

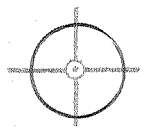
LATITUDE 39° 15' 00"

39 14 05
80 40 45



1023
15 W
443

LEWIS MAXWELL
307 ACRES

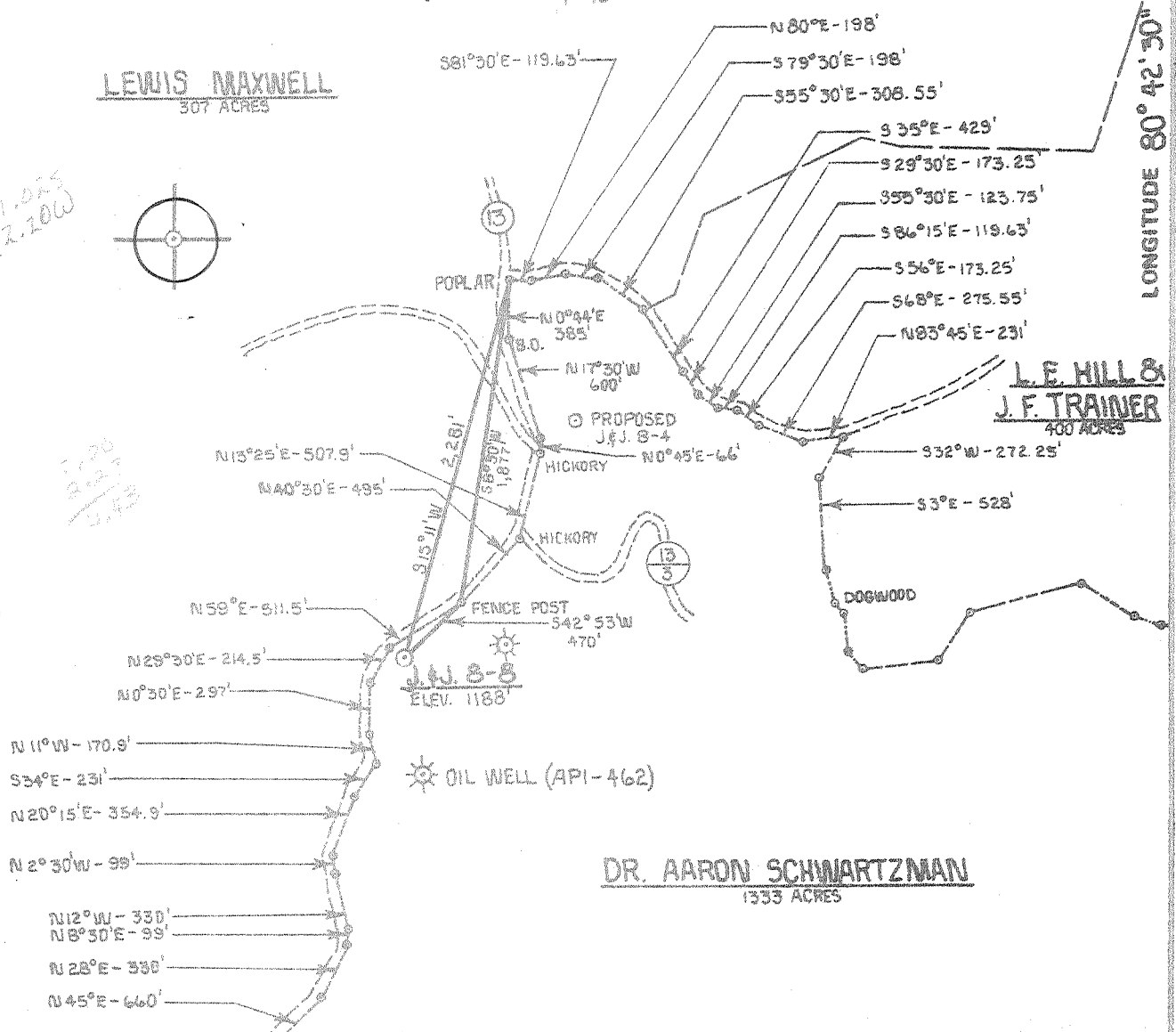


1.075
2.100

1.120
2.227
3.423

NORTH

LONGITUDE 80° 42' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1,000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. 1,800' NORTH OF INTER. OF 13 & 13 1/2. ELEV. 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) David L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

(+) 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 8-8
 API WELL NO. 47-017-2561
 STATE 47 COUNTY 017 PERMIT 2561

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1188' NW WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' VADIS 15' NW
 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 CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE 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

FORM IV-35 (Obverse)

[08-78]

Date: 4-24, 19 80

Operator's Well No. J-39

API Well No. 47-017-2561 State County Permit

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 X / Liquid Injection / Waste Disposal (If "Gas", Production X / Underground storage / Deep / Shallow X) LOCATION: Elevation: 1180 Watershed: Lick Run District: County: Quadrangle:

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

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: Name Paul Garrett Address 321 Beech St. Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Dept: 5100-5190 feet Depth of completed well, 5372 feet Rotary X / Cable Tools Water strata depth: Fresh, 910 feet; salt, 0 feet. Coal seam depths: 0 Is coal being mined in the area: No Work was commenced 3-21, 19 80, and completed 3-28, 19 80

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-IN OR SACKS (Cubic feet), PACKERS. Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, Liners.

RECEIVED APR 28 1980

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5100-5190 feet Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d Final open flow, 742 Mcf/d Final open flow, Bbl/d Time of open flow between initial and final tests, 4 hours Static rock pressure, 1470 psig (surface measurement) after 36 hours shut in [If applicable due to multiple completion--] Second producing formation Pay zone depth 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

[08-78]

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

Alexander-Perforating: 5124-5146 (14 holes)
Fracturing: 520 Bbls fluid, 400 lbs Acid. 200 80/100 sand,
400 sks. 20/40 sand.

Benson & Riley- Perforating: 4743-4831 (14 holes)
Fracturing: 500 gal. Acid 200 sks. 80/100 sand,
400 sks 20/40 sand, 520 Bbls Fluid

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of gas, steam and salt water, coal, oil and gas
Fill			0	15	
Red Rock			15	20	
Sand			20	30	
Red Rock			30	39	
Sand			39	50	
Red Rock & Sand			50	88	
Sand			88	115	
Red Rock & Shale			115	150	Damp @ 155'
Sand			150	165	
Red Rock & Shale			165	205	
Sand & Shale			205	240	
Red Rock & Shale			240	295	
White Sand			295	345	
Sand & Shale			345	390	
Red Rock			390	395	
Sand & Shale			395	405	
Red Rock			405	410	
Sand & Shale			410	415	
Red Rock			415	420	
Sand & Shale			420	430	
Red Rock			430	445	
Sand & Shale			445	470	
Sand			470	485	
Sand & Shale			485	631	
Red Rock & Shale			631	710	
Sand & Shale			710	920	1 1/2" stream @ 910'
Red Rock & Shale			920	960	
Sand & Shale			960	1070	
Sand			1070	1220	
Red Rock & Shale			1220	1310	
Sand			1310	1365	
Red Rock & Shale			1365	1555	
Sand			1555	1615	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

Is

Peter Battles
Geologist

NOTE: Regulation 2.0214 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."

Little Lime	1615	1775
Big Lime	- 1775	1880
Big Injun	1880	1960
Shale	1960	2110
Weir	2110	2220
Shale	2220	2320
Berea	- 2320	2328
Shale	2328	2550
Gordon	2550	2560
Shale	2560	3190
Speechley	3190	3250
Balltown	3250	3350
Shale & Sand	3350	3500
Shale	3500	4057
Shale & Sand	4057	4130
Sand	4130	4172
Shale & Sand	4172	4280
Shale	4280	4350
Shale & Sand	4350	4540
Shale	4540	4590
Sand	4590	4770
Shale	4770	4837
Benson	- 4837	4842
Shale	4842	4970
Leopold	4970	4995
Shale	4995	5090
<u>Alexander</u>	5090	5180
Shale	5180	5267

10

T.D. 5267

MAY 29 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. JJ-8-#8

API Well No. 47-017 - 2561
State County Permit

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

LOCATION: Elevation: 1188 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 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 Nicholas Ave., S. E.
Washington, D. C. 20020

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 _____

RECEIVED
DEC 20 1979

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

OIL & GAS DIVISION
DEPT. OF MINES

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
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 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 X / Drill deeper ___ / Redrill ___ / Fracture or stimulate X /
Plug off old completion ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--please refer to the work order on the reverse side hereof.

The above named well operator, coal owner(s), and coal lessee are hereby notified that any other permits 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
1611 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

J & J ENTERPRISES, INC.
Well Operator

By Peter Battles
PETER BATTLES
Its _____
GEOLOGIST

BLANKET 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, 5400 feet Rotary X/ Cable tools /

Approximate water strata depths: Fresh, 350 feet; salt, 1350 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		Kinds	None
Conductor	11 3/4	H-40	42	X		30	0	0 sks.	Kinds	None
Fresh water	8 5/8	ERW	23	X		1450	1450	320 sks.		
Coal	8 5/8	ERW	23	X		1450	1450	320 sks.	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		5380	5380	280 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 is filed as such on the permit application 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.

[Signature]
Deputy Director - Oil & Gas Division

Application for a permit shall be filed by the coal operator and by any coal owner or coal lessee who has not filed a Reclamation under Code § 22-4-20, if the permit is to be used within fifteen (15) days of receipt thereof:

E 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