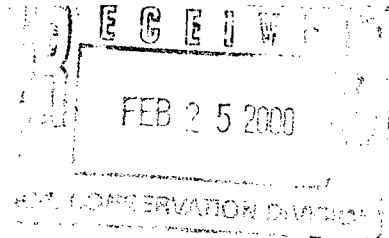


NSL 3/16/00



Cross Timbers Oil Company

February 23, 2000

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

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RE: Application for Unorthodox Location
Ute Dome Dakota Pool
Ute Indians A #30
NE/4 Section 2-31N-14W
San Juan County, New Mexico

Gentlemen:

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

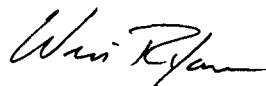
Well Name:	Ute Indians A #30
Pool:	Morrison and Entrada
Location:	Surface: 400' FNL & 300' FEL Top of Morrison: 600' FNL & 300' FEL Top of Entrada: 750' FNL & 300' FEL Bottom Hole: 850' FNL & 300' FEL
Acreage Dedication:	NE/4 Section 2-31N-14W, containing 160 acres, more or less
County/State:	San Juan County, New Mexico
Pool Rules:	660' from lease lines

Attached is the following support and documentation of said application:

1. C-102 Plat
2. Geologic discussion
3. Copy of certified letter sent to offset operators/owners
 - A. Plat of offset operators
 - B. List of offset operators

We look forward to your approval and please call me at (817) 885-2336 with any questions.

Yours very truly,


Edwin S. Ryan, Jr.

*- proposed discussion will be submitted
- have plat show
telephone conversation 2-28-00*

cc: Ute Mountain Ute Tribe
P.O. Box 248
Towaoc, Colorado 81334
ATTN: Mr. Gordon Hammond

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

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

Offset Operators

Bobby Smith - CTOC Midland

Gary Burch

Barry Voigt

District I
PO Box 1990, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code		*Pool Name MORRISON / ENTRADA	
*Property Code		*Property Name UTE INDIANS A			*Well Number 30
*OCRID No. 167067		*Operator Name CROSS TIMBERS OPERATING COMPANY			*Elevation 6095'

¹⁰ Surface Location

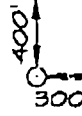
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	31N	14W		400	NORTH	300	EAST	SAN JUAN

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	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 1323.96' LOT 4 1320.00' 2640.00'	5280.00'			¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  1323.96' 1320.00' 2640.00'
	LOT 3	LOT 2	LOT 1	
	2 5280.00'			

Signature
Loren W. Fothergill

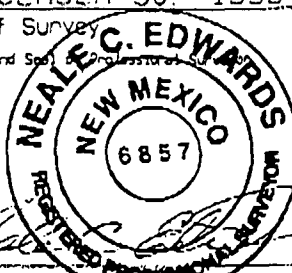
Printed Name
Loren W. Fothergill

Title
Production Engineer

Date
January 14, 2000

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.

DECEMBER 30, 1999
Date of Survey

Signature and Seal of Professional Surveyor


Certificate Number 6857

UTE INDIANS "A" #30
GEOLOGIC/GEOPHYSICAL SUMMARY

The Ute Indians "A" #30 is a proposed 3,600' Morrison/Entrada test. The "A" #30 will be directionally drilled from a surface location of 400' FNL and 300' FEL of Section 2-T31N-R14W, San Juan County, New Mexico. The top of the Morrison will be encountered 600' FNL and 300' FEL at a well depth of 2,523'. The top of the Entrada will be encountered 750' FNL and 300' FEL at a well depth of 3,353'. The bottom hole location will be 850' FNL and 300' FEL of the same section. There are currently three wells producing from the Morrison in Ute Dome field and there is no Entrada production in the field. There has been no Morrison production in the NE/4 of section 2.

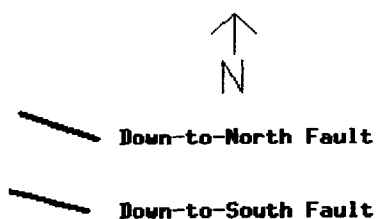
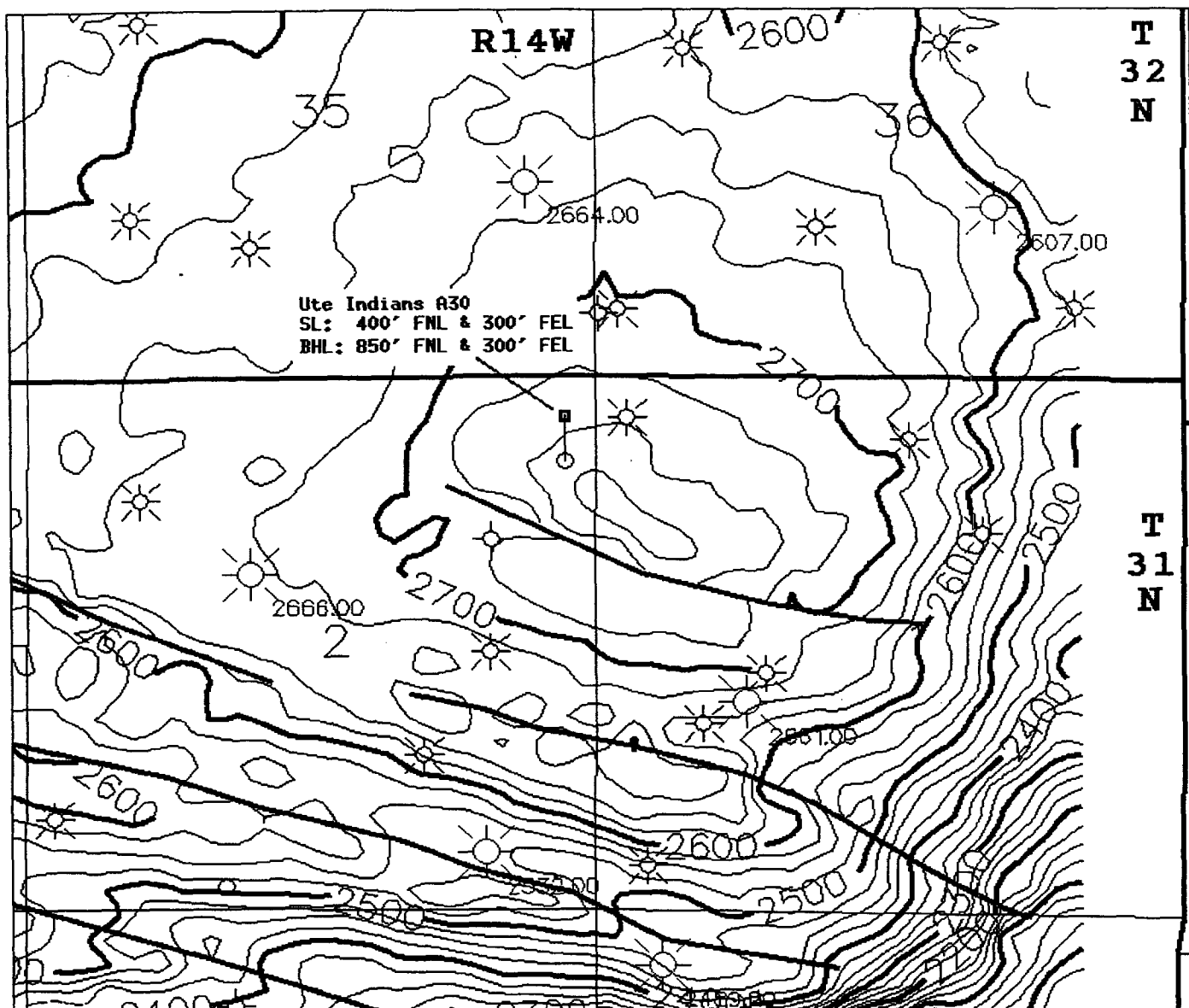
The Ute Dome field is located on a broad semi-circular structure on the Southeastern edge of the Four Corners Platform. On the southeast side of the structure, the entire stratigraphic section dips steeply to the southeast into the San Juan Basin. The southern portion of the structure is bisected at the Morrison/Entrada level by several WNW-ESE trending normal faults. Vertical displacement along these faults can be as much as 250 feet. The faults commonly form four-way structural closures which trap hydrocarbons migrating upward from mature source rocks in the basin.


The attached seismic structure maps on the top of the Dakota Formation and the top of the Entrada Sandstone, were interpreted from a vibroseis 3-D seismic survey shot by Amoco in 1995. The data was reprocessed by Cross Timbers Oil Company in 1998. The top of the Morrison is approximately 260' below the top of the Dakota. The location for the proposed Ute Indians "A" #30 was chosen to test the Morrison and Entrada at the highest structural position in the field. The Morrison is productive in structurally lower fault blocks and has never been tested on the crest of the structure. A show was encountered in the Lower Morrison/Entrada in the Cross Timbers Ute Mountain Tribal "J" #7 (NW/4 NW/4 Section 12-T31N-R11W) approximately 1 mile to the SE of the proposed location. The "J" #7 is in a structurally lower position.

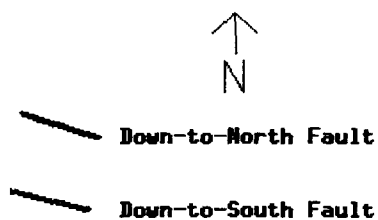
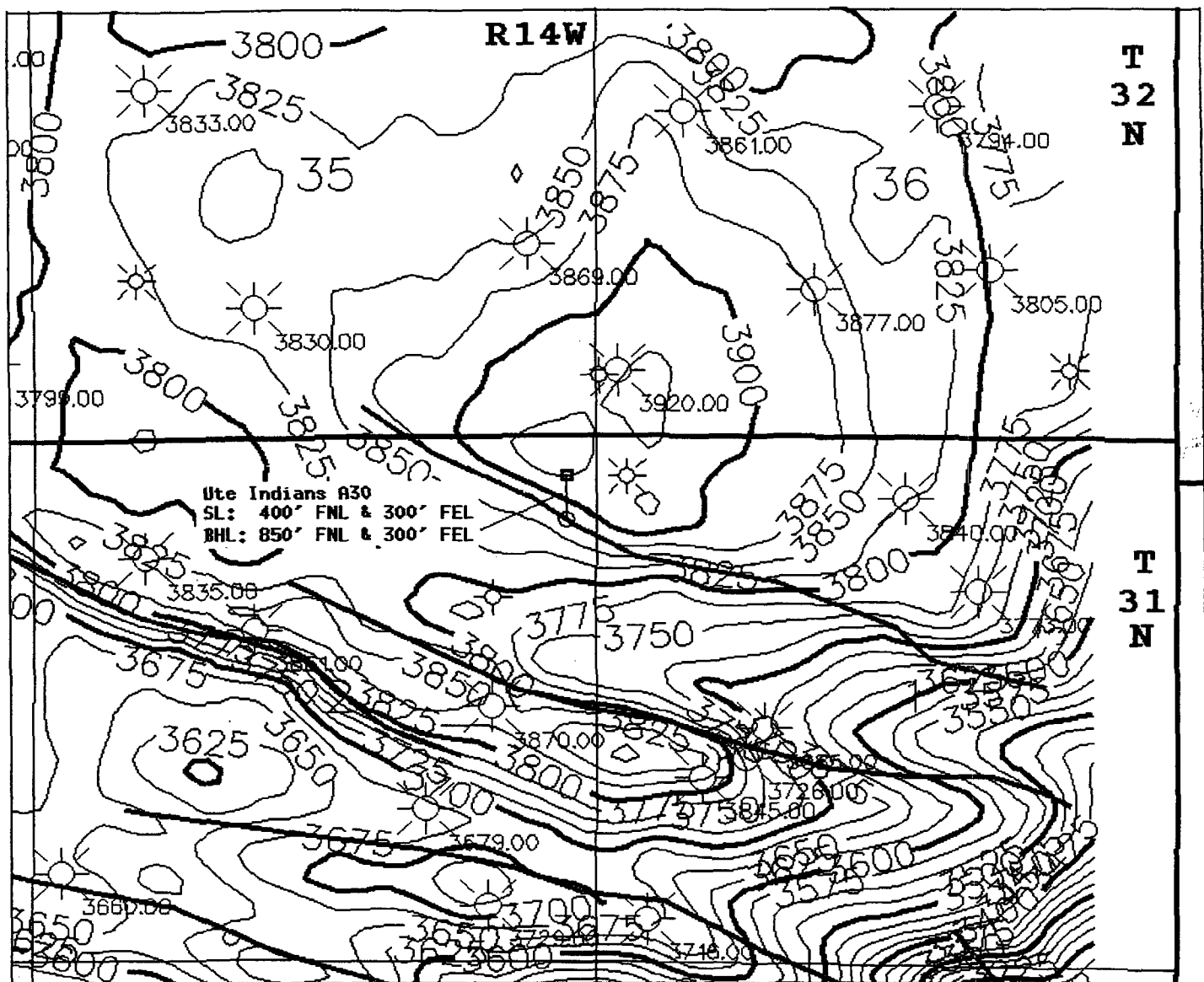
An Unorthodox Location is requested for the Morrison and the Entrada Formations. The requested location will allow Cross Timbers to test each of these Formations on the crest of the Ute Dome structure. We will have more than 50 feet of closure in each zone. A legal location in the NE/4 of section 2 would put the well on the down thrown side of a down-to-the-south normal fault and therefore in a less structurally favorable position to establish Entrada production. The proposed location is not moving the well closer to any current Morrison production. The well is to be drilled directionally due to topographic limitations and a pipeline.



2/21/00



 Cross Timbers Oil Company	
UTE DOME FIELD San Juan County, New Mexico	
STRUCTURE: Top of Entrada	
February, 2000	HSV/RMH



	Cross Timbers Oil Company
UTE DOME FIELD	
San Juan County, New Mexico	
STRUCTURE: Top of Dakota	
February, 2000	MSV/RHH

R-14-W

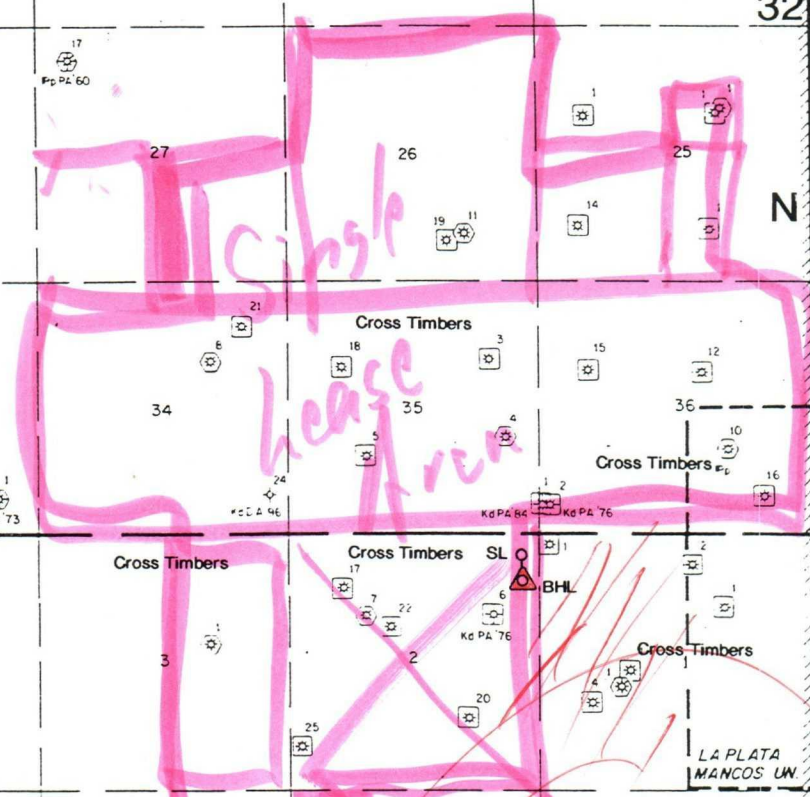
R-13-W

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Cross Timbers

Cross Timbers

Cross Timbers

Cross Timbers

Cross Timbers

Cross Timbers

Cross Timbers

Cross Timbers

common
WT
RT

2 Leases
2-28-00



Cross Timbers Oil Company
San Juan County, New Mexico

30
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Kd PA 64
Kd PA 65
Kd PA 66
Kd PA 67
Kd PA 68
Kd PA 69
Kd PA 70
Kd PA 71
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Kd PA 100

OFFSET OPERATORS/OWNERS

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