

Submit to Appropriate District Office  
 State Lease -- 6 copies  
 Fee Lease -- 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-101  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

30-025-31877

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.  
 B-1113-1

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work:  
 DRILL  RE-ENTER  DEEPEN  PLUG BACK   
 b. Type of Well:  
 OIL WELL  GAS WELL  OTHER WATER INJECTION  SINGLE ZONE  MULTIPLE ZONE

7. Lease Name or Unit Agreement Name  
 VACUUM GLORIETA WEST UNIT  
 011125

2. Name of Operator  
 TEXACO EXPLORATION AND PRODUCTION INC. 029351

8. Well No.  
 122

3. Address of Operator  
 P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat  
 VACUUM GLORIETA (216)

4. Well Location  
 Unit Letter D : 845 Feet From The NORTH Line and 1061 Feet From The WEST Line  
 Section 6 Township 18-SOUTH Range 35-EAST NMPM LEA County

10. Proposed Depth 6373'  
 11. Formation GLORIETA/PADDOCK  
 12. Rotary or C.T. ROTARY

13. Elevations (Show whether DF, RT, GR, etc.) GR-3983'  
 14. Kind & Status Plug. Bond BLANKET  
 15. Drilling Contractor TMBR/SHARP  
 16. Approx. Date Work will start FEBRUARY 15, 1993

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	11 3/4	42#	1550'	840	SURFACE
11	8 5/8	32#	3000'	1000	SURFACE
7 7/8	5 1/2	15.5# & 17#	6373'	1350	SURFACE

CEMENTING PROGRAM:  
 SURFACE CASING - 560 SX CLASS C w/ 4% GEL & 2% Cacl2 (13.5ppg, 1.74cf/s, 9.1gw/s). F/B 280 SX CLASS C w/ 2% Cacl2 (14.8ppg, 1.34cf/s, 6.3gw/s).  
 INTERMEDIATE CASING - 1st STG: 300 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SLAT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 200 SACKS CLASS H w/ 2% Cacl2 (15.6ppg, 1.19cf/s, 5.2gw/s). DV TOOL @ 1580'. 2nd STG: 500 SX CLASS H w/ 2% Cacl2 (15.6ppg, 1.19cf/s, 5.2gw/s).  
 PRODUCTION CASING - 1st STG: 350 SX CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).  
 DV TOOL @ 5000' - 2nd STG: 900 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 100 SX CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

UNORTHODOX LOCATION - GRANTED UNDER ORDER No. R-9714. LOCATION WAS MOVED BECAUSE OF A PIPELINE. APPROVAL FOR THE AMENDED LOCATION HAS BEEN APPLIED FOR IN SANTA FE. (COPY ATTACHED)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C.P. Basham/cwia TITLE DRILLING OPERATIONS MANAGER DATE 01-14-93

TYPE OR PRINT NAME C. P. BASHAM TELEPHONE NO. (915) 688-4620

(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON  
 DISTRICT SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE FEB 05 1993

CONDITIONS OF APPROVAL, IF ANY:

R-9714 as amended NSL

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

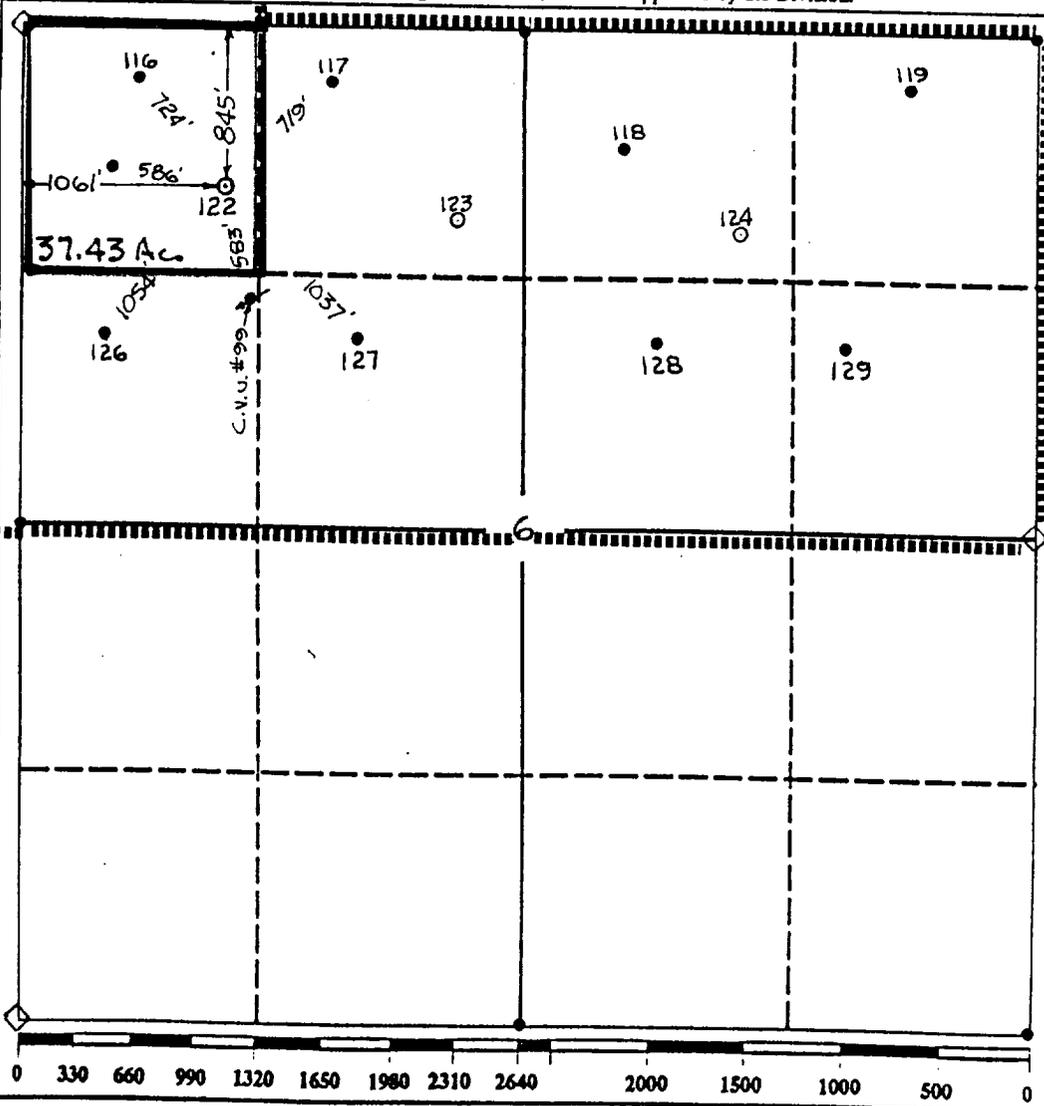
**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
 All Distances must be from the outer boundaries of the section

Operator <b>TEXACO EXPL. AND PROD. Inc.</b>			Lease <b>VACUUM GLORIETA WEST UNIT</b>		Well No. <b>122</b>
Unit Letter <b>D</b>	Section <b>6</b>	Township <b>18-South</b>	Range <b>35-East</b>	County <b>NMPM Lea</b>	
Actual Footage Location of Well: <b>845</b> feet from the <b>North</b> line and <b>1061</b> feet from the <b>West</b> line					
Ground level Elev. <b>3983</b>	Producing Formation <b>Glorieta; Paddock</b>		Pool <b>Vacuum Glorieta Pool</b>	Dedicated Acreage: <b>37.43</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
 Yes     No    If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

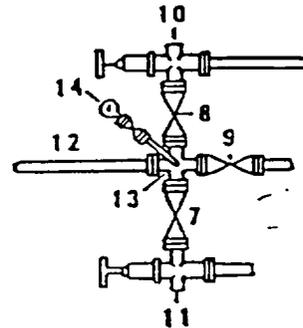
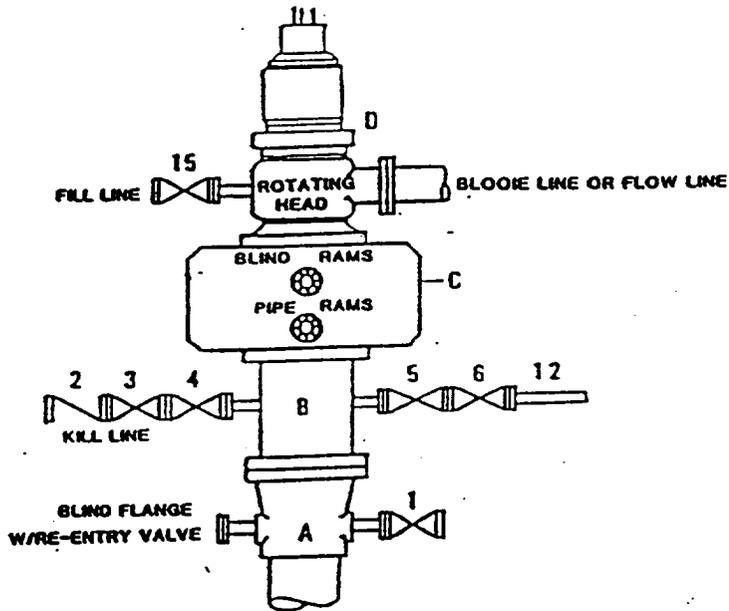
Signature: *Royce D. Mariott*  
 Printed Name: **Royce D. Mariott**  
 Position: **Division Surveyor**  
 Company: **Texaco Expl. & Prod.**  
 Date: **January 7, 1993**

**SURVEYOR CERTIFICATION**  
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **December 18, 1992**  
 Signature & Seal of Professional Surveyor: *John S. Piper*  
 Certificate No.: **7254 J. S. Piper**  
 Lea Co. FB. 7, Pg. 53

**DRILLING CONTROL  
CONDITION II-B 3000 WP  
FOR AIR DRILLING OR  
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H<sub>2</sub>S TRIM REQUIRED  
YES  NO



**DRILLING CONTROL**

**MATERIAL LIST - CONDITION II - B**

- A Texaco Wellhead
- B 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooge Line.
- 1,3,4, 7,8, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 1" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 1" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent ( location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.  
WIDLAND CITY, TEXAS  
WIDLAND, TEXAS



SCALE	DATE	EST NO	DRG NO

EXHIBIT C



Texaco USA  
Producing Department  
Midland Division

PO Box 3109  
Midland TX 79702-3109

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,  
106, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, 106, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

*C. P. Basham /cwh*

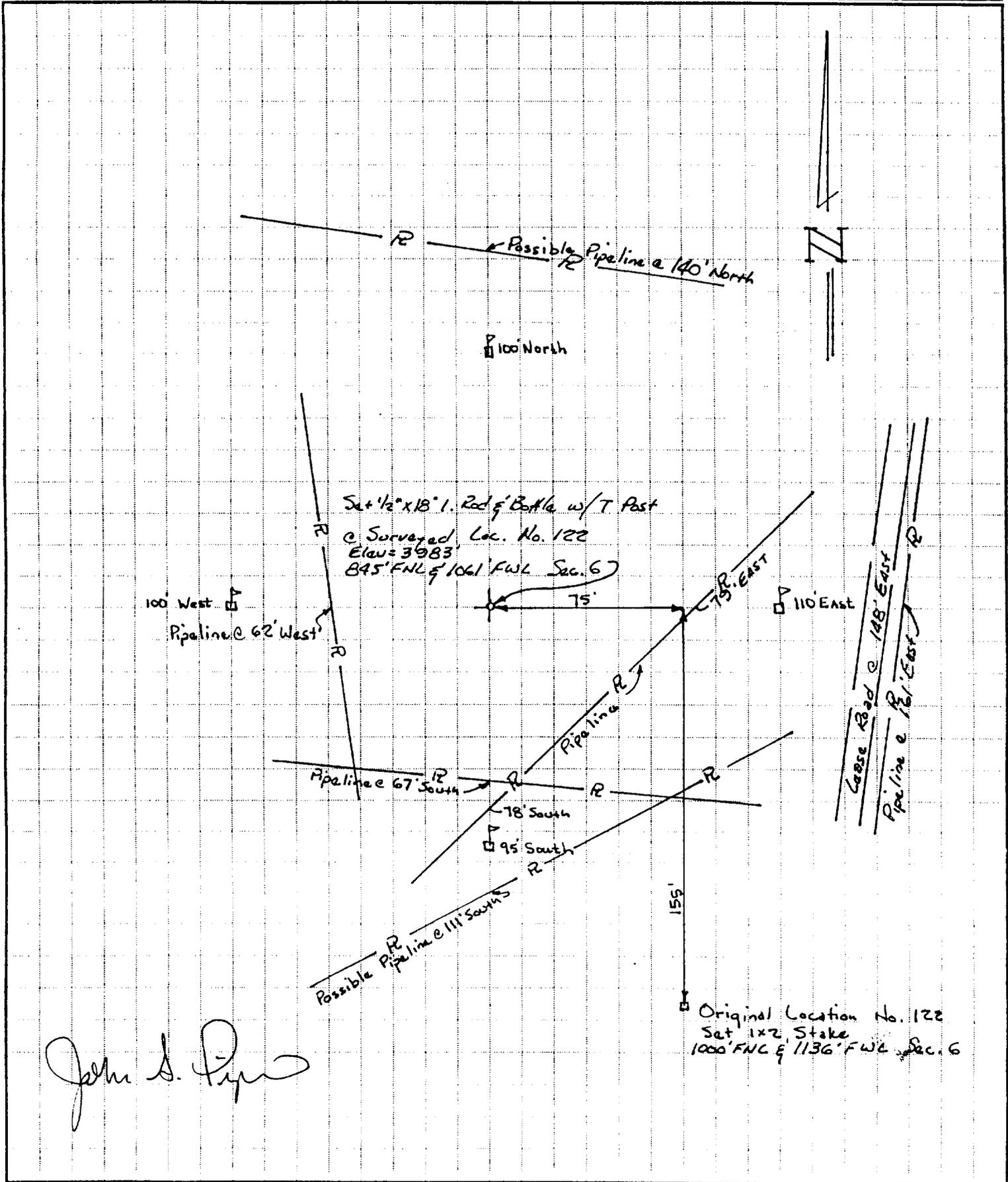
C. P. Basham  
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

**PIPER SURVEYING COMPANY**  
 P.O. Box 60432  
 MIDLAND, TEXAS 79711  
 (915) 550-7810

SHEET NO. 1 OF 1  
 CALCULATED BY Dow E Kelly DATE 01/07/93  
 CHECKED BY J. Stan Piper DATE 01/07/93  
 SCALE 1"=50'



*John S. Piper*