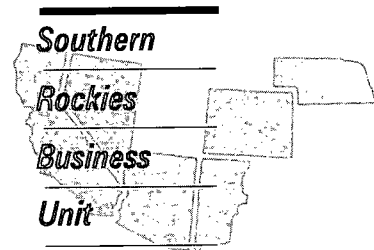


NSL

9/5/96



August 9, 1996

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P.O. Box 6429  
Santa Fe, NM 87505

**Application For Unorthodox Location**  
**Ute Indians Well A#25**  
**930' FSL, 260' FWL, Unit M Section 2-T31N-R14W**  
**Ute Dome Dakota Pool**  
**San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval for an unorthodox well location for the Ute Indians Well A#25 well to be drilled in the Ute Dome Dakota Pool. The spacing unit for this well is the southwest quarter of Section 2. This well is to be drilled at an unorthodox location for the Dakota as it is closer to the west line than the required 790 foot setback. The unorthodox location is being sought for geologic reasons. Attachment 1 is a topographic map showing the proposed location and the topography at that location. Attachment 2 is a seismic map showing the Dakota structure. Geologically, a move further to the east would risk crossing the fault into a structurally lower position thus increasing the risk of producing water in the Basal Dakota sand. The optimal location would be to stay high on the structure in the yellow area positioned equally between the fault shown in blue to the north and the smaller brown fault to the south.

Amoco is the operator of all the offsetting quarter sections so no notice is required. A copy of this application will be submitted to the BLM and the Ute Mountain Ute Tribe. Attached is a plat of the subject spacing unit, a topographic map of the surface conditions and a 3-D seismic map showing the geologically preferred location. Should you have questions, do not hesitate to call me at (303) 830-5344.

Pamela W. Staley

**Attachments**

cc: Frank Chavez, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Mark Yamasaki, Amoco  
Patty Haeefe, Amoco

Mr. Jim Lovato  
Minerals Staff Chief  
701 Camino Del Rio  
Durango, Colorado 81301

Mr. Craig Canfield, Director  
Tribal Energy and Tax Administration  
Ute Mountain Ute Tribe  
P.O. Box 42  
Towaoc, CO 81334

APPLICATION FOR APPROVAL OF UNORTHODOX LOCATION UNDER RULE 104-F

Ute Indians Well A#25  
930' FSL, 260' FWL, Unit M Section 2-T31N-R14W  
Ute Dome Dakota Pool  
San Juan County, New Mexico

ATTACHMENTS:

- TOPOGRAPHIC MAP SHOWING LOCATION OF ALL OFFSET WELLS
- FORM C-102 FOR DAKOTA FORMATION
- SEISMIC MAP SHOWING DAKOTA STRUCTURE AND FAULTING OF UTE DOME
- OFFSET OPERATORS PLAT

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 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            |  | 2 Pool Code<br>86720                        |  | 3 Pool Name<br>UTE DOME DAKOTA |                       |  |
| 4 Property Code<br>1183 |  | 5 Property Name<br>UTE INDIANS A            |  |                                | 6 Well Number<br># 25 |  |
| 7 OGRID No.<br>000778   |  | 8 Operator Name<br>AMOCO PRODUCTION COMPANY |  |                                | 9 Elevation<br>5928   |  |

10 Surface Location

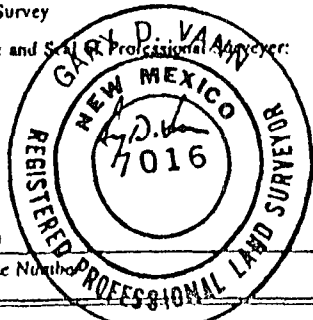
|                    |              |                  |               |         |                      |                           |                      |                        |                    |
|--------------------|--------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|--------------------|
| UL or lot no.<br>M | Section<br>2 | Township<br>31 N | Range<br>14 W | Lot Idn | Feet from the<br>930 | North/South line<br>SOUTH | Feet from the<br>260 | East/West line<br>WEST | County<br>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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

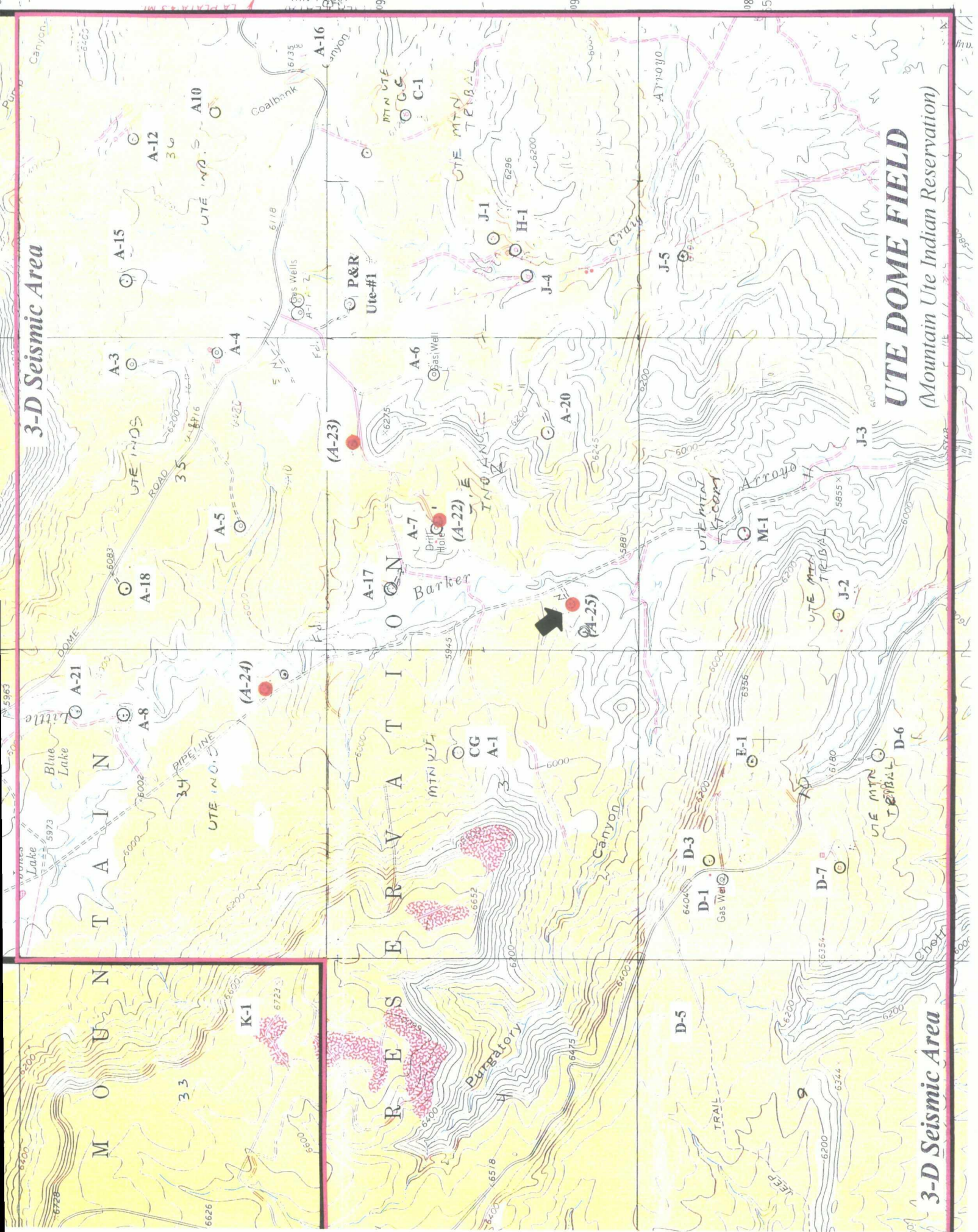
|                           |                    |                       |              |
|---------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>160 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---------------------------|--------------------|-----------------------|--------------|

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

|                                                                                                     |              |              |              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20.06<br>40.12<br>40.12<br>40.12<br>40.12<br>640.48<br>2<br>April 27, 1987<br>260'<br>930'<br>1320' | 16 (4) 40.12 | 17 (3) 40.12 | 18 (2) 40.12 | 19 (1) 40.12 | 20.06<br>17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br>Signature <u>Patty Haeefe</u><br>Patty Haeefe<br>Printed Name<br>Staff Assistant<br>Title<br>8/7/96<br>Date<br><br>18 SURVEYOR CERTIFICATION<br>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.<br>August 1, 1996<br>Date of Survey<br>Signature and Seal of Registered Professional Surveyor:<br><br>7016<br>Certificate Number |
|                                                                                                     |              |              |              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                     |              |              |              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                     |              |              |              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



3-D Seismic Area



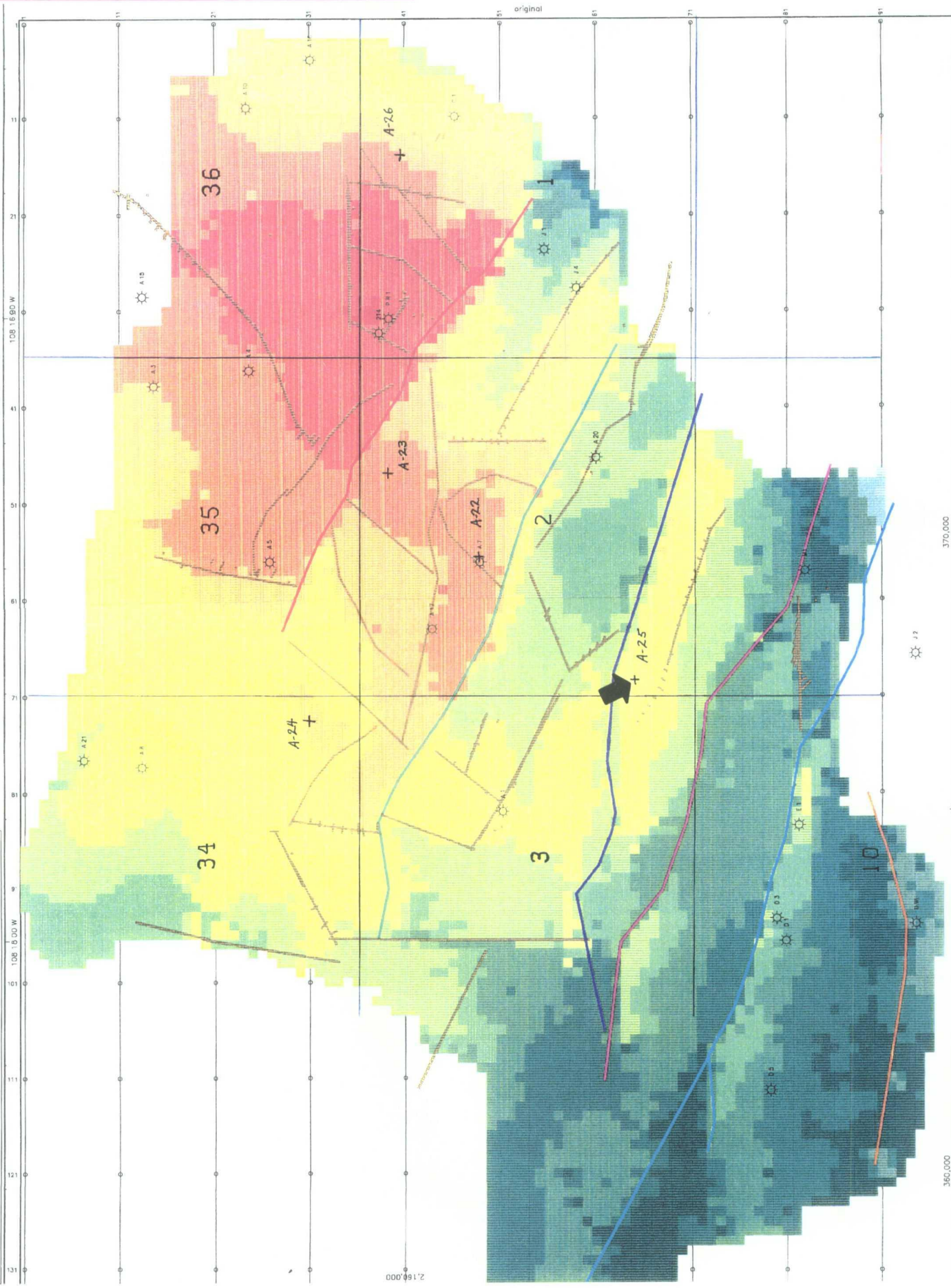
UTE DOME FIELD

(Mountain Ute Indian Reservation)

3-D Seismic Area



bmap\_ute\_dome\_18  
1-Aug-1996 16:13  
bmap\_ute\_dome\_18.cgm, for, zgsgf05.at, desgsf05



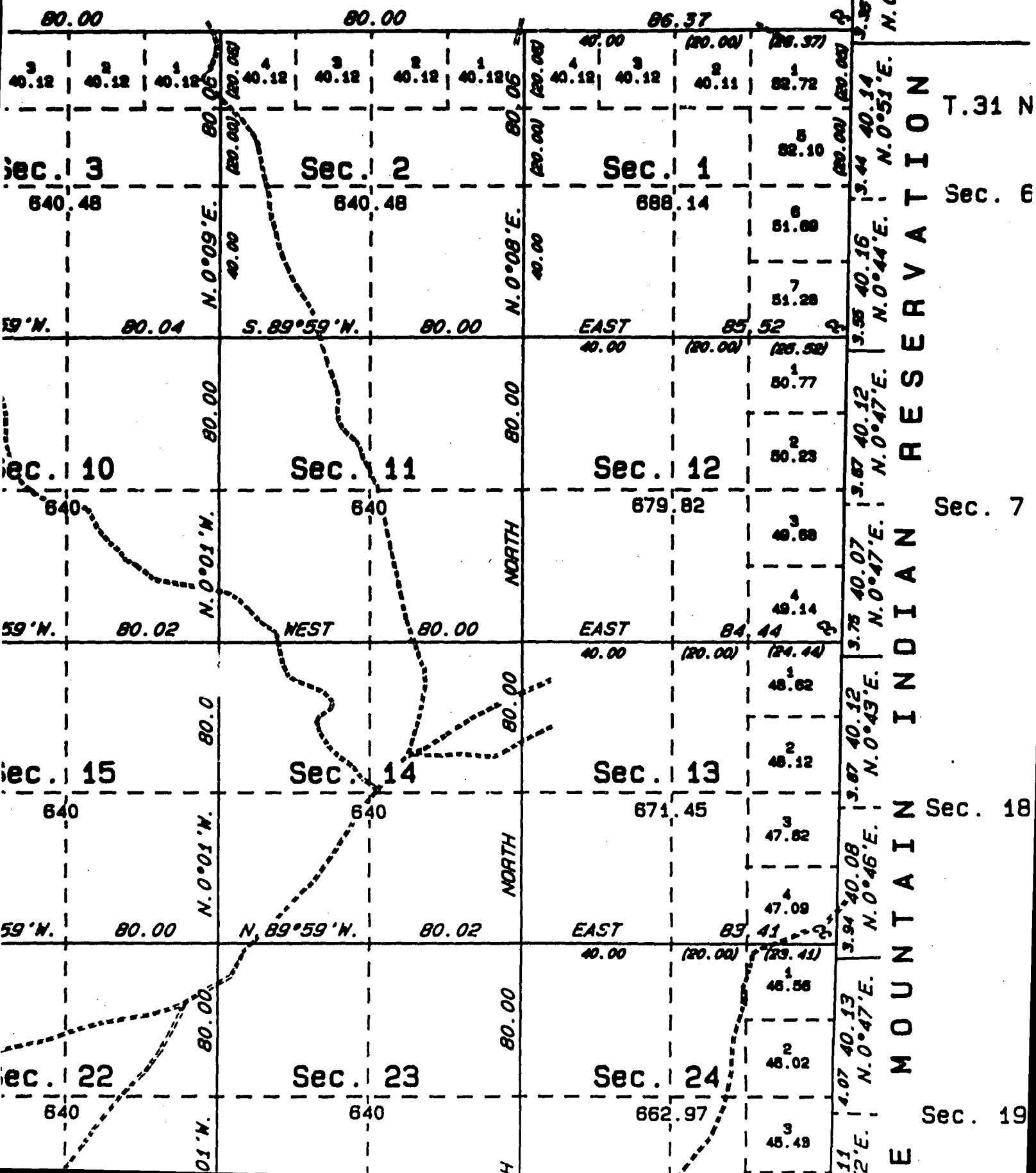
bmap\_ute\_dome\_18  
1-Aug-1996 16:13  
bmap\_ute\_dome\_18.cgm, for, zgsgf05.at, desgsf05

# OF THE NEW MEXICO PRINCIPAL

33 1/2 N. 0° 02' E.

Sec. 31

T. 32 N.



A history of surveys is contained in the field notes.

This plat represents the dependent resurvey of the north boundary of Township 30 North, Range 14 West, portions of the west boundaries of Townships 31 and 32 North, Range 13 West, designed to restore the corners in their true original locations according to the best available evidence, and the survey of the west and north boundaries and subdivisional lines of Township 31 North, Range 14 West, New Mexico Principal Meridian, New Mexico.

Survey executed by Gilbert V. Olson and Jack A. Savlan, Supervisory Cadastral Surveyors, beginning July 11, 1985, and completed November 21, 1985, pursuant to Special Instructions dated July 9, 1985 for Group 851, New Mexico.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Santa Fe, New Mexico

April 27, 1987

This plat is strictly conformable to the approved field notes, and the survey, having been correctly executed in accordance with the requirements of law and the regulations of this Bureau, is hereby accepted.

For the Director



Chief Cadastral Surveyor  
for New Mexico

0.7°N.  
2.6°W.





County San Juan

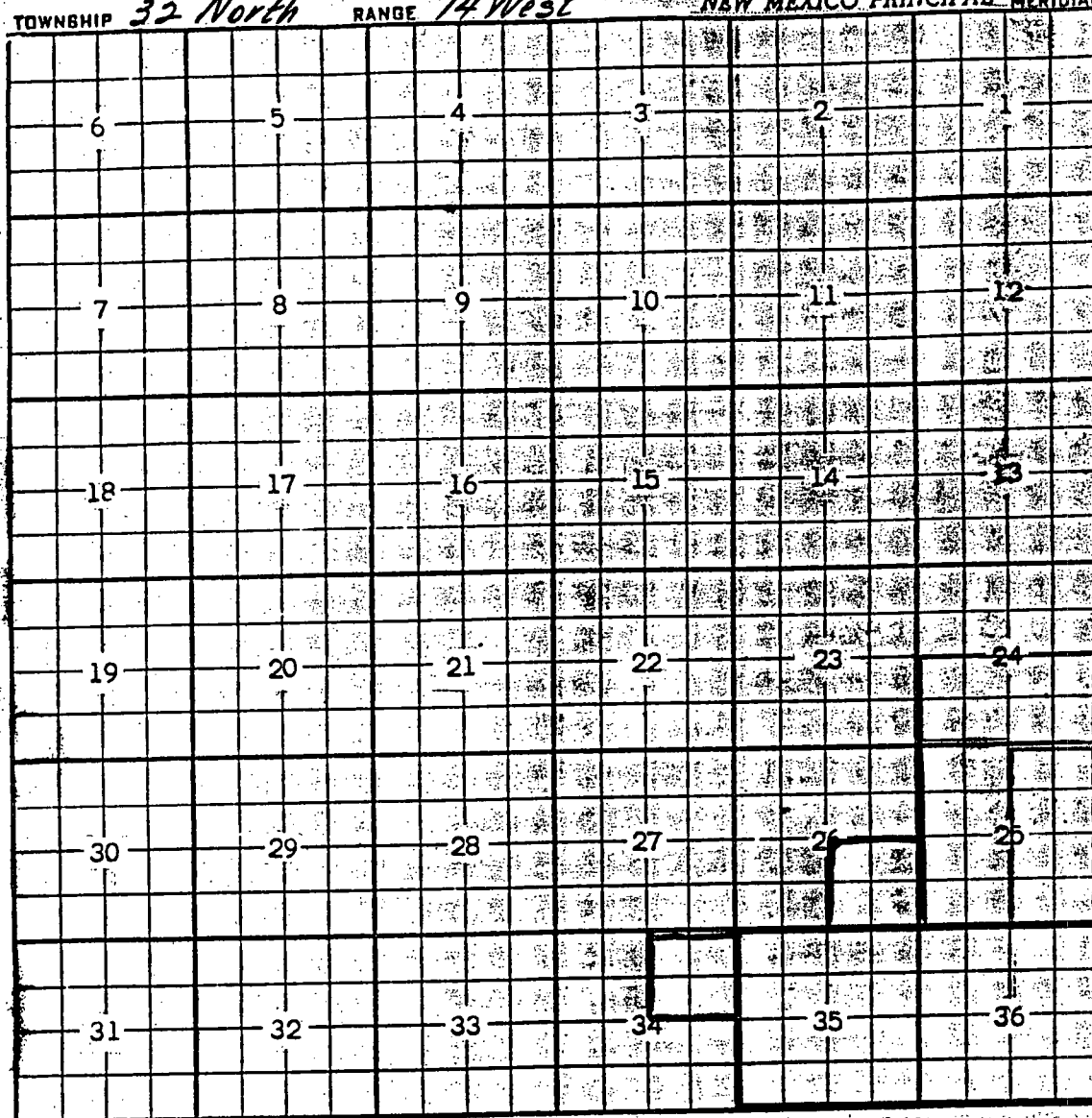
Pool

Ute Dome - DakotaTOWNSHIP 32 North

RANGE

14 West

NEW MEXICO PRINCIPAL MERIDIAN

Description: All Sec. 35 & 36 (R-13, 3-15-50)Ext: E $\frac{1}{2}$  Sec 25 (R-4690, 12-1-73) Ext: E $\frac{1}{2}$  Sec 24 (R-5779, 8-1-78)Ext: W $\frac{1}{2}$  Sec 25 (R-6327, 5-1-80) Ext: SE $\frac{1}{4}$  sec 26, NE $\frac{1}{4}$  sec 34, (R-6886, 1-22-82)

County San Juan

Pool Ute Dome - Dakota

TOWNSHIP 31 North

RANGE 14 West

NEW MEXICO PRINCIPAL MERIDIAN

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

Description: All Sec. 1 & 2 (R-13, 3-15-50)

Ext: All Sec 10 & 11 (R-4690, 12-1-73)

COUNTY *San Juan*

POOL

*Ute Dome - Dakota*TOWNSHIP *32 North*RANGE *13 West*

NMPM

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

Ext:  $\frac{SW}{4}$  Sec 30 (R-5339, 2-1-77) Ext:  $\frac{N}{2} + \frac{SE}{4}$  Sec. 30 (R-6056, 8-1-79)

Ext:  $\frac{N}{2}$  Sec 31 (R-7046, 8-6-82)