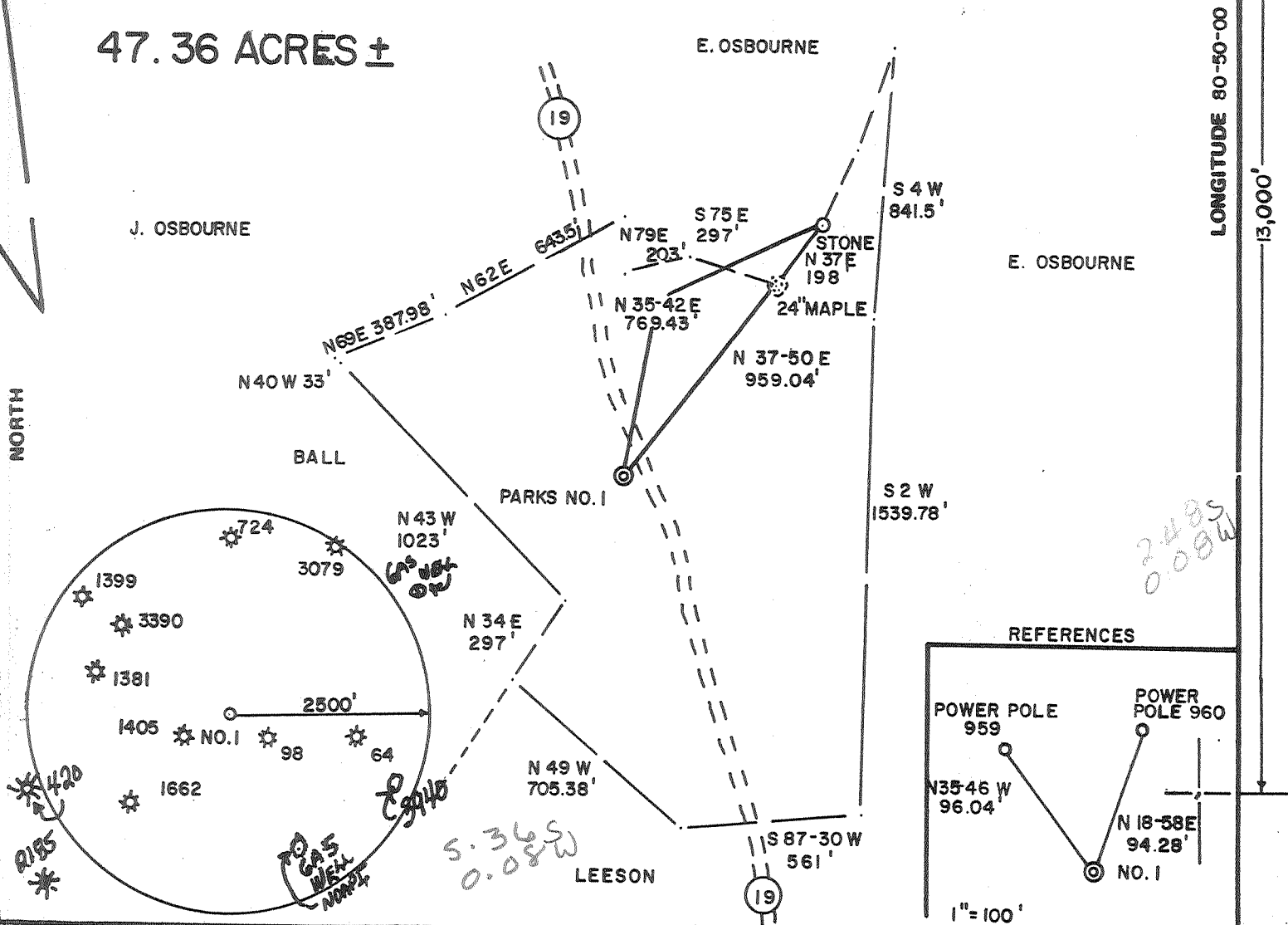


*Jamie*  
*3/13/92*

# PARKS LEASE

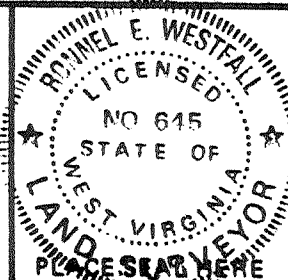
# WELL NO. 1

## 47.36 ACRES ±



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 884'

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) *Jamie C. Westfall*  
 R.P.E. \_\_\_\_\_ L.L.S. 645



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



DATE FEBRUARY 10, 19 92  
 OPERATOR'S WELL NO. PARKS NO. 1  
 API WELL NO. \_\_\_\_\_  
 STATE COUNTY PERMIT  
 47 - 017 - 3949

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 910' WATER SHED LOWER RUN  
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE  
 QUADRANGLE OXFORD 7.5 *Holtbrook NC*  
 SURFACE OWNER ANCIL PARKS ACREAGE 47.36  
 OIL & GAS ROYALTY OWNER ANCIL PARKS et al. LEASE ACRES 47.36  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE C? 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 FRELAND  
 ADDRESS 713 E MAIN ST. HARRISVILLE, WV 26362  
 ADDRESS 713 E MAIN ST. HARRISVILLE, WV 26362

RECEIVED

WV Division of Environmental Protection

State of West Virginia Division of Environmental Protection Section of Oil and Gas

SEP 18 92

Well Operator's Report of Well Work

Office of Oil & Gas Farm name: PARKS, ANCIL E.

Operator Well No.: PARKS #1

LOCATION: Elevation: 910.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 13000 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 500 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: TERM ENERGY CORP.
713 EAST MAIN STREET
HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD
Permit Issued: 03/16/92
Well work Commenced: 08/31/92
Well work Completed: 09/14/92
Verbal Plugging
Permission granted on:
Rotary xx Cable Rig
Total Depth (feet) 5031
Fresh water depths (ft) 20' & 60'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. no cmt. Rows include sizes 11 3/4", 8 5/8", and 4 1/2" with corresponding drilling and well lengths.

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 4896' - 4912.
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/c
Final open flow MCF/d Final open flow Bbl/c
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

Comingled Production and Bradford
Second producing formation Benson, Benson Stray Pay zone depth (ft) 4206' - 4610.5'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow 0 Bbl/c
Final open flow 450 MCF/d Final open flow 0 Bbl/c
Time of open flow between initial and final tests 30 Hours
Static rock Pressure 1400 psig (surface pressure) after 30 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATEE INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: TERM ENERGY CORP. (Signature: Term Energy Corp)

Reviewed TMG
Recorded

By: Jean Freeland (Signature: Jean Freeland) Jean Freeland, Agent
Date: August 16, 1992

FEB 11 1993

PARKS #1

09/14/92

PERFORATED:	ALEXANDER	4896 - 4912.5;	17	HOLES	.39
	BENSON	4608 - 4610.5;	6	HOLES	.39
	BENSON STRAY	4536 - 4541;	11	HOLES	.39
	BRADFORD	4206 - 4215.5;	14	HOLES	.39

THREE STAGE FRAC

1ST STAGE 75 QUALITY NITROGEN FOAM.  
 2ND & 3RD WATER FRAC WITH NITROGEN ASSIST.

- ALEXANDER: MAX TR PRESS 3700; AVG RATE 36; AVG PRESS 3500  
 50,000# 20/40; 5,000# 80/100; MAX CONC 3.5; TOTAL  
 ACID 500 GAL; ISIP 1400; 5 MIN SIP 1250; TOTAL  
 NITROGEN 584,886 SCF; TOTAL FLUIDS 261 BBLs.
- BENSON & BENSON STRAY: MAX TR PRESS 3500; AVG RATE 27; AVG PRESS 2950;  
 40,000# 20/40; 5,000# 80/100; MAX CONC 3.5; TOTAL  
 ACID 500 GAL; ISIP 1350; 5 MIN SIP 1100; TOTAL  
 NITROGEN 91,300 SCF; TOTAL FLUIDS 611 BBLs.
- BRADFORD: MAX TR PRESS 3300; AVG RATE 28; AVG PRESS 3025;  
 30,000# 20/40; 5,000# 80/100; MAX CONC 3; TOTAL  
 ACID 500 GAL; ISIP 1300; 5 MIN SIP 1100; TOTAL  
 NITROGEN 81,850 SCF; TOTAL FLUIDS 545 BBLs.

<u>WELL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>WATER</u>
SAND, SHALE, & RR	0	1626	20' - 4" STREAM
LITTLE LIME	1626	1660	60' - 3" STREAM
SAND & SHALE	1660	1670	
BIG LIME	1670	1730	
BIG INJUN	1730	1759	
SAND & SHALE	1759	5031	

<u>GEOPHYSICAL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>
BIG LIME	1656	1729
BIG INJUN	1729	1800
WEIR	1956	2084
GORDON	2379	2384
WARREN	3032	3079
SPEECHLY	3079	3758
BALLTOWN	3758	3874
BRADFORD	4178	4241
BENSON STRAY	4522	4564
BENSON	4603	4612
LEOPOLD	4728	4808
ALEXANDER	4848	4944

RECEIVED

WV Division of  
Environmental Protection

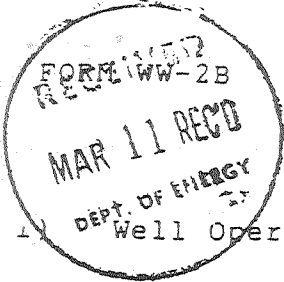
SEP 18 92

Permitting  
Office of Oil & Gas

DFT = 439

DF = 424

3394



017-3949

Page of

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

Issued 3/16/92

Expires 3/16/94

- 1) Well Operator: Term Energy Corp. 49105 7 525
- 2) Operator's Well Number: Parks #1 3) Elevation: 910'
- 4) Well type: (a) Oil    / or Gas XX /  
(b) If Gas: Production    / Underground Storage    /  
Deep    / Shallow XX /
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5300 feet
- 7) Approximate fresh water strata depths: 100' 180'
- 8) Approximate salt water depths: 1200'
- 9) Approximate coal seam depths: 0'
- 10) Does land contain coal seams tributary to active mine? Yes    / No XX /
- 11) Proposed Well Work: Drill & Stimulate new well
- 12)

CASING AND TUBING PROGRAM

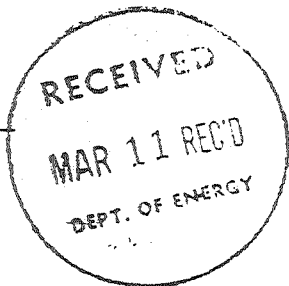
TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill up (cu. ft.)
Conductor	11 3/4"	J-55	42#	17'	0	0 1/2 PAD
Fresh Water	8 5/8"	J-55	20#	1010'	1010'	CTS
Coal						38C5918-11.3
Intermediate						38C5918-11.2.2
Production	4 1/2"	J-55	11.6 10.5	84' 4966'	84' 4966'	300
Tubing						38C5918-11.1
Liners						

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

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket letter Agent

(Type)



- 1) Date: March 4, 1992
- 2) Operator's well number Parks #1
- 3) API Well No: 47 - 017 - 3949  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- |   |   |
|---|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Ancil E. Parks</u><br/>Address <u>Rt. 1 Box 182</u><br/><u>Marlington, WV 24954</u></p> <p>(b) Name _____<br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____<br/>Address _____</p> <p>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2 Box 135</u><br/><u>Salem, WV 26426</u><br/>Telephone (304)- _____</p>  | <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p>  |

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 Term Energy Corp.  
By: Jean Freeland  
Its: Designated Agent  
Address 713 E. Main Street  
Harrisville, WV 26362  
Telephone 304 643-4500

Subscribed and sworn before me this 4th day of \_\_\_\_\_

My commission expires \_\_\_\_\_

