23	X		1480	1480	320 sks.	
Coal	8 5/8	ERW	23	X		1480	1480	320 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5425	5425	290 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 the permit is for stimulating. This permit 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.

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 8-26-80.

Robert T. [Signature]
Deputy Director - Oil & Gas Division

This permit is to be 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:

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