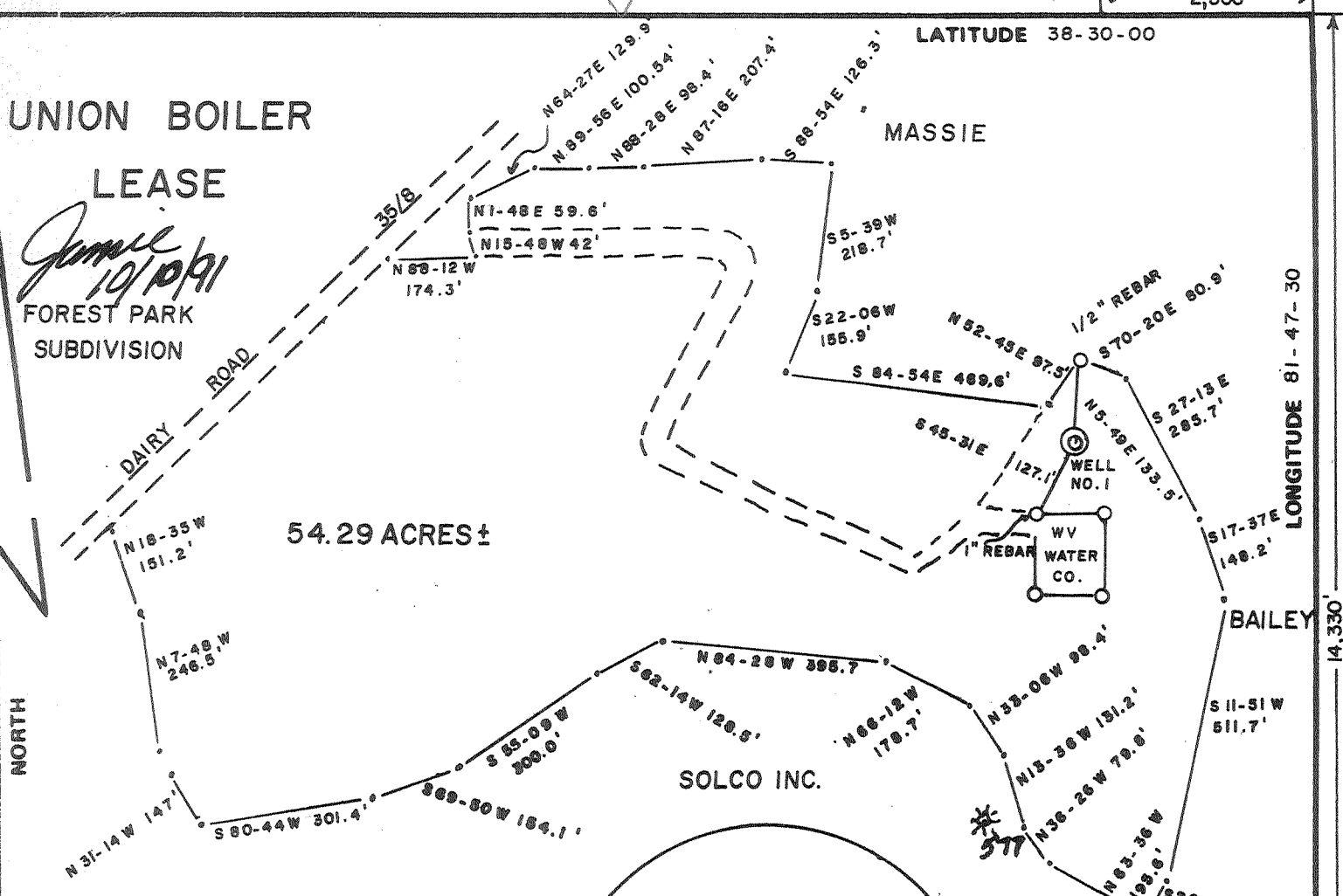
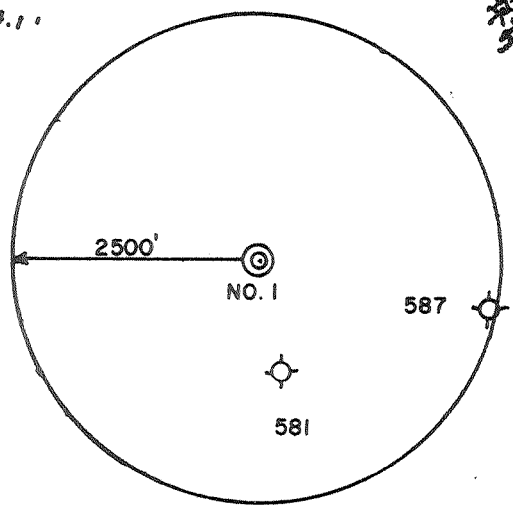
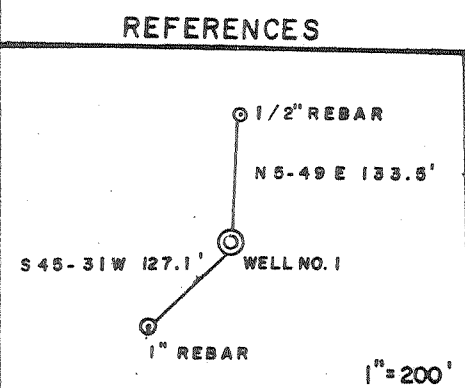


**UNION BOILER
LEASE**

Janice
10/10/91
FOREST PARK
SUBDIVISION



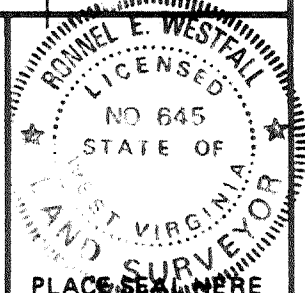
54.29 ACRES ±



WELL NO. 1
2.743
0.48

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 300'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEVATION = 902'

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) *Samuel C. Westfall*
R.P.E. _____ L.L.S. 645



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



DATE AUGUST 26, 19 91
OPERATOR'S WELL NO. UNION BOILER NO. 1
API WELL NO. _____
47 - 079 - 1168
STATE COUNTY PERMIT

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION**

Frac

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
LOCATION: ELEVATION 880' WATER SHED ROCK BRANCH
DISTRICT POCA 3 COUNTY PUTNAM
QUADRANGLE SAINT ALBANS 7.5
SURFACE OWNER SOLCO INC. ACREAGE 54.29
OIL & GAS ROYALTY OWNER SOLCO INC. LEASE ACREAGE 54.29
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 TUSCARORA ESTIMATED DEPTH 6200'
WELL OPERATOR CONTINENTAL RESERVES CO. DESIGNATED AGENT LINDA ALDRIDGE
ADDRESS 147-3 WEST MAIN ST. ADDRESS 147-3 WEST MAIN ST.
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

OCT 25 1992

PUT 1168

2,500'

LATITUDE 38-30-00

UNION BOILER LEASE

James
10/10/91

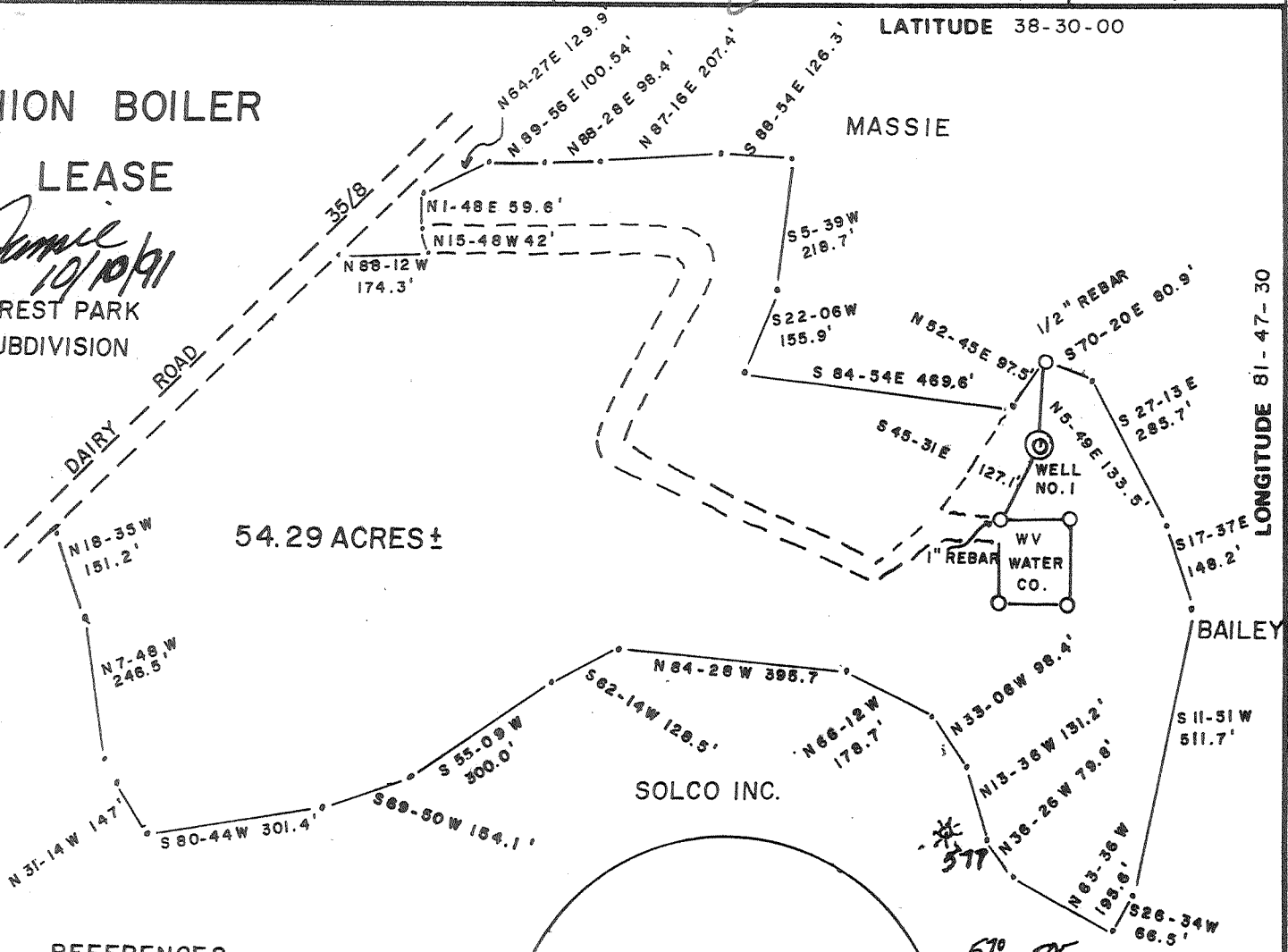
FOREST PARK SUBDIVISION

MASSIE

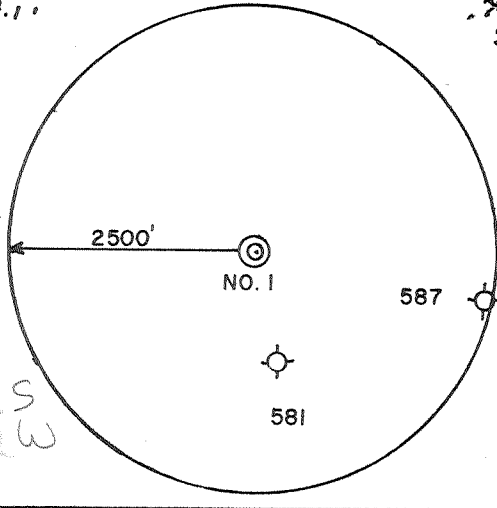
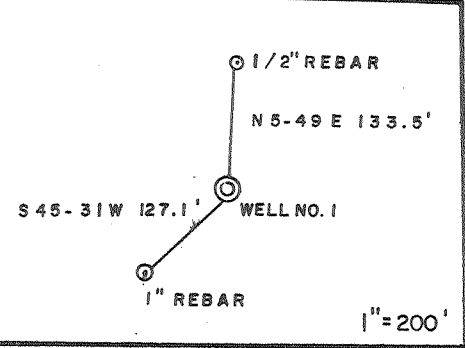
LONGITUDE 81-47-30

54.29 ACRES ±

NORTH



REFERENCES



WELL NO. 1

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
 ELEVATION = 902'

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) *Rommel E. Westfall*
 R.P.E. _____ L.L.S. 645



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



DATE AUGUST 26, 19 91
 OPERATOR'S WELL NO. UNION BOILER NO. 1
 API WELL NO. _____
47 - 079 - 1168
 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 ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 880' WATER SHED ROCK BRANCH
 DISTRICT POCA 3 COUNTY PUTNAM
 QUADRANGLE SAINT ALBANS 7.5 115 NE
 SURFACE OWNER SOLCO INC. ACREAGE 54.29
 OIL & GAS ROYALTY OWNER SOLCO INC. LEASE ACREAGE 54.29
 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 TUSCARORA ESTIMATED DEPTH 6200'
 WELL OPERATOR CONTINENTAL RESERVES CO. DESIGNATED AGENT LINDA ALDRIDGE
 ADDRESS 147 WEST MAIN ST. BRIDGEPORT, WV 26330 ADDRESS 147-3 WEST MAIN ST. BRIDGEPORT, WV 26330

DEEP well 3-6 Elk-Poca (Sissonville) (192) DPT-Neuburdenkbrusk

State Copy

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: SOLCO, INC.

Operator Well No.: UNION BOILER 1

LOCATION: Elevation: 880.00 Quadrangle: SAINT ALBANS

District: POCATALICO County: PUTNAM
Latitude: 14330 Feet South of 38 Deg. 30Min. 0 Sec.
Longitude 2500 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: CONTINENTAL RESERVES OIL
147-3 WEST MAIN STREET
BRIDGEPORT, WV 26330-0000

Agent: LINDA E. ALDRIDGE

Inspector: GLEN P. ROBINSON
Permit Issued: 10/15/91
Well work Commenced: 11/18/91
Well work Completed: 12/05/91
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5,630
Fresh water depths (ft) 100

Salt water depths (ft) 445, 1266,
1365, 1445, 1545

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None Reported.

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	39	39	CTS
9 5/8	824	824	CTS
7	2,498	2,498	207 SX
4 1/2	5,613	980	82 SX

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2,498 to 4,699
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/c
Final open flow 51 MCF/d Final open flow 0 Bbl/c
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 700 psig (surface pressure) after 84 Hours

Second producing formation Berea Pay zone depth (ft) 2,374-2,382
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/c
Final open flow show MCF/d Final open flow 0 Bbl/c
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 180 psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED 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.

RECEIVED

WV Division of Environmental Protection

MAY 11 92

Permitting Office of Oil & Gas

For: J. Michael Scureman
CONTINENTAL RESERVES OIL CO.
By: J. Michael Scureman, President
Date: 5-8-92

<u>Formation</u>	<u>Depth</u>
Sand & Shale	0
Little Lime	1,685
Big Lime	1,720
Big Injun	1,900
Berea	2,370
Lower Huron	3,378
Java	4,062
Rhinestreet	4,470
Onondaga	4,699
Oriskany	4,786
Helderberg	4,795
Newburg	5,489
McKenzie	5,497
T.D.	5,630

RECEIVED

WV Division of
Environmental Protection

MAY 11 02

Permitting
Office of Oil & Gas

Perf'd Newburg 5,491 to 5,494; 4 shts/ft; Acidized; No show gas;
Set CIBP @ 5,475 ft; Cut 4 1/2" Csg. @ 4,633 ft. and pulled; Shot
Devonian Shale 4,070 to 2,896 ft.; Set BP @ 2,440; Perf'd Berea;
2,374 to 2,382; 15 shts; Frac'd w/50,000# 20/40 sd; 850 bbls
wtr.

5630

4795

835 expl. ftg.

12727

1) Date: _____
2) Operator's well number
UNION BOILER #1
3) API Well No: 47 - 079 - 1168
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name SOLCO INC.
Address P O BOX 425
NITRO, WV 25143
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name SAME
Address _____
Name _____
Address _____

6) Inspector Glen Robinson
Address Box 1
Bellesville, WV 26133
Telephone (304) 863-8766

(c) Coal Lessee with Declaration
Name _____
Address _____

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:

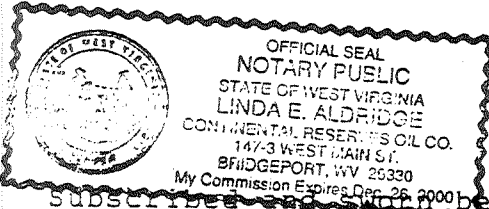
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 CONTINENTAL RESERVES OIL CO
By: J. MICHEAL SCUREMAN *Michael Scureman*
Its: PRESIDENT
Address 147-3 WEST MAIN ST.
BRIDGEPORT, WV 26330
Telephone (304) 842-5446



Subscribed and sworn to before me this 4th day of September, 19 97

Linda E. Aldridge Notary Public
My commission expires December 26, 2000