



Cross Timbers Oil Company

NSL 5/25/99

RECEIVED
MAY - 5 1999
CONSERVATION DIVISION

May 3, 1999

Bureau of Land Management
San Juan Resource Area
701 Camino Del Rio
Durango, Colorado 81301
Attention: Mr. Dan Rabinowitz

Re: Application for Unorthodox Location
Ute Dome Dakota Pool and Morrison Sandstone
Ute Indians A #29
SW/4 Section 36-32N-14W
San Juan County, New Mexico

Gentlemen:

Cross Timbers Operating Company hereby requests approval of the following unorthodox location:

Well Name:	Ute Indians A #29
Pool:	Ute Dome Dakota and Morrison Sandstone formation
Location:	1,510' FSL & 2,100' FWL
Acreage Dedication:	SW/4 Section 36-32N-14W, containing 160 acres, more or less
County/State:	San Juan County, New Mexico
Pool Rules:	790' from lease lines and quarter section lines

Attached is the following support and documentation for said application:

1. C-102 Plat
2. Geologic discussion
3. Copy of certified letter sent to offset operators/owners (None)
 - A. Plat of offset operators
 - B. List of offset operators

We look forward to your approval and please call me at (817) 877-2336 with any questions.

Yours very truly,

Edwin S. Ryan, Jr.

PO Box 1990, Hobbs, NM 88241-1990

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-10
Revised February 21, 1997

District II
PO Drawer 00, Artesia, NM 88211-0719

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

AMENDED REPORT

District IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code 86720	*Pool Name UTE DOOM DAKOTA
*Property Code	*Property Name UTE INDIANS A	*Well Number 29
*GRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY	*Elevation 6165'

10 Surface Location

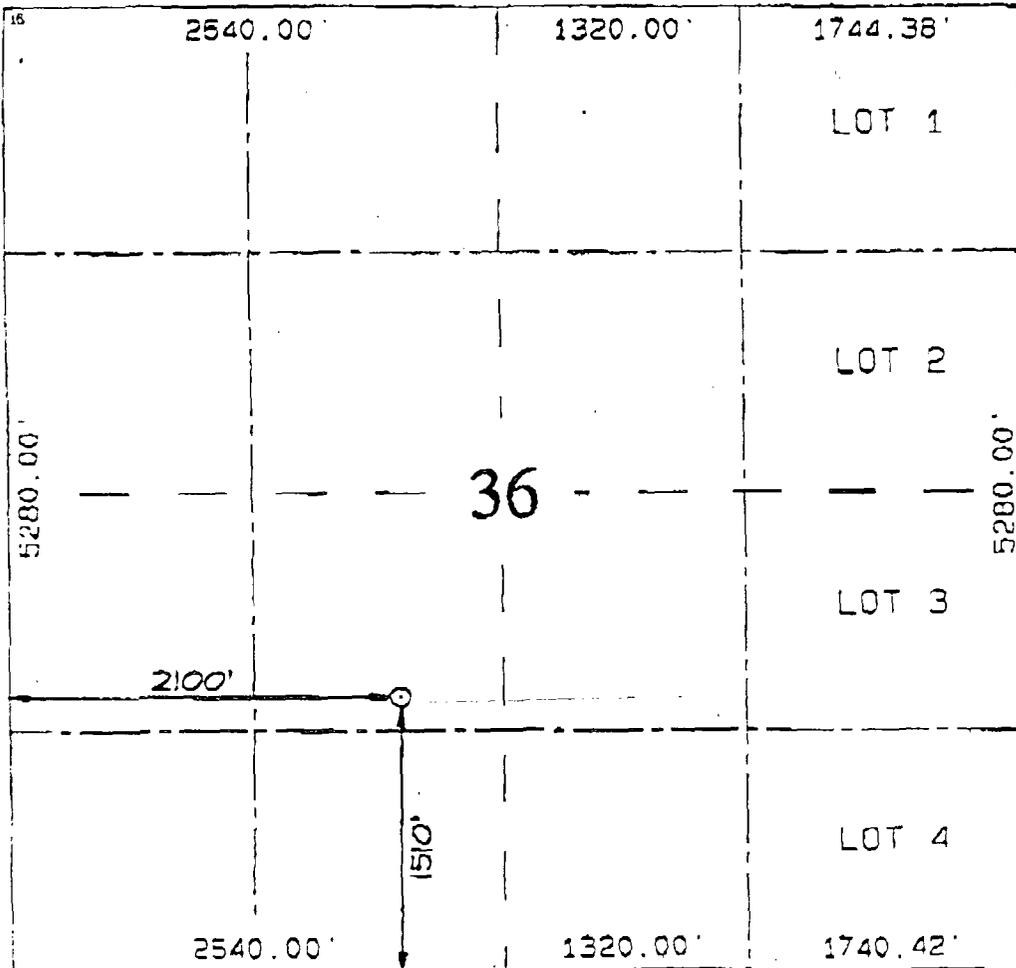
LL or lot no.	Section	Township	Range	Lot	Feet from line	North/South line	Feet from line	East/West line	County
K	36	32N	14W		1510	SOUTH	2100	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

LL or lot no.	Section	Township	Range	Lot	Feet from line	North/South line	Feet from line	East/West line	County

*Dedicated Acre	*Joint or Infill	*Dedication Code	*Order No.
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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



17 OPERATOR CERTIFICATION

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

Signature
Gary L. Markestad
Printed Name
Vice-President / Production
Title
Date

18 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 belief.

MARCH 29, 1999
Date of Survey

Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
6857
Certificacio... 6857

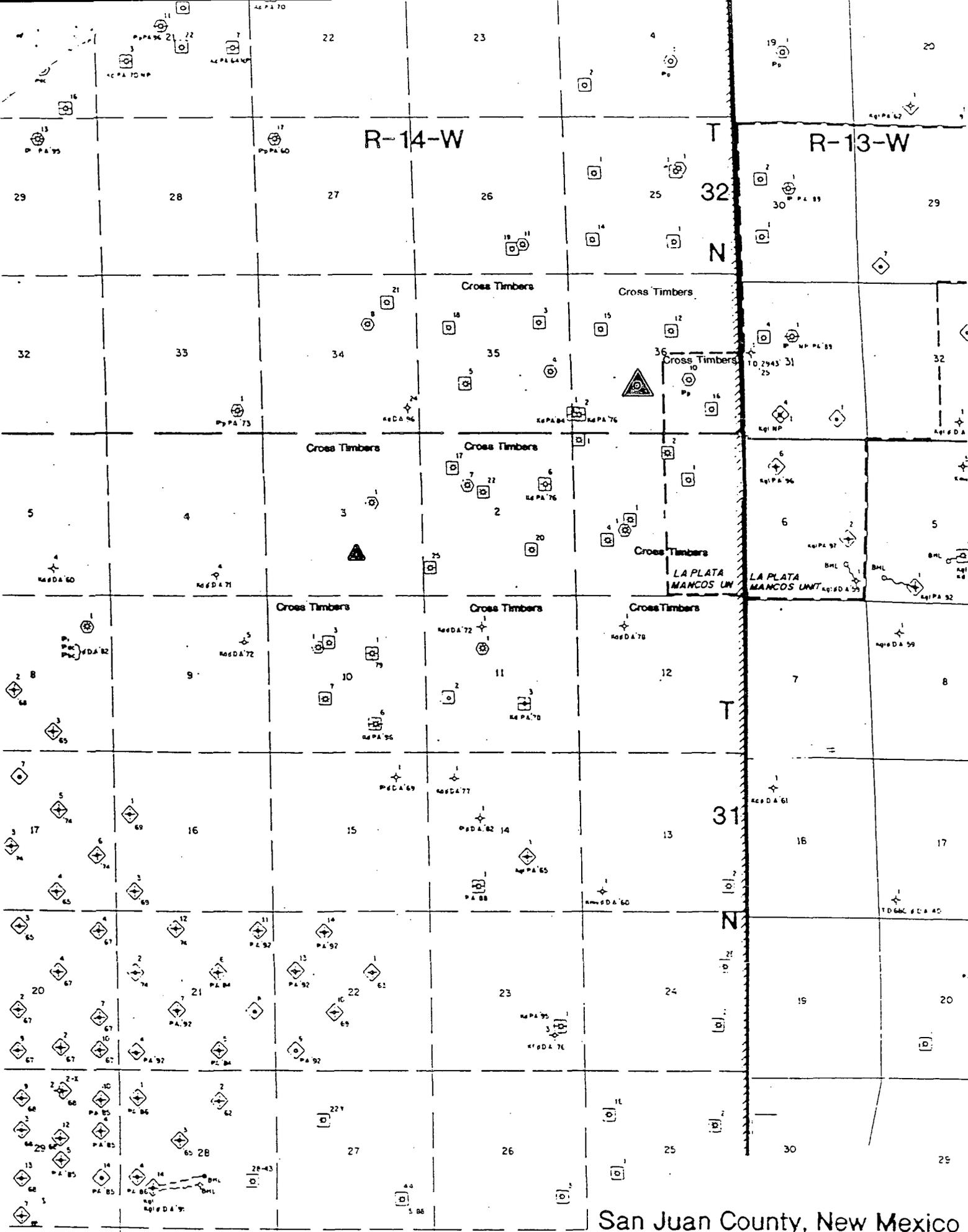
UTE INDIANS "A" #29
GEOLOGIC SUMMARY

The Ute Indians "A" #29 is a proposed 2700' Dakota test to be located 1510' FSL and 2100' FWL of Section 36-T32N-R14W. There are currently active Dakota wells in the NW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of Section 36. The discovery wells for the Ute Dome Dakota field, the Ute Indian "A" #1M36 and the Southern Ute #2-30X, both drilled in 1921, are in the SWSW of Section 36. Last production from these wells was in 1984, and they are both plugged. Production records for both wells suggest that the vast majority of their production came from the Burro Canyon Sandstone, which lies unconformably just below the base of the Dakota Formation. The Burro Canyon Ss. is not a primary objective of the proposed well.

The primary objective of this well is to test the lower Dakota fluvial sandstones which are sinuous in nature and generally oriented in a N-S or NNE-SSW direction across Ute Dome. These sands are known to develop thicknesses of 50 ft. or more in sections to the south and up to 49 ft. in Section 25 to the north. These sands are either poorly developed or thin in the existing wells within Section 36. Geologic mapping indicates that the axis of maximum sand thickness for the 4th Dakota Ss. should extend N-S through the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 36, and for the 5th Dakota Ss. should extend from SW-NE through the S $\frac{1}{2}$ of Section 36.

The placement of the proposed well in an unorthodox location is based on a combination of 1) defining an area most likely to encounter both the 4th and 5th Dakota Sandstones, while being near the axis of maximum thickness for the 4th Dakota Ss.; 2) selecting a location far enough away from existing or previous wells to minimize depletion factors, and; 3) finding a topographically suitable surface location where a well pad can be built relatively inexpensively and without unnecessary damage to the environment. The proposed location satisfies all 3 of the above conditions.

Larry K. Burch
April 28, 1999



San Juan County, New Mexico



OFFSET OPERATORS/OWNERS

Cross Timbers Oil Company, Applicant, is the only offset operator.

cc: Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

NMCOD - Aztec District Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

Offset Operators - None

Gary Burch

Ute Mountain Ute Tribe
P.O. Box 248
Towaoc, Colorado 81334
Attention: Gordon Hammond

Bureau of Indian Affairs
Ute Mountain Ute Agency
P.O. Box KK
Towaoc, Colorado 81334

Bobby Smith - CTOC Midland

Barry Voigt

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/18/99 09:41:33
OGOMES -TPFE
PAGE NO: 1

Sec : 36 Twp : 32N Rng : 14W Section Type : NORMAL

D U00 40.00 *** Indian owned	C U00 40.00 *** Indian owned	B U00 40.00 *** Indian owned	A U00 40.00 *** Indian owned
E U00 40.00 *** Indian owned	F U00 40.00 *** Indian owned	G U00 40.00 *** Indian owned	H U00 40.00 *** Indian owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

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ONGARD
INQUIRE LAND BY SECTION

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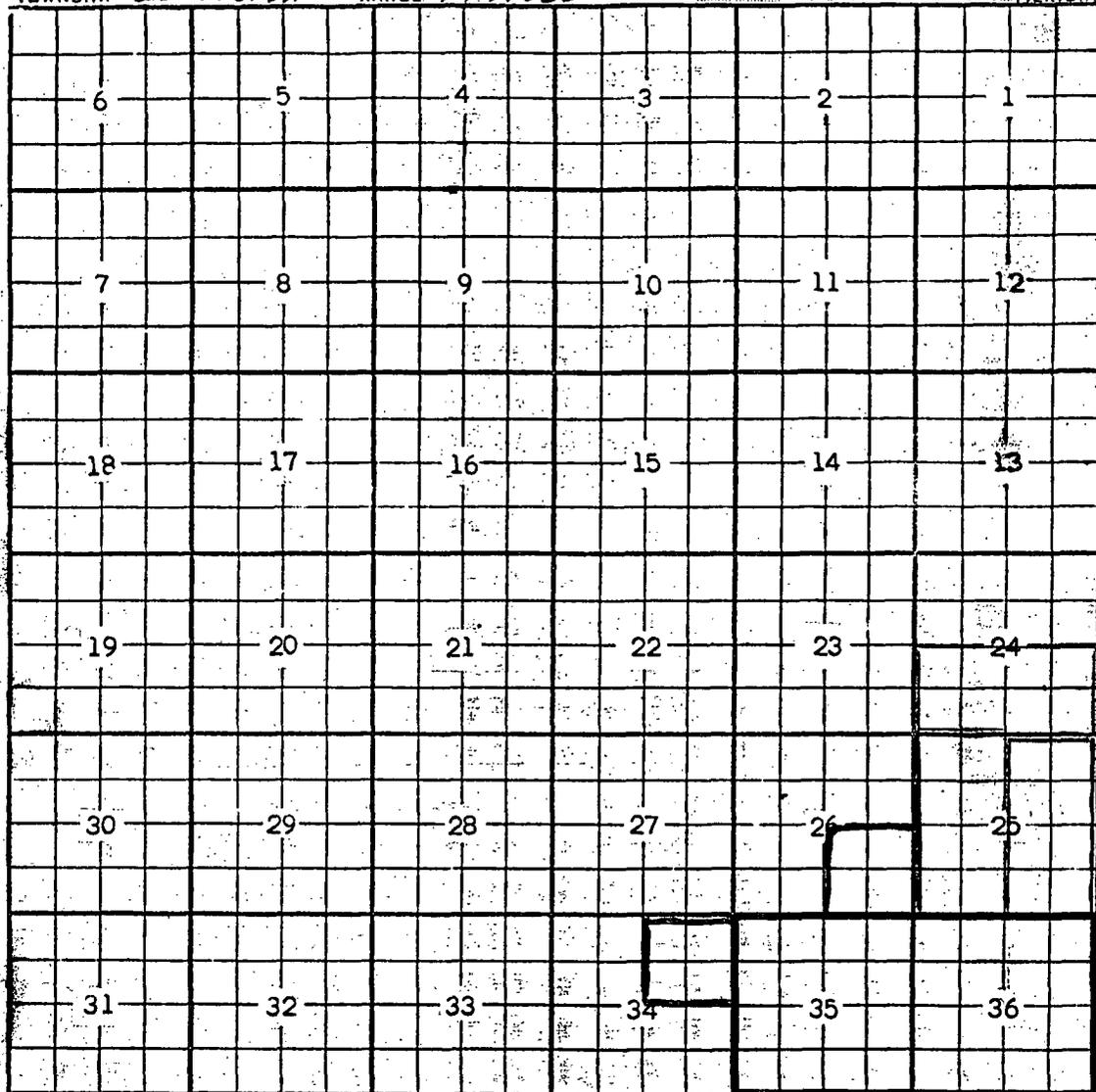
Sec : 36 Twp : 32N Rng : 14W Section Type : NORMAL

L U00 40.00 *** Indian owned	K U00 40.00 *** Indian owned	J U00 40.00 *** Indian owned	I U00 40.00 *** Indian owned
M U00 40.00 *** Indian owned	N U00 40.00 *** Indian owned	O U00 40.00 *** Indian owned	P U00 40.00 *** Indian owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

County San Juan Pool Ute Dome - Dakota

TOWNSHIP 32 North RANGE 14 West NEW MEXICO PRINCIPAL MERIDIAN



Description: All Sec. 35 & 36 (R-13, 3-15-50)

Ext. 1/2 Sec 25 (R-4690, 12-1-73) Ext. 1/2 Sec 24 (R-5779, 8-1-78)

Ext. 1/2 Sec. 25 (R-6327, 5-1-80) Ext. SE 1/4 sec 26, NE 1/4 sec 34,
(R-6886, 1-22-82)