

District I  
PO Box 1988, Hobbs, NM 88241-1988

District II

811 South First, Artesia, NM 88218

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |  |                                             |  |                                 |                     |
|----------------------------|--|---------------------------------------------|--|---------------------------------|---------------------|
| 1 API Number<br>3004511215 |  | 1 Pool Code<br>72319                        |  | 1 Pool Name<br>Blanco Mesaverde |                     |
| 4 Property Code<br>001038  |  | 1 Property Name<br>Scott LS                 |  |                                 | 1 Well Number<br>#3 |
| 1 OGRID No.<br>000778      |  | 1 Operator Name<br>Amoco Production Company |  |                                 | 1 Elevation         |

10 Surface Location

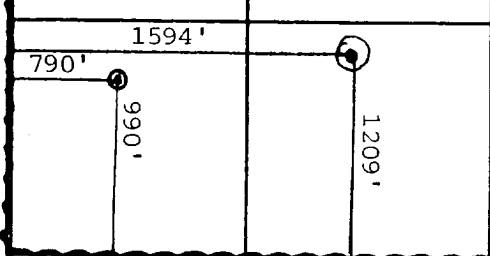
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| M             | 29      | 32N      | 10W   |         | 990           | South            | 790           | West           | San Juan |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| N             | 29      | 32N      | 10W   |         | 1209          | South            | 1594          | West           | San Juan |

|                              |                    |                       |              |
|------------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>320.00 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|------------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|               |                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                          |  |
|---------------|--------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 16            | <div style="text-align: center;"><b>RECEIVED</b><br/>NOV 14 1995<br/><b>OIL CON. DIV.</b><br/><b>DIST. 3</b></div> |  |  |  | <b>17 OPERATOR CERTIFICATION</b><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>                                                                                            |  |
|               |                                                                                                                    |  |  |  | Signature<br>Gail M. Jefferson<br>Printed Name<br>Sr. Admin. Staff Asst.<br>Title<br>11/13/95<br>Date                                                                                                                                                    |  |
| 1594'<br>790' |                                  |  |  |  | <b>18 SURVEYOR CERTIFICATION</b><br><i>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 belief.</i> |  |
|               |                                                                                                                    |  |  |  | March 12, 1954<br>Date of Survey<br>Signature and Seal of Professional Surveyer:<br><br>On File<br>Certificate Number                                                                                                                                    |  |

November 01, 1995 (revised)

Scott LS #3

High Angle Fracture Interception  
San Juan County, New Mexico

## DRILLING PROCEDURES

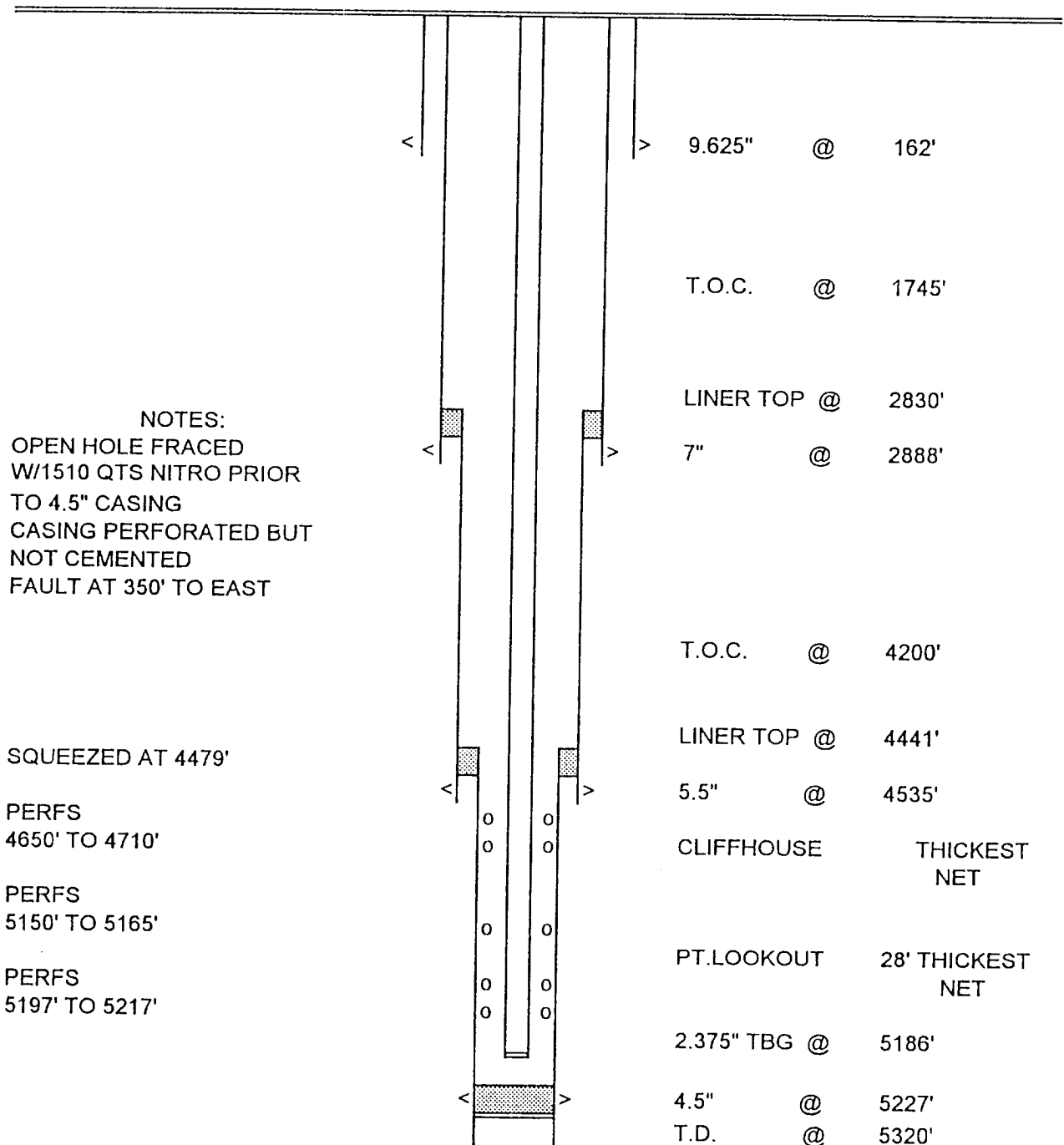
1. Move in and rig up Aztec Well Service Rig #124 complete with two double-gate ram preventers, dual 6 inch blooie lines, air package and associated safety equipment.
2. Nipple down tree, install casing spool to allow hanging a full string of 4.500" casing and nipple up blowout prevention equipment. Test to 250 and 2,000 psi.
3. Pull and lay down the 2.375" tubing. Pick up cement retainer on 2.875" X 3.500" tapered drill pipe string and set at 3,500'. Mix and pump 200 sx of 50:50 Pozmix containing 1/2 lb per sack of flocele and 10 lb per sack of gilsonite. POH and pick up a 7.000" RTTS packer. Test the 7.000" casing to 500 psi and if a leak is found, isolate and squeeze with 100 sacks of the same cement. If no leak is found, spear the 5.500" liner and cut at 3,450'. Lay down the casing and spot a 100 sx plug of 17.5 ppg, 1.114 feet cubed/sack, 4.35 gal/sack Micro-Max plug cement on top of the casing stub. Use the Amoco approved diverter method. While WOC, pick up the non-magnetic and standard 4.750" drill collars and 25 joints of 3.500" weight pipe.
4. Dress off top of plug to 3,300-3,400' using a 6.125" Smith F-57 DDP bit, trip out and run a gyro survey. Pick up a 4.750" A/D motor with bent housing, a Geo Service MWD and kick off plug with a 20 degree azimuth
5. At 3,400', build angle to approximately 25 degrees on the 20-30 degree azimuth at +/- 4.0 degrees/100'. Begin turning to a 110 degree azimuth at a TMD of 4,100' at approximately 10 degrees/100' while continuing to build angle at about 5 degrees/100'. (See attached survey program.) At a TVD of 4,650' the bottom hole location should be 344' to the North and 400' to the East of the surface location with a TMD of 4,821'. At this point, determine if the motor and MWD combination is an efficient method of drilling or if a packed hole assembly and straight rotary drilling is better. Continue drilling the 45 degree tangent to the bottom of the Point Lookout sand with no rathole if packers are to be used for isolation or with +/- 100' rathole if conventionally cemented. Run logs as required.
7. Lay down the drill string and run 4.500" 11.6#/ft N-80 (or Wildcat 75) LTC casing to total measured depth utilizing CTC International's ECP's (external casing packers) as necessary to prevent cement from contacting an open fracture in the Cliff House or the Point Lookout. Install a hydraulic DV tool above the top ECP and cement back into the 7.000" casing if considered necessary. The cement shall be 50:50 Pozmix containing 2% gel, 0.25 #/sx flocele, 0.4% Halad 344 mixed and pumped at 12.5 ppg.
8. Pick up a 3.750" mill on 2.375" tubing and cleanout to MD. Complete as determined by the CRACK team. If artificial lift is required to unload liquids, consider plunger lift or a "poor-boy" gas lift as initial options.



brad  
11/01/95 9:06 AM

14:00 hrs 11/2/95

SCOTT LS #3  
SW, SEC. 29, T32N, R10W  
API#



FINAL-HIGH ANGLE

AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAMFile No.: scolls3  
Date: 11/2/95

Lease: Scott LS Well No. 3  
 County: San Juan, New Mexico Location: SW Section 29, T32N, R11W  
 Former name: Same Field: Basin Mesaverde 11/2/95 10:13

|                                                                               |                     |                                                                                                        |             |                   |
|-------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------|-------------|-------------------|
| OBJECTIVE: Explore horizontal Mesaverde                                       |                     | APPROXIMATE DEPTHS OF GEOLOGICAL MARKER                                                                |             |                   |
| METHOD OF DRILLING                                                            |                     | Actual GL—Estima                                                                                       | 6           | U/K-USE CARE 6000 |
| TYPE OF TOOLS                                                                 | DEPTH OF DRILLING   | Marker                                                                                                 | Depth (ft.) | SS Elev. (ft.)    |
| Rotary                                                                        | 0 - TD              | Ojo Alamo, base                                                                                        | 2,004       | 3,996             |
| LOGGING PROGRAM                                                               | DEPTH               | Fruitland                                                                                              | 2,334       | 3,666             |
| TYPE                                                                          |                     | Pictured Cliffs                                                                                        | 2,704       | 3,296             |
| as required                                                                   |                     | Lewis Shale                                                                                            | 2,800       | 3,200             |
| PROBABLE TRIPLE COMBO                                                         | NEW HOLE            | Cliff House*                                                                                           | 4,642       | 1,358             |
|                                                                               |                     | Menefee*                                                                                               | 4,718       | 1,282             |
|                                                                               |                     | Point Lookout* KOP—                                                                                    | 5,113       | 887               |
|                                                                               |                     | Mancos Shale 3400                                                                                      | 5,216       | 784               |
|                                                                               |                     | TOTAL DEPTH TVD—                                                                                       | 5,223       | 777               |
| REMARKS:                                                                      |                     | MEASURED DEPT                                                                                          | 5,565       |                   |
| * Possible pay<br>#Probable completion<br>OJO ALAMO IS POSSIBLE USEABLE WATER |                     |                                                                                                        |             |                   |
| SPECIAL TESTS                                                                 |                     | DRILL CUTTING SAMPLES                                                                                  |             | DRILLING TIME     |
| TYPE                                                                          | DEPTH INTERVAL, ETC | FREQUENCY                                                                                              | DEPTH       | FREQUENCY DEPTH   |
| None                                                                          |                     | None                                                                                                   | **10'       | Geolograph 0 - TD |
| Remarks:                                                                      |                     | Remarks:<br>Mud Logging Program: **Full two-man mud logging services/Benchmark<br>Coring Program: None |             |                   |

## MUD PROGRAM:

| Approx. Interval | Type Mud | Weight, #gal | Vis, sec/qt. | W/L, cc's/30 min. |
|------------------|----------|--------------|--------------|-------------------|
| 0—SCP            | existing |              |              |                   |
| SCP—ICP          | existing |              |              |                   |
| ICP—TD           | air/foam |              |              |                   |

## REMARKS:

Cliff House and Point Lookout to be drilled at a high angle in an attempt to intercept fractures.

## CASING PROGRAM:

| Casing String | Estimated Depth | Casing Size | Hole Size  | Landing Point, Cement, Etc                                                                  |
|---------------|-----------------|-------------|------------|---------------------------------------------------------------------------------------------|
| Conductor     |                 |             |            |                                                                                             |
| Surface       | 171             | 9.625       | CASING SET |                                                                                             |
| Intermediate  | 4,550           | 7           | CASING SET |                                                                                             |
| Production    | 5,565           | 4.5         | 6.125      | Set to TMD—Packers to protect fractures<br>Cement as necessary to protect above Cliff House |

## Remarks:

CRACK Team to design casing and packers to protect fractures with cement placed as necessary to protect casing. If no fractures encountered, casing will be ce

## GENERAL REMARKS:

CRACK Team to design completion program.

Form 46 Reviewed by:

Logging program reviewed by:

PREPARED BY:

APPROVED:

APPROVED:

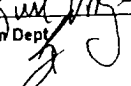
StJohn/TerBest/billy

For Production Dept

For Exploration Dept.

Form 46 7-84bw

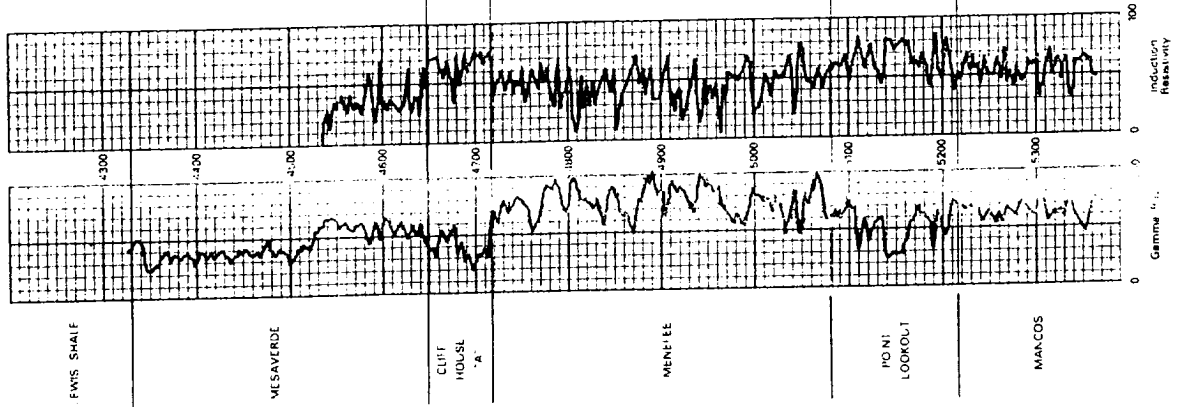
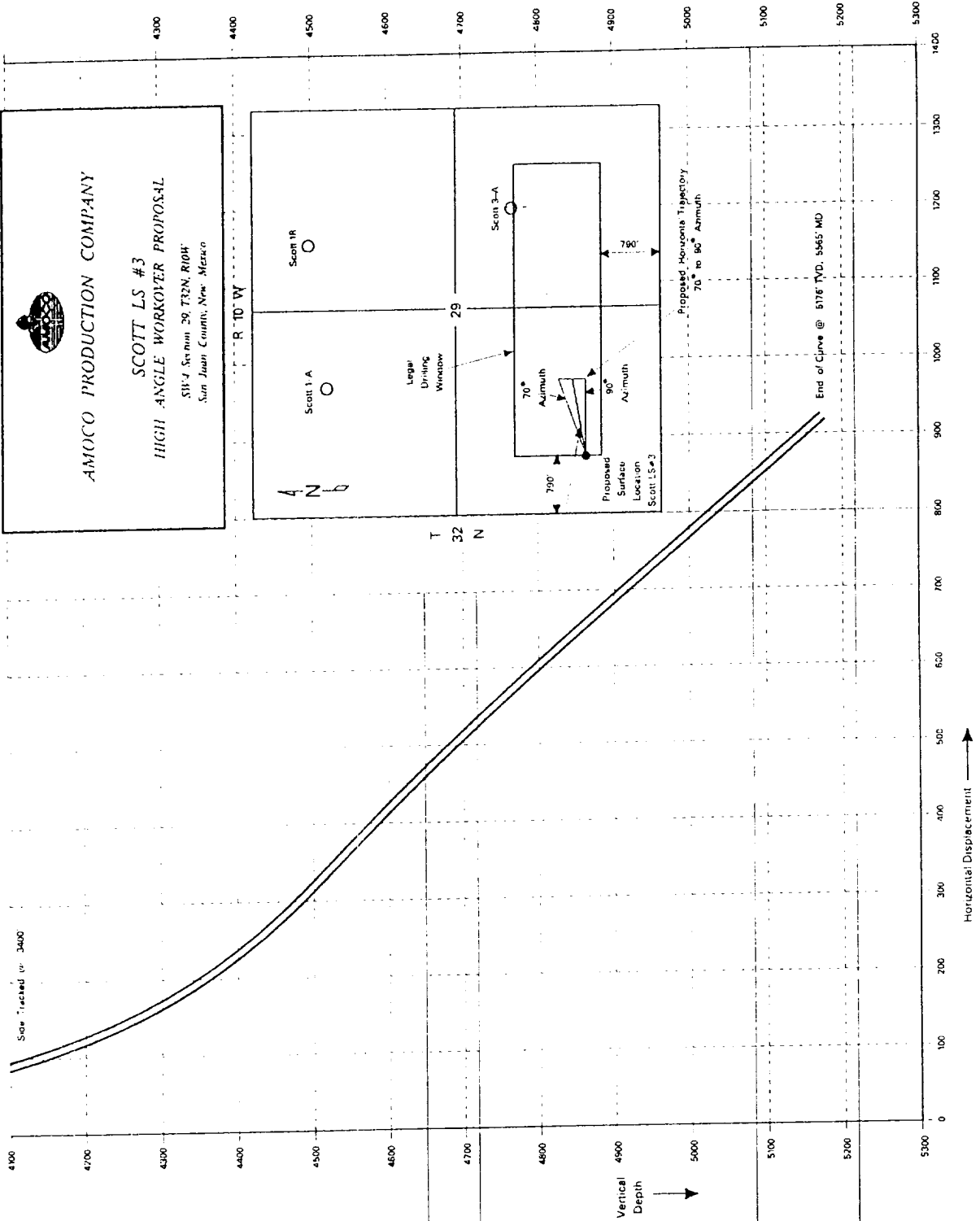
11/2/95





AMOCO PRODUCTION COMPANY

SCOTT LS #3  
HIGH ANGLE WORKOVER PROPOSAL  
SW 1/4 Section 29, T32N, R10W  
San Juan County, New Mexico



Scott LS #3  
Hi Angle  
11/01/95 (13:35hrs)  
J

Units are FEET

| T<br>I | Meas.<br>Depth | Survey<br>Incl Dir        |        | Depth<br>(TVD) | North<br>-South | East<br>-West | Vert.<br>Section | Closure<br>Dist Dir |    | Dog<br>Leg |
|--------|----------------|---------------------------|--------|----------------|-----------------|---------------|------------------|---------------------|----|------------|
|        | .00            | .00                       | 20.00  | .00            | .00             | .00           | .00              | 0                   | 0  | .0         |
|        | 3400.00        | .00                       | 20.00  | 3400.00        | .00             | .00           | .00              | 0                   | 0  | .0         |
|        | 3500.00        | 3.00                      | 20.00  | 3499.95        | 2.46            | .90           | 1.37             | 3                   | 20 | 3.0        |
|        | 3600.00        | 7.00                      | 20.00  | 3599.55        | 10.65           | 3.88          | 5.93             | 11                  | 20 | 4.0        |
|        | 3700.00        | <del>12.00</del><br>11.00 | 20.00  | 3698.15        | 26.15           | 9.52          | 14.56            | 28                  | 20 | 5.0        |
|        | 3800.00        | 15.00                     | 20.00  | 3795.38        | 48.09           | 17.50         | 26.77            | 51                  | 20 | 3.0        |
|        | 3900.00        | 18.00                     | 20.00  | 3891.25        | 74.77           | 27.21         | 41.62            | 80                  | 20 | 3.0        |
|        | 4000.00        | 21.00                     | 20.00  | 3985.50        | 106.14          | 38.63         | 59.08            | 113                 | 20 | 3.0        |
|        | 4100.00        | 24.00                     | 20.00  | 4077.88        | 142.09          | 51.72         | 79.10            | 151                 | 20 | 3.0        |
|        | 4200.00        | 27.00                     | 30.00  | 4168.17        | 180.89          | 70.04         | 104.81           | 194                 | 21 | 5.2        |
|        | 4300.00        | 30.00                     | 40.00  | 4256.09        | 219.73          | 97.48         | 139.47           | 240                 | 24 | 5.6        |
|        | 4400.00        | 35.00                     | 50.00  | 4340.47        | 257.37          | 135.57        | 184.32           | 291                 | 28 | 7.3        |
|        | 4500.00        | 40.00                     | 60.00  | 4419.85        | 291.92          | 185.45        | 240.11           | 346                 | 32 | 7.9        |
|        | 4600.00        | 45.00                     | 70.00  | 4493.64        | 320.14          | 246.62        | 305.68           | 404                 | 38 | 8.4        |
|        | 4700.00        | 45.00                     | 80.00  | 4564.44        | 338.39          | 314.74        | 376.08           | 462                 | 43 | 7.1        |
|        | 4800.00        | 45.00                     | 90.00  | 4635.24        | 344.54          | 385.01        | 446.15           | 517                 | 48 | 7.1        |
|        | 4821.00        | 45.00                     | 92.00  | 4650.09        | 344.28          | 399.85        | 460.65           | 528                 | 49 | 6.7        |
|        | 4900.00        | 45.00                     | 100.00 | 4706.00        | 338.45          | 455.32        | 513.83           | 567                 | 53 | 7.2        |
|        | 5000.00        | 45.00                     | 110.00 | 4776.80        | 320.19          | 523.44        | 576.92           | 614                 | 59 | 7.1        |
|        | 5100.00        | 45.00                     | 110.00 | 4847.51        | 296.01          | 589.89        | 637.19           | 660                 | 63 | .0         |
|        | 5200.00        | 45.00                     | 110.00 | 4918.22        | 271.83          | 656.34        | 697.45           | 710                 | 68 | .0         |
|        | 5300.00        | 45.00                     | 110.00 | 4988.93        | 247.64          | 722.78        | 757.72           | 764                 | 71 | .0         |
|        | 5400.00        | 45.00                     | 110.00 | 5059.64        | 223.46          | 789.23        | 817.98           | 820                 | 74 | .0         |
|        | 5500.00        | 45.00                     | 110.00 | 5130.35        | 199.27          | 855.68        | 878.24           | 879                 | 77 | .0         |
|        | 5565.00        | 45.00                     | 110.00 | 5176.31        | 183.55          | 898.87        | 917.42           | 917                 | 78 | .0         |