

36341733

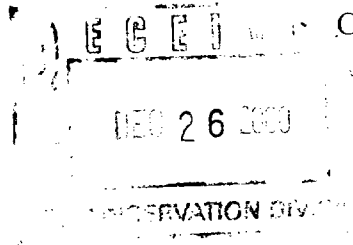
NSP  
NSL

1/16/01

**Cross Timbers Oil Company**

December 19, 2000

Mr. Michael E. Stogner  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505



Certified Mail # 0369 2804

Dear Mr. Stogner:

Pursuant to Division Rules 104 and 111, Cross Timbers Operating Company applies for administrative approval of an unorthodox gas well location and non-standard spacing and proration unit (project area) for the following directionally drilled well:

**Ute Mountain Gas Com M #2 Well**

<b>Surface Location:</b>	<b>525' FNL &amp; 2,030' FWL</b>
<b>Top of Dakota:</b>	<b>250' FNL &amp; 2,500' FWL</b>
<b>Top of Morrison:</b>	<b>204' FNL &amp; 2,579' FWL</b>
<b>Bottom Hole location:</b>	<b>76' FNL &amp; 2,797' FWL</b>

**Proposed Spacing and Proration Unit: N/2 of Section 11-T31W-R14W, San Juan County, New Mexico**

The proposed well is in the Ute Dome-Dakota Gas Pool and the proposed Ute Dome-Morrison Gas Pool. Both pools are spaced on 160 acres, with wells to be no closer than 660' to a quarter section line. A Form C-102 for the well is enclosed, highlighting the 320-acre well unit.

The surface location is unorthodox due to topographic reasons—there is 200' of surface elevation change between the surface and bottom hole locations.

The down hole and bottom hole locations are due to geology, which is described in the attached geologic/geophysical summary. Because of the need to locate the well near a fault, the Morrison interval being tested is located in two (2) quarter sections.

Also attached is an ownership map. All of Sections 2 and 11 are 100% owned by the Ute Mountain Ute Tribe, and the working interest is 100% owned by Cross Timbers Oil Company. There are no overriding royalties. As a result, there are no adversely affected offset interest owners to be notified.


By certified mail, a copy of this application has been sent to the parties listed hereunder.

Please call me at (817) 885-2661 if you have any questions.

Ute Mountain Gas Com M #2 well  
NMOCD  
December 19, 2000  
Page 2

Your consideration in this matter is appreciated.

Very truly yours,

A handwritten signature in black ink that reads "Tim Welch". The signature is fluid and cursive, with the first name "Tim" and last name "Welch" clearly distinguishable.

Tim Welch  
Senior Landman  
Cross Timbers Operating Company

Enclosures

Cc: Gordon Hammond  
Ute Mountain Ute Tribe  
P.O. Box 42  
Towaoc, Colorado 81334

Certified Mail # 0369 2811

Dan Rabinowitz  
Bureau of Land Management  
15 Burnett Court  
Durango, Colorado 87191

Certified Mail # 0369 2828

Gerry Simon  
Data Consultants Incorporated  
P.O. Box 14749  
Albuquerque, New Mexico 87191

Certified Mail # 0369 2835

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

*API Number		*Pool Code 86720	*Pool Name UTE DOME DAKOTA
*Property Code	*Property Name UTE MOUNTAIN GAS COM M		*Well Number 2
*OGRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY		*Elevation 5826'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	31N	14W		525	NORTH	2030	WEST	SAN JUAN

<sup>11</sup> 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
B	11	31N	14W		76	NORTH	2483	EAST	SAN JUAN

<sup>12</sup> Dedicated Acres 320 1/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
5280.00' OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Jeff Patton</i></p> <p>Printed Name Jeff Patton</p> <p>Title Production Engineer</p> <p>Date 12/6/00</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>REVISED: DECEMBER 6, 2000 AUGUST 23, 2000</p> <p>Date of Survey</p> <p>Signature and Seal <i>Neale C. Edwards</i></p> <p>Certificate Number <i>6857</i></p>

## **UTE MOUNTAIN GAS COM "M" #2 GEOLOGIC/GEOPHYSICAL SUMMARY**

The Ute Mountain Gas Com "M" #2 is a proposed 3,130' Ute Dome-Dakota/Ute Dome-Morrison test. The "M" #2 will be directionally drilled from a surface location of 525' FNL and 2,030' FWL of section 11-T31N-R14W, San Juan County, New Mexico. The top of the Dakota Formation will be encountered 250' FNL and 2,500' FWL at a well depth of 2,259'. The top of the Morrison Formation will be encountered 204' FNL and 2,579' FWL at a well depth of 2,510'. The bottom hole location will be 76' FNL and 2,797' FWL in the same section. There are currently no wells producing from the Ute Dome-Dakota Pool or the Ute Dome-Morrison Pool in the proposed 320-acre unit comprised of the N/2 of section 11.

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 Dakota/Morrison level by numerous WNW-ESE trending normal faults. Vertical displacement along these faults can be as much as 250'. The faults commonly form four-way closures which trap hydrocarbons migrating upward from mature source rocks in the basin.

The attached seismic structure map on the top of the Dakota Formation was interpreted from a Vibroseis 3-D seismic survey shot by Amoco in 1995, and reprocessed by Cross Timbers in 1998. The top of the Morrison is approximately 230' below the top of the Dakota. The location for the proposed Ute Mountain Gas Com "M" #2 was chosen to test the Dakota and Morrison on the up-thrown side of a WNW-ESE trending normal down-to-the-north fault. The seismic structure map shows almost 40' of closure against the fault at this location. Within section 11, two wells in the south half of the section have been completed in the Dakota Formation and no Morrison production has been established in the section. Only the Ute Mountain Tribal "J" #2 in the SW/4 of section 11 is still producing. There has been one unsuccessful Dakota well drilled in the NW/4 of section 11. The Amoco Production Mountain Ute Gas Com "D" #1 well in the east half of the NW/4 was drilled and plugged without any reported production.

An Unorthodox Location is requested for the Ute Dome-Dakota Pool and the Ute Dome-Morrison Pool. The requested location will allow Cross Timbers to test each of these Formations along the upside of a fault with closure. A legal location in the NW/4 of section 11 would put the well near the dry hole drilled by Amoco. By drilling at the unorthodox location, we will be 140' high to the dry hole. A legal location in the NE/4 of section 11 would put the well in a structurally unfavorable position. We will be moving closer to the north line of the unit. There are currently two Dakota and two Morrison producers in the south half of section 2 to the north. The Ute Indians "A" #25 well in the SW/4, SW/4 of section 2 produces from the Morrison on the up-thrown side of the same fault block targeted by the "M" #2, and from the Dakota on the down-thrown side of the fault. The Ute Indians "A" #20 well near the center of the SE/4 of section 2, is currently

## **Ute Mountain Gas Com "M" #2 Geologic/Geophysical Summary**

producing from the Dakota. This well is separated by several faults from the proposed location. The Ute Indians "A" #27 well is in the N/2,SE/4 of section 2 and is currently producing from the Morrison. There are three faults interpreted between the proposed location and the "A" #27 well. We have proposed the Ute Indians "A" #32 well in the south half of the SE/4 of section 2. The "A" #32 is targeting a separate fault block than the "M" #2. The location will be legal to the east and west lines of section 11.

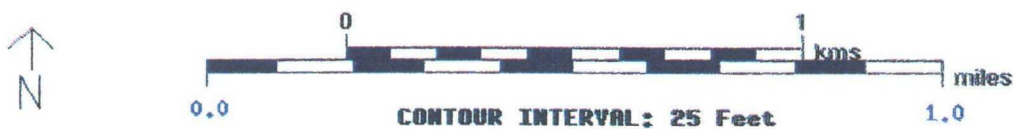
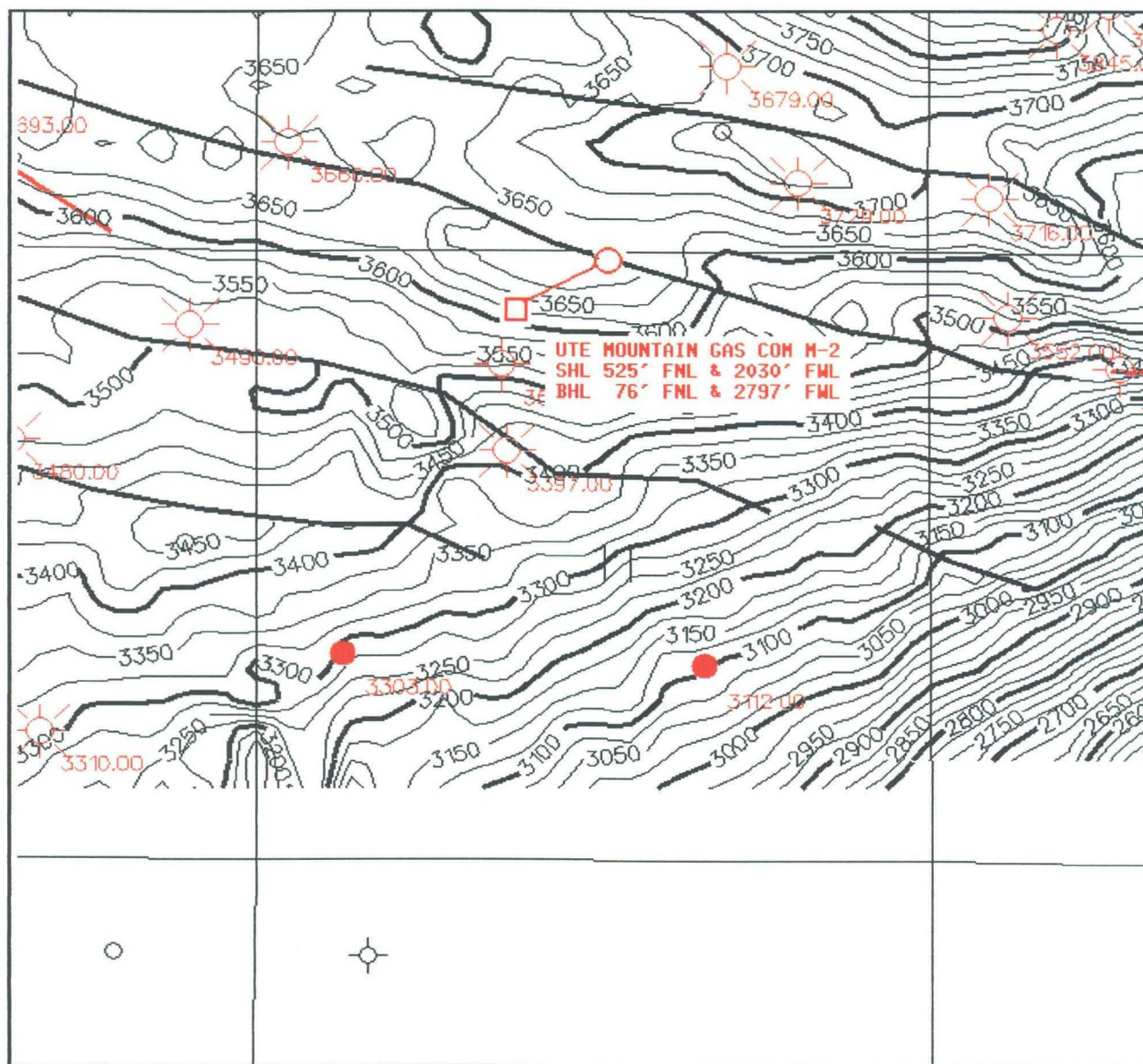
Based on the seismic structure map, the WNW-ESE trending fault block targeted by the "M" #2 has several structural closures along its length. The proposed well will target a closure not penetrated by any well in the NW/4 of section 11, or in the south half of section 2. Therefore, no current well will be able to drain these reserves. In the interest of prevention of waste and maximizing recovery from all productive zones, I believe the Unorthodox Location is necessary.




Randall M. Hosey  
Senior Geologist  
Cross Timbers Oil Company

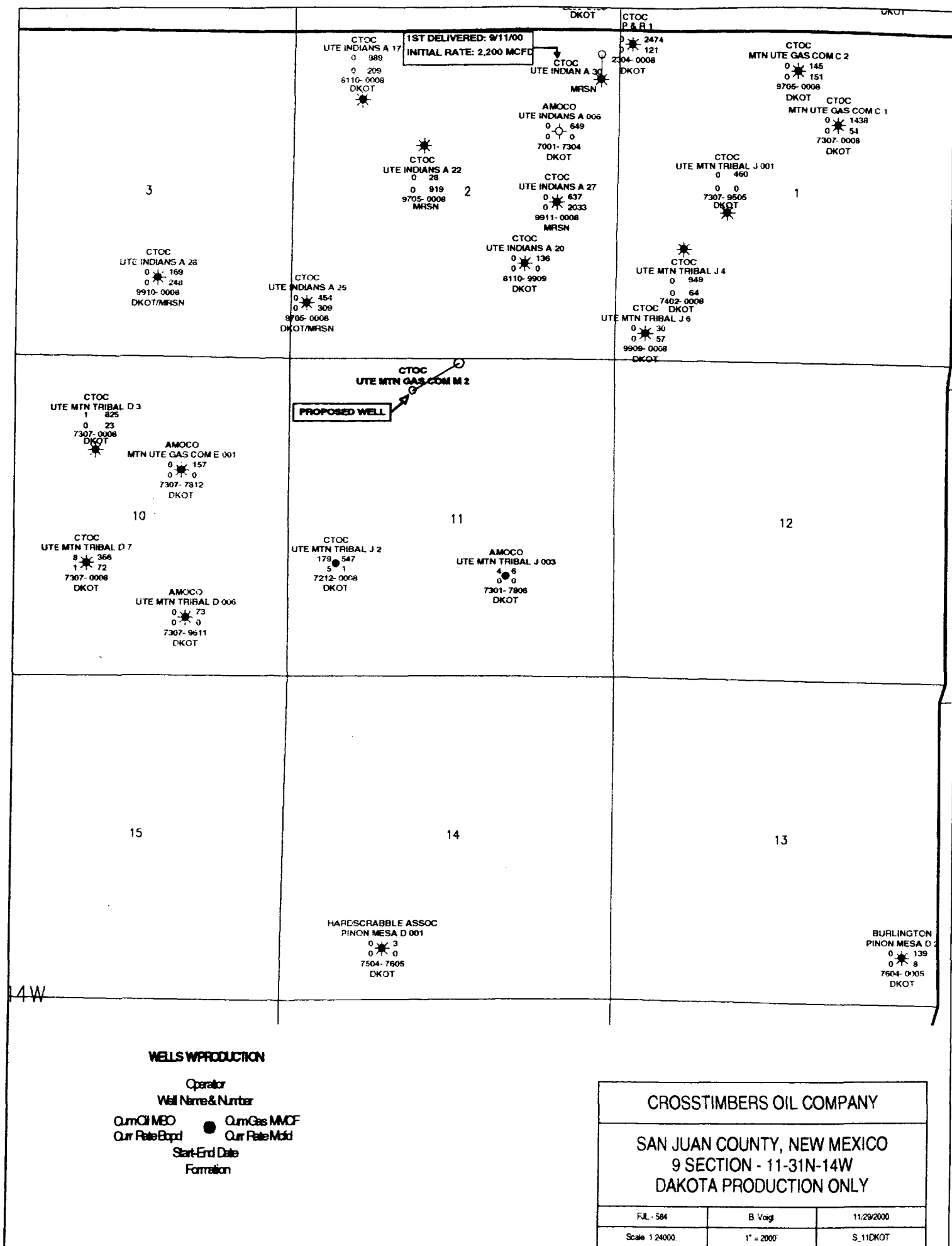
R 14 W

T  
3  
1  
N



-  Down-to-North Fault
-  Down-to-South Fault

 <b>Cross Timbers Oil Company</b>
<p align="center"><b>UTE DOME FIELD</b> San Juan County, New Mexico</p>
<p align="center"><b>STRUCTURE: TOP OF DAKOTA</b> <b>UTE MOUNTAIN GAS COM H-2</b></p>
<p>November, 2000 <span style="float: right;">MSV</span></p>







# Cross Timbers Oil Company

Ownership Map for all Formations

Ute Mountain Gas Com M#2 Well, N/2 of Section 11, T-31-N, R-14-W

STATE: New Mexico COUNTY: San Juan

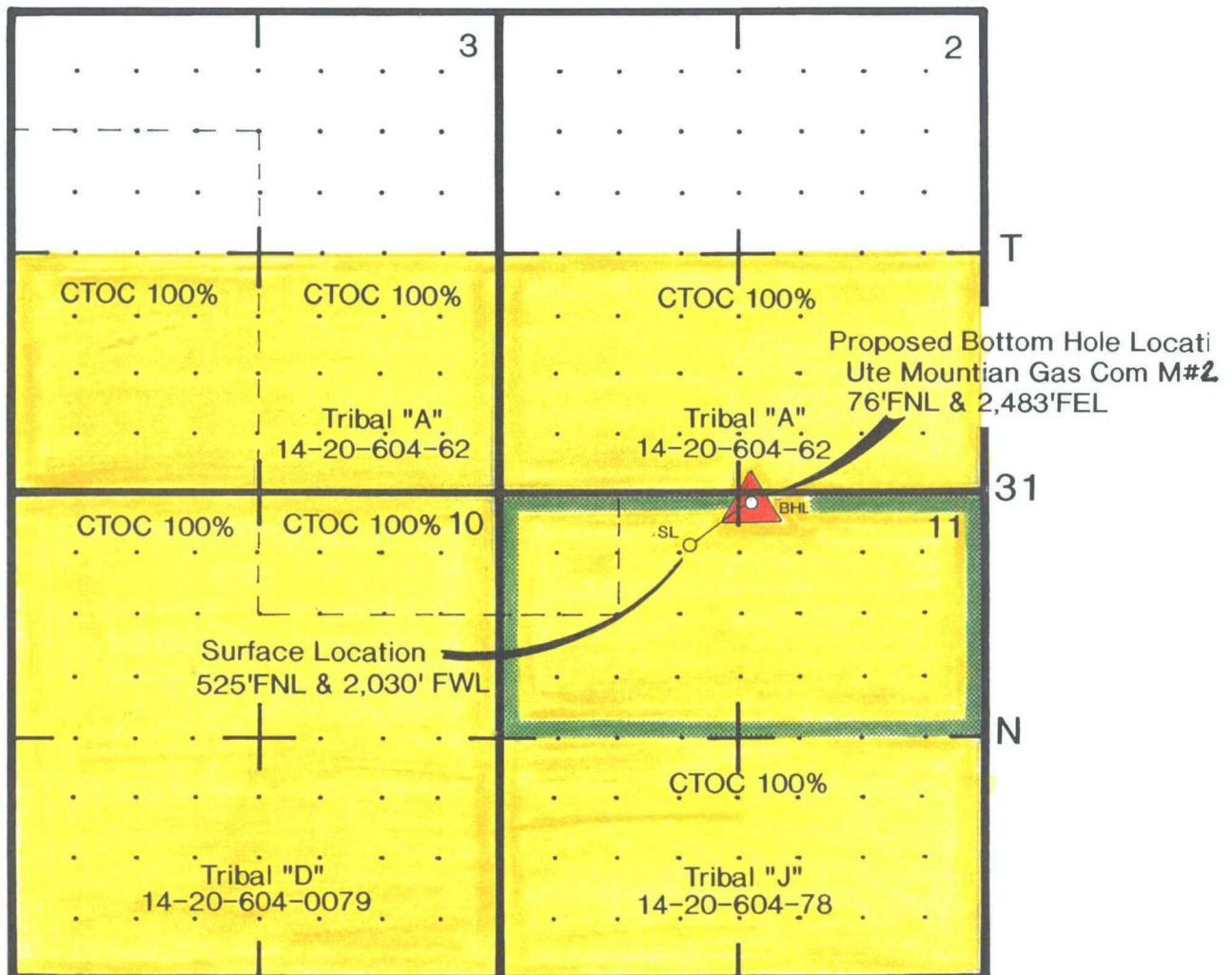
PROSPECT: N/2=320Acres Gas Spacing and Proration Unit. DATE: 12/19/2000

SECTIONS: 11 BLOCK: \_\_\_\_\_ SURVEY: \_\_\_\_\_

ACRES: \_\_\_\_\_ TOWNSHIP: 31-N RANGE: 14-W

SCALE: 1"=2,000'

R-14-W







## FAX TRANSMISSION

CROSS TIMBERS OIL COMPANY

810 Houston St.

Ft. Worth, TX 76102

(817) 870-2800

metro (817) 429-8854

Fax: (817) 885-2224

To: MR. Michael Stogner Date: 2/2/01  
N.M.O.C.O.

Fax #: (505) 476-3462 Pages: 9, including this cover sheet.

From: Tim Welch

Subject: Well Diagrams: Utc Indians # A-33  
~~Ute Indians # A-33~~

CONFIDENTIALITY NOTE: The documents accompanying this telefax transmission contain information belonging to Cross Timbers Oil Company and its affiliates that is confidential and legally privileged. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any examination, disclosure, copying or distribution of the contents of this telecopied information is strictly prohibited. If you have received this telefax in error, please immediately notify the person identified above by collect telephone call to arrange for return of the original documents at our expense.

COMMENTS: MR. Stogner: Pls. find Attached the  
info. you requested Re: our Application for  
Admin Approval As to the above two (2) wells.  
Thanks!  
Tim Welch



# CROSS TIMBERS OPERATING CO.

Structure : Ute Mountain Gas Com M No. 2

Slot : slot #1

Field :

Location : SAN JUAN COUNTY, NEW MEXICO



INTEQ

East (feet) --&gt;

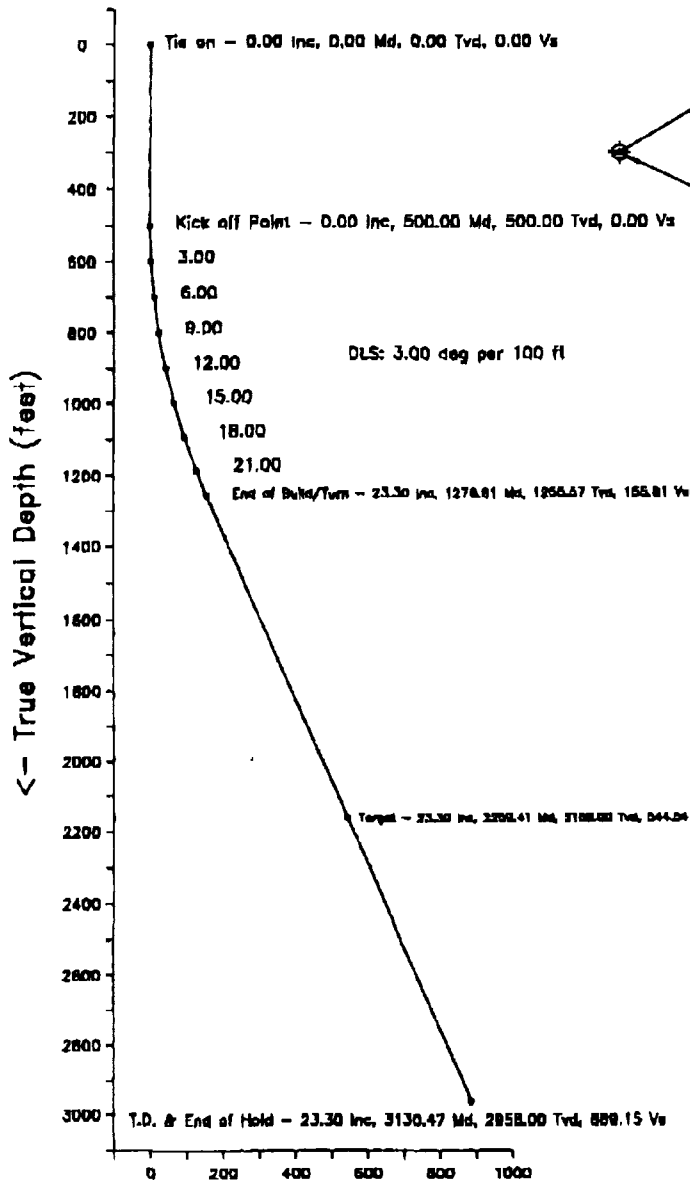
270 180 90 0 90 180 270 360 450 540 630 720 810

Page 1 of 4

Bottom Hole Location  
3130' MD, 2858' TWD  
76' FNL & 2797' FWL  
448' N & 767' E of Surface

Top of Dakota  
2259' MD, 2158' TWD  
250' FNL & 2500' FWL  
275' N & 470' E of Surface

Surface Location  
825' FNL & 2030' FWL  
Sec. 11, T31N, R14W  
San Juan County, New Mexico



## WELL PROFILE DATA

Field	MD	Inc	SR	TVD	Norm	East	V. Sect	Deg/100
Tie on	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00
End of Build/Turn	1278.81	23.30	58.87	1258.57	78.88	134.48	155.81	3.00
Target	3258.41	23.30	58.87	2158.00	276.08	478.00	844.94	0.00
T.D. & End of Hole	3130.47	23.30	58.87	2858.00	448.03	767.43	888.15	0.00



10-000-0000 (rev 0000)  
Magnetic North is 11.45 degrees East of True North  
To convert magnetic from magnetic to True add 11.45 deg

Created by planner  
Date plotted : 5-Dec-2000  
Plot Reference to 3 Deg GUL  
Coordinates are in test reference slot #1.  
True Vertical Depth are reference rotary tools.

— Baker Hughes INTEQ —

Vertical Section (feet) --&gt;

Azimuth 58.87 with reference 0.00 N, 0.00 E from slot #1

Page 2 of 4

CROSS TIMBERS OPERATING CO.  
Ute Mountain Gas Com M No. 2

slot #1

SAN JUAN COUNTY, NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : 3 Deg BUR  
Our ref : prop2586  
License :

Date printed : 12-Oct-2000  
Date created : 12-Oct-2000  
Last revised : 12-Oct-2000

Field is centred on 0.000,0.000,999.00000,N  
Structure is centred on n37 2 0.000,w108 10 0.000,3

Slot location is n37 2 0.000,w108 10 0.000  
Slot Grid coordinates are N 2195575.508, E 402703.940  
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

Page 3 of 4

CROSS TIMBERS OPERATING CO.				PROPOSAL LISTING				Page 1	
Ute Mountain Gas Com M No. 2,slot #1				Your ref : 3 Deg BUR					
,SAN JUAN COUNTY, NEW MEXICO				Last revised : 12-Oct-2000					
Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect			
0.00	0.00	0.00	0.00	0.00 N	0.00	0.00			
500.00	0.00	0.00	500.00	0.00 N	0.00	0.00			
600.00	3.00	59.67	599.95	1.32 N	3.00	2.62			
700.00	6.00	59.67	699.63	5.28 N	3.00	10.46			
800.00	9.00	59.67	798.77	11.87 N	3.00	23.51			
900.00	12.00	59.67	897.08	21.08 N	3.00	41.74			
1000.00	15.00	59.67	994.31	32.86 N	3.00	65.08			
1100.00	18.00	59.67	1090.18	47.21 N	3.00	93.48			
1200.00	21.00	59.67	1184.43	64.06 N	3.00	126.85			
1276.81	23.30	59.67	1255.57	78.69 N	3.00	155.81			
1500.00	23.30	59.67	1460.55	123.28 N	0.00	244.11			
2000.00	23.30	59.67	1919.76	223.17 N	0.00	441.92			
2259.41	23.30	59.67	2158.00	275.00 N	0.00	544.54			
2500.00	23.30	59.67	2378.97	323.07 N	0.00	639.72			
3000.00	23.30	59.67	2838.17	422.96 N	0.00	837.53			
3130.47	23.30	59.67	2958.00	449.03 N	0.00	889.15			

All data is in feet unless otherwise stated.  
 Coordinates from slot #1 and TVD from rotary table.  
 Bottom hole distance is 889.15 on azimuth 59.67 degrees from wellhead.  
 Vertical section is from N 0.00 E 0.00 on azimuth 59.67 degrees.  
 Calculation uses the minimum curvature method.  
 Presented by Baker Hughes INTEQ

Page 4 of 4

CROSS TIMBERS OPERATING CO.  
Ute Mountain Gas Com M No. 2, slot #1  
, SAN JUAN COUNTY, NEW MEXICO

PROPOSAL LISTING Page 2  
Your ref : 3 Deg BUR  
Last revised : 12-Oct-2000

Targets associated with this wellpath

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
		2158.00	275.00N 470.00E	12-Oct-2000

CMD : ONGARD 03/13/01 09:39:15  
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TQDE

OGRID Idn : 167067 API Well No: 30 45 30488 APD Status(A/C/P): A  
Opr Name, Addr: CROSS TIMBERS OPERATING COMPANY Aprvl/Cncl Date : 01-12-2001  
2700 FARMINGTON AVENUE  
BUILDING K, SUITE 1  
FARMINGTON,NM 87401

Prop Idn: 22843 UTE MOUNTAIN GAS COM M Well No: 2

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	C	11	31N	14W			FTG 525 F N	FTG 2030 F W
OCD U/L :	C		API County :	45				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F  
Lease typ(F/S/P/N/J/U/I): U Ground Level Elevation : 5826

State Lease No: Multiple Comp (S/M/C) : S  
Prpsd Depth : 2975 Prpsd Frmtn : UTE DOME DAKOTA

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

COUNTY San Juan POOL Ute Dome-Morrison

TOWNSHIP 31 North RANGE 14 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

Description:  $\frac{1}{2}$  and  $\frac{5}{8}$  Sec. 2 (R-71540, 2-26-01)



County San Juan Pool Ute Dome - Dakota

TOWNSHIP <u>31 North</u>			RANGE <u>14 West</u>			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) Ext. <sup>SE</sup> 1/4 Sec. 3 (R-11445, 9-5-00)

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-5739, 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)

County San Juan Pool Ute Dome - Dakota

TOWNSHIP <u>32 North</u>			RANGE <u>14 West</u>			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. 35 & 36 (R-13, 3-15-50)

Ext: E $\frac{1}{2}$  Sec 25 (R-4690, 12-1-73) Ext: S $\frac{1}{2}$  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)

**Cross Timbers Oil Company**

**To: Mr. Michael E. Stogner**  
**New Mexico Oil Conservation Division**

**VIA FAX (505) 476-3462**

**From: Tim Welch**  
**Cross Timbers Oil Company**

**Date: February 12, 2001**

**Re: Administrative Applications**  
**Ute Indians A #33 well (12/11/00)**  
**Mountain Ute Gas Com N #2 well (12/11/00)**  
**Ute Mountain Gas Com M # 2 well (12/27/00)**

---

Dear Mr. Stogner:

When you have time, it would be greatly appreciated if you could check on the status of these three (3) applications. Any help you could provide would be greatly appreciated.

Thanks again for you help in this matter.

Tim Welch  
Senior Landman  
Cross Timbers Oil Company  
Fax (817) 885-2224  
Telephone (817) 885-2661



**Cross Timbers Oil Company**

**To: Mr. Michael E. Stogner  
New Mexico Oil Conservation Division**

**Via Fax (505) 476-3462**

**From: Tim Welch  
Cross Timbers Oil Company**

**Date: March 1, 2001**

**Re: Administrative Applications  
Ute Mountain Gas Com M #2 well (12/27/00)**

---

Dear Mr. Stogner:

When you have time, it would be greatly appreciated if you would check on the status of the captioned application. Thanks for your help in this matter.

Tim Welch  
Senior Landman  
Cross Timbers Oil Company  
(817) 885-2661  
Fax (817) 885-2224

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

03/13/01 09:38:37  
OGOMES -TQDE  
PAGE NO: 1

Sec : 11 Twp : 31N Rng : 14W Section Type : NORMAL

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

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

03/13/01 09:38:44  
OGOMES -TQDE  
PAGE NO: 2

Sec : 11 Twp : 31N Rng : 14W Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Indian owned	Indian owned	Indian owned	Indian owned
A			
M 40.00	N 40.00	O 40.00	P 40.00
Indian owned	Indian owned	Indian owned	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 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) Ext. <sup>SE</sup>/<sub>4</sub> Sec. 3 (R-11445, 9-5-00)

COUNTY *San Juan* POOL *Ute Dome - Dakota*

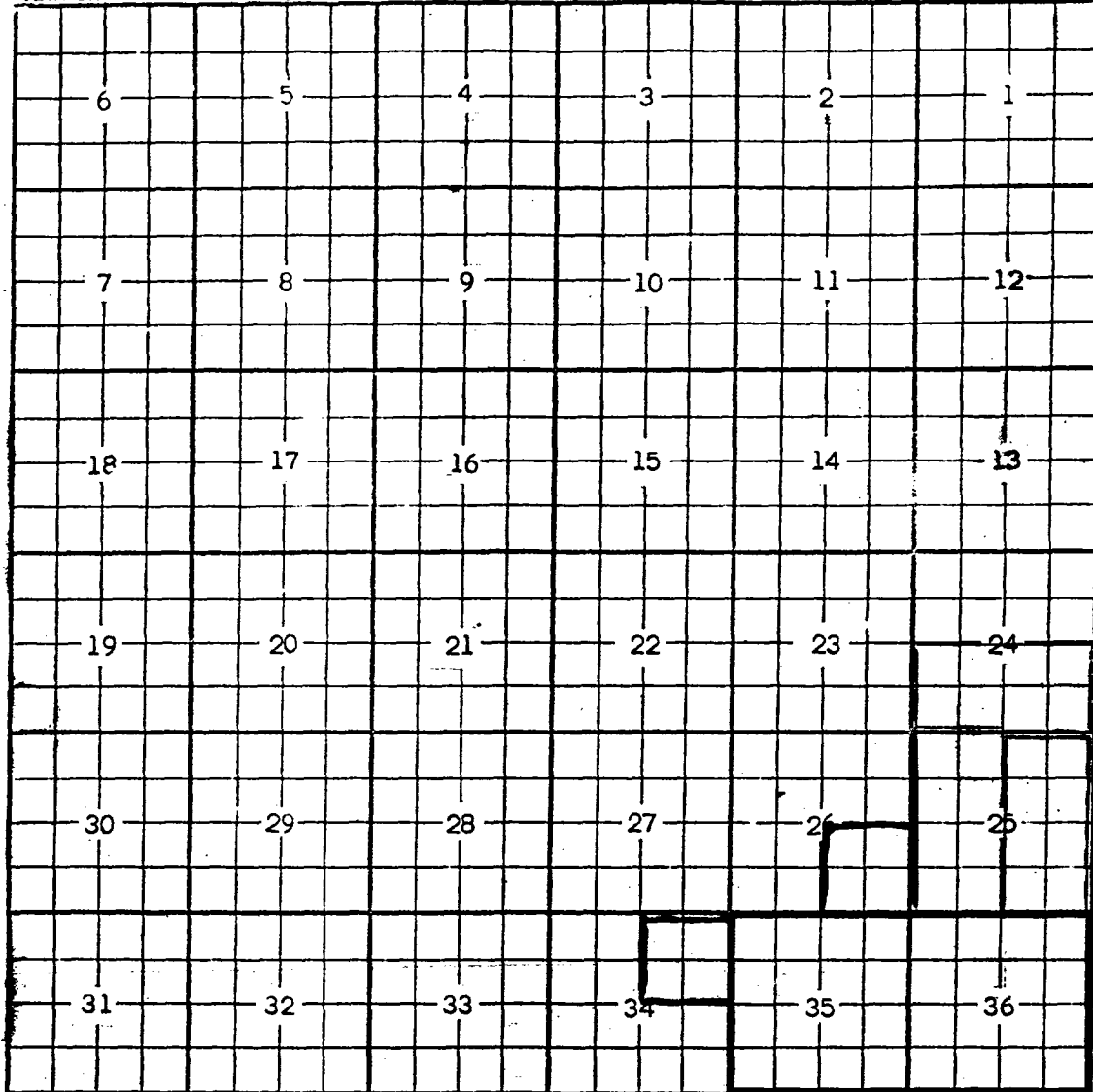
TOWNSHIP *32 North* RANGE *13 West* NMPM

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)

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:  $\frac{E}{2}$  Sec 25 (R-4690, 12-1-73) Ext:  $\frac{S}{2}$  Sec 24 (R-5779, 8-1-78)  
Ext:  $\frac{W}{2}$  Sec. 25 (R-6327, 5-1-80) Ext:  $\frac{SE}{4}$  sec 26,  $\frac{NE}{4}$  sec 34,  
(R-6886, 1-22-82)

COUNTY San Juan POOL Ute Dome-Morrison

TOWNSHIP 31 North RANGE 14 West NMPM

A 6x6 grid with numbers 1-36. The numbers are arranged in a boustrophedon pattern: Row 1 (right to left): 1, 2, 3, 4, 5, 6; Row 2 (left to right): 7, 8, 9, 10, 11, 12; Row 3 (right to left): 13, 14, 15, 16, 17, 18; Row 4 (left to right): 19, 20, 21, 22, 23, 24; Row 5 (right to left): 25, 26, 27, 28, 29, 30; Row 6 (left to right): 31, 32, 33, 34, 35, 36. A 2x2 block of cells is empty in the top right corner, corresponding to positions 1, 2, 3, and 4.

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