

LATITUDE 39-12-30

4,420'

SCHWARTZMAN

SCHWARTZMAN

WELL NO. 3

LEASE

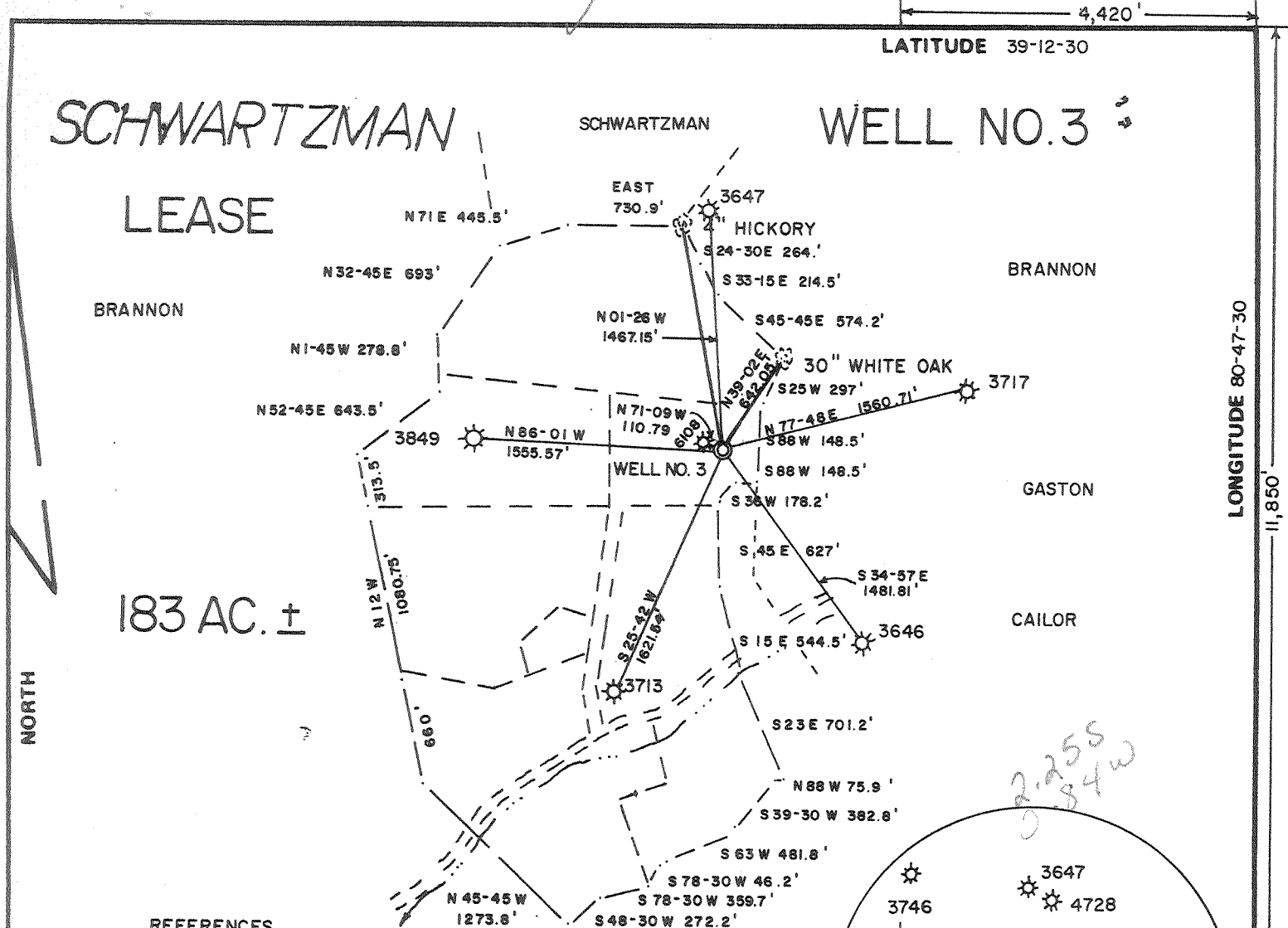
BRANNON

BRANNON

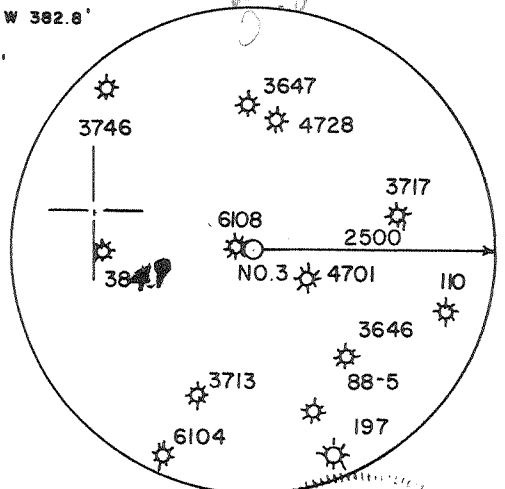
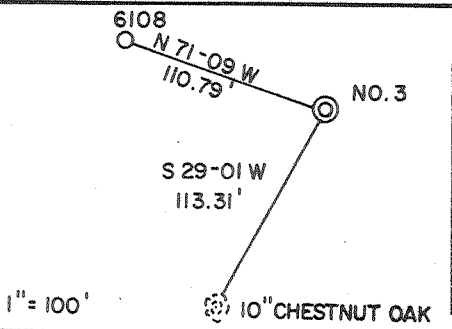
LONGITUDE 80-47-30

NORTH

183 AC. ±



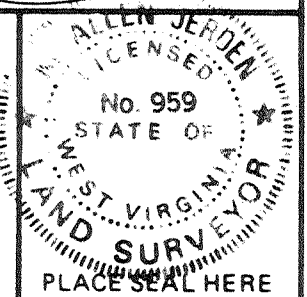
REFERENCES



5.13  
307

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1196'

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) M. Allen Jerden  
 R.P.E. \_\_\_\_\_ L.L.S. 959



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE OCTOBER 8, 19 93  
 OPERATOR'S WELL NO. WELL NO. 3  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 4061  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

*According to well log drilled 12-2-93*

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1150' WATER SHED UPPER RUN  
 DISTRICT SOUTHWEST COUNTY DODDRIDGE  
 QUADRANGLE OXFORD 7.5'

SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 132.08  
 OIL & GAS ROYALTY OWNER SAMUEL J. HILEMAN, et al. LEASE ACREAGE 183

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 5300'  
 WELL OPERATOR TERM ENERGY CORP. DESIGNATED AGENT JEAN FREELAND  
 ADDRESS 713 E MAIN ST ADDRESS 713 E MAIN ST  
HARRISVILLE, WV 26362 HARRISVILLE, WV 26362

1107 E 1993

017-4061  
 Issued 11/01/93  
 Page \_\_\_ of \_\_\_  
 Expires 11/01/95

**STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
 WELL WORK PERMIT APPLICATION**

18101

Well Operator: 886 Term Energy Corporation 49105 (7) 526

Operator's Well Number: Schwartzman #3 3) Elevation: 1150'

Well type: (a) Oil \_\_\_ / or Gas XX /

(b) If Gas: Production X / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow XX /

5) Proposed Target Formation(s): Alexander 439

6) Proposed Total Depth: 5300 feet

7) Approximate fresh water strata depths: 150

8) Approximate salt water depths: None

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No XX /

11) Proposed Well Work: To drill and stimulate new well

12)

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	J-55	42#	17'	1190' 1150'	o.k. Ndy
Fresh Water	8 5/8"	J-55	20#	1190'	1190'	CTS
Coal						385R18-11.3
Intermediate						385R18-11.2.2
Production	4 1/2"	J-55	11.6#	84'	84'	250
Tubing			10.5#	5177'	5177'	385R18-11.1
Liners						

**PACKERS** : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

**RECEIVED**  
 WV Division of  
 Environmental Protection  
 OCT 15 95

For Division of Oil and Gas Use Only

176/28

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond LC  Agent

(Type)

**RECEIVED**  
WV Division of  
Environmental Protection

OCT 15 93

Permitting  
Office of Oil & Gas

- 1) Date: October 13, 1993
- 2) Operator's well number  
Schwartzman #3
- 3) API Well No: 47 - 017 - 4061  
State - County - Permit

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

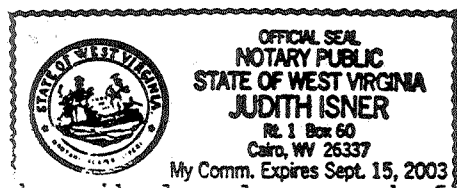
- 4) Surface Owner(s) to be served:
  - (a) Name Beatrice Schwartzman  
Address Thomas Porter, Agent  
Rt. 18N Box 39 West Union, WV 26456
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Rt. 2 Box 135  
Salem, WV 26426  
Telephone (304)- \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
 \_\_\_\_\_ Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)  
 I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:  
 \_\_\_\_\_ Personal Service (Affidavit attached)  
XX \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)  
 \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.  
 I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.  
 I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator ~~XXXXXXXXXXXXX~~ Term Energy Corporation  
 By: Jean Freeland  
 Its: Designated Agent  
 Address 713 E. Main St.  
Harrisville, WV 26362  
 Telephone (304) 643-4500



Subscribed and sworn before me this 14th day of October, 1993  
Judith Isner Notary Public  
 My commission expires September 15, 2003