

LATITUDE 39° 15' 00"

L.E. MILLER & F. TRAINER 200 AC.

DR. AARON SCHWARTZMAN SURFACE 1333.8 AC.

PORTER MAXWELL HEIRS MINERALS

39 13 200
80 44 30

LONGITUDE 80° 42' 30"

NORTH

FILE NO. DE 2-3
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROADWAY INTERSECTION 3500' NW OF LOCATION. ELEV. - 1251'

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 MAY 9, 1980
 OPERATOR'S WELL NO. 3-46
 API WELL NO. _____
47 - 017 - 2768
 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 1107' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY Dorridge
 QUADRANGLE NEW MILTON 7.5' VADIS 13' NW
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 1333.8
 OIL & GAS ROYALTY OWNER PORTER MAXWELL HEIRS LEASE ACREAGE 1333.8
 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 5550'
 WELL OPERATOR J.I. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
BUCKHANNON, W. VA. 26101 BUCKHANNON, W. VA. 26101

6-6 Porto Rico (134)

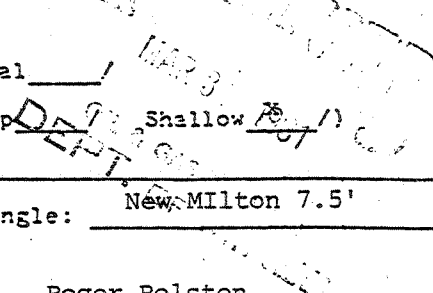
JUL 28 1980

FORM IV-35
 (Obverse)

Operator's Well No. J-46
 API Well No. 47 - 017 - 2768
 State County Permit

[08-78]

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: 1107 Watershed: Lick Run
 District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT Roger Rolston
 Address Box 48 Address 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 6/16, 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 Stephen Casey
 Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 5050-5155 feet
 Depth of completed well, 5369 feet. Rotary / Cable Tools
 Water strata depth: Fresh, 305, 1025 feet; salt, 0 feet.
 Coal seam depths: None Is coal being mined in the area? No
 Work was commenced 2/21, 1981, and completed 2/26, 1981

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	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1578.35	1578.35	340 sks.	
Coal	8 5/8	ERW	23	x		1578.35	1578.35	340 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5244.15	5244.15	800 sks.	Deaths set
Tubing									
Liners									Perforations:
									Top Bottom
									5103 5158
									3195 3322

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5103-5158 feet
 Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
 Combined Final open flow, 492 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 Speechley Pay zone depth 3195-3322 feet
 Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
 Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

APR 13 1981

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

Alexander: Perforations: 5103-5158 (12 holes)

Fracturing: 500 gal. Acid; 200 sks. 80/100 sand; 400 sks. 20/40 sand;
600 Bbls. Fluid.

Speechley: Perforations: 3195-3322 (15 holes)

Fracturing: 500 gal. Acid; 200 sks. 80/100 sand; 400 sks. 20/40 sand;
600 Bbls fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Ø Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Red rock			0	15	
Shale			15	30	
Sand			30	110	Damp @ 305'
Sand & shale			110	230	Damp @ 1285'
Sand			230	257	Oil @ 1425'
Sand, shale & red rock			257	456	Gas ck @ 1959 10/10-1" w/water 23,814 cu.ft.
Sand & shale			456	490	
Sand			490	505	Gas ck @ 2520 50/10-1/2" w/water 13,312 cu.ft.
Sand & shale			505	610	
Red rock & shale			610	880	Gas ck @ 3263 3/10-1/2" w/water 3,280 cu.ft.
Sand & shale			880	1530	
Sand & shale			1580	1760	
Big Lime			1760	1850	Gas ck @ 4689 3/10-1/2" w/water 3,280 cu.ft.
Big Injun			1850	1920	
Sand & shale			1920	3190	
Speechley			3190	3350	Gas ck @ 4874 10/10-1/2" w.water 5,953 cuf.t.
Sand & shale			3350	4800	
Benson			4800	4810	
Sand & shale			4810	5050	Gas ck @ 5215 20/10-1/2" w/water 8,419 cu.ft.
Alexander			5050	5155	
Sand & shale			5155	5369 TD	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles
Peter Battles

Its

Geologist

NOTE: Regulation 2.02(i) 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-46
API Well No. 47 - 017-2768
State County Perm

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

LOCATION: Elevation: 1107 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 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 _____

ACREAGE 1333.8
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

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

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
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 X / 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 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 § 12-2-3 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 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
619 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3097

RECEIVED

JUN 16 1980

BLANKET BOND

J & J Enterprises, Inc.
Well Operator

OIL & GAS DIVISION
DEPT. OF MINES

By Daniel Stark
Its Daniel Stark
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
Box 48
Address Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander
Estimated depth of completed well, 5325 feet Rotary / Cable tools
Approximate water strata depths: Fresh, 880 feet; salt, 1425 feet.
Approximate coal seam depths: 265 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	1 13/4	H-40	42	x		30	0	0 sks	Kinds
Fresh water	8 5/8	ERW	23	x		1475	1475	370 sks	
Coal	8 5/8	ERW	23	x		1475	1475	370 sks	Sizes
Intermediate									
Production Tubing	4 1/2	J-55	10.5	x		5300	5300	300 sks	Depths set
Liners									Perforations:
									Top

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 drilling 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 PERMIT MUST BE POSTED AT THE WELL SITE 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 3-1-81

[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 § 22-4-12, 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 plan exists which covers the area of the well location, the well location has been added to the mine plan. 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