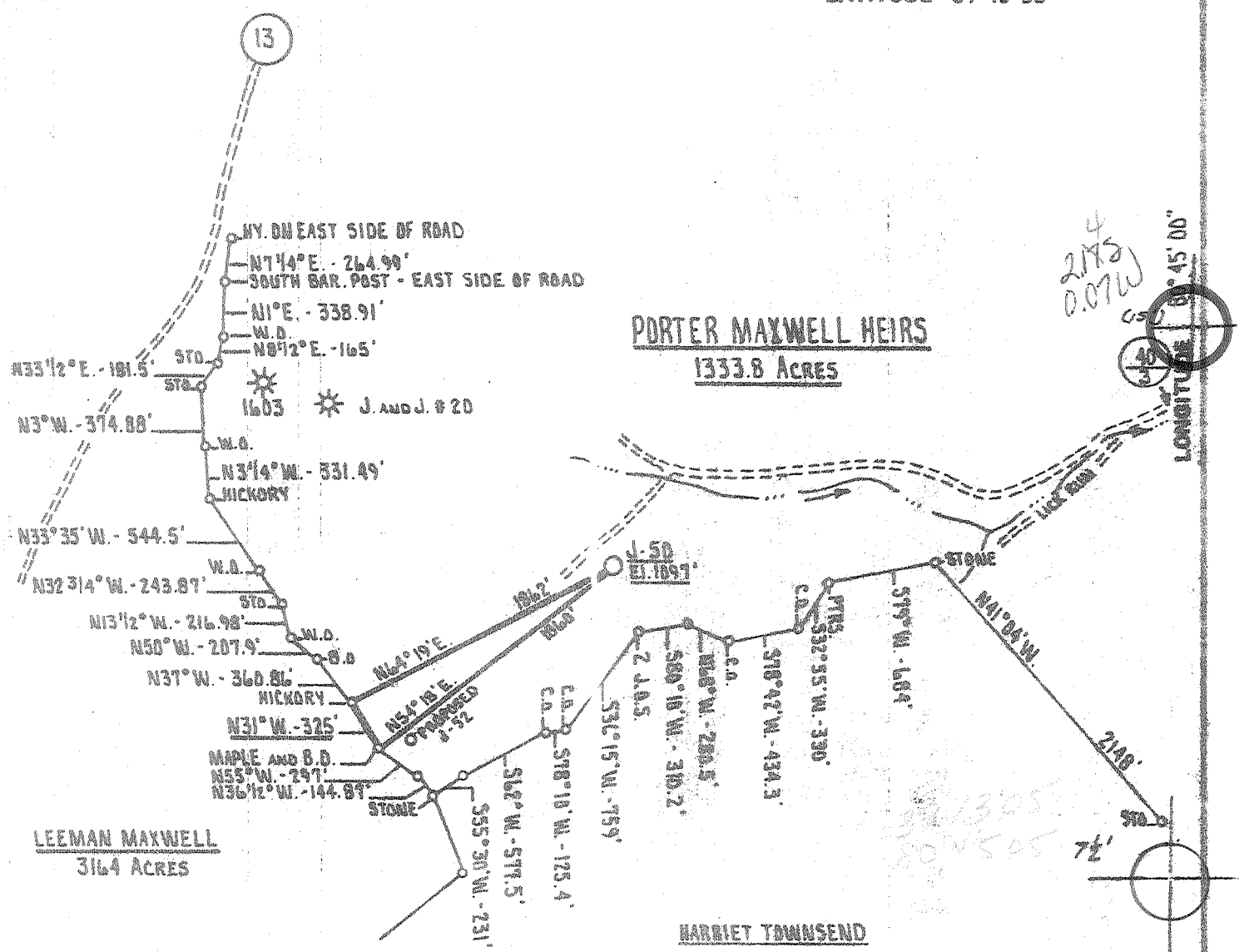


LATITUDE 39° 15' 00"

NORTH

LONGITUDE 80° 45' 00"

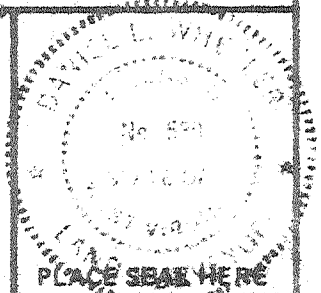


Handwritten notes: 2175, 0.07W, 450, 40

Handwritten notes: 1325, 80 W 505, 7 1/2'

FILE NO. DE Z-14
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. OF ROADS 4700'
SOUTH OF INT. OF 13 AND 13/3
ELEVATION 1245'

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 JUNE 3RD, 19 80
 OPERATOR'S WELL NO. J-50
 API WELL NO. _____
47 - 017 - 2789
 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 1097' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' HOLBROOK 15' N E
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 1333.8'
 OIL & GAS ROYALTY OWNER PORTER MAXWELL HEIRS LEASE ACREAGE 1333.8'
 LEASE NO. J. AND J. #
 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 _____
 WELL OPERATOR J. AND J. ENTERPRISES DESIGNATED _____
 ADDRESS P.O. BOX 48
SOUTHMANN, WEST VIRGINIA

Handwritten note: 6-6 P-5

[08-78]

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

Operator's Well No. J-50
API Well No. 47 - 017 2789
State County Perm.

WELL TYPE: Oil ___ / Gas / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production / Underground storage ___ / Deep ___ / Shallow)
LOCATION: Elevation: 1097 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT Roger Rolston
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 7/3, 19 81

OIL & GAS INSPECTOR FOR THIS WORK: DEPT. OF MINES
Name Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19 _____)

GEOLOGICAL TARGET FORMATION: Alexander Depth 5177-5236 feet
Depth of completed well, 5399 feet Rotary / Cable Tools ___
Water strata depth: Fresh, 15,85, 630 feet; salt, 0 feet.
Coal seam depths: 15-23 Is coal being mined in the area? No
Work was commenced 3/10, 19 81, and completed 3/16, 19 81

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		32.50	32.50	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1490.45	1490.45	340 sks.	
Coal	8 5/8	ERW	23	x		1490.45	1490.45	340 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5305.45	5305.45	760 sks.	Depth set
Tubing									
Miners									Perforations:
									Top Bottom
									5177 5236
									4892 4896
									3207 3373

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5177-5236 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Combined Final open flow, 2,000 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1300 psig (surface measurement) after 96 hours shut in.

[If applicable due to multiple completion--]

Second producing formation Benson & Bradford, Warren & Speechley Pay zone depth 4892-4896 Ben. 3207-3373 WRN
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.

APR 28 1981

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

Alexander: 5177-5236 (13 holes)

Fracturing: 200 sks. 80/100 sand: 400 sks. 20/40 sand: 600 Bbls. fluid.

Benson & Bradford: 4892-96 (18 holes)

Fracturing: 150 sks. 80/100 sand: 400 sks. 20/40 sand: 1000 gal. Acid.
600 Bbls. fluid.

Warren & Speechley: 3207-3373 (17 holes)

Fracturing: 150 sks. 80/100 sand: 350 sks. 20/40 sand: 500 gal. Acid.
550 Bbls. fluid.

Well 102

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all Green and salt water, coal, etc. and gas
Fill & shale			0	15	
Shale & coal			15	23	½" stream @ 15'
Shale & red rock			23	55	½-1" stream @ 85'
Sand & red rock			55	80	
Sand, shale & red rock			80	200	½" stream @ 630'
Red rock & shale			200	230	Gas ck @ 1957 15/10-½" w/water
Sand & shale			230	705	7,530 cu.ft.
Red rock, sand & shale			705	795	Gas ck @ 2050 80/10-½" w/water
Red rock, shale & sand			795	925	16,839 cu.ft.
Red rock & shale			925	955	
Sand & shale			955	1370	Gas ck @ 4714 6/10-½" w/water
Salt sand			1370	1455	4,611 cu.ft.
Sand & shale			1455	1783	
Little Lime			1783	1805	Gas ck @ 4840 96/10-3/4" w/water
Sand, shale & lime			1805	1865	18,448 cu.ft.
Big Lime			1865	1968	
Big Injun			1968	2030	
Sand & shale			2030	3207	
Warren & Speechley			3207	3373	
Sand & shale			3373	4803	
Benson & Bradford			4803	4896	
Sand & shale			4896	5177	
Alexander			5177	5236	
Sand & shale			5236	5399 TD	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

By Peter Battles
Geologist

NOTE: Regulation 2.20(4) 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-50
API Well No. 47-017-2789
State County Permit

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

LOCATION: Elevation: 1097 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5'

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

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

OIL & GAS ROYALTY OWNER Porter Maxwell Heirs
Address Box 2190
Clarksburg, WV 26301

COAL OPERATOR None
Address _____

SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Martin Luther King Ave.
Washington, D.C. 20070
Acreage 1333.8

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Aaron & Veatrice Schwartzman
Address 2007 Nichols Ave. S.E.
Washington, D.C. 20020
Name _____
Address _____

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 321 Beech St.
Clarksburg, WV 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 10-24, 1979, to the undersigned well operator from Delmur Oil Company

If said deed, lease, or other contract has been recorded:
Recorded on 10-30, 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 named well operator, coal owner(s), and coal lessee are hereby notified that any obligations 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
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1601 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 345-3092

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 Box 48 Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5350 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 850 feet; salt, 1350 feet.

Approximate coal seam depths: Is coal being mined in the area? Yes No

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 § 22-4-8a 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 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 JUL 3 1980 operations have not commenced by 3-18-81

Fred B... OIL & GAS DIVISION DEPT. OF MINES Deputy Director - Oil & Gas Division

The following information must be furnished 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.

by Its