

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on
reverse side)

Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER ☐

2. NAME OF OPERATOR

MITCHELL ENERGY CORPORATION

3. ADDRESS OF OPERATOR

555 Seventeenth Street Suite #3500
Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

352' FNL, 1881' FEL, Sec. 14, T31N-R5W

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

± 59 miles from Blanco, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

13. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4000'

20. ROTARY OR CABLE TOOL

ROTARY

21. ELEVATIONS (Show whether D.F., RT., GR., etc.)

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# K-55	500'	350' sxs - circ to surface
7-7/8"	5-1/2"	15.5# K-55	4000'	700 sxs - est TOC @ 350'

The operator proposes to drill to depth sufficient to test the Fruitland Formation. If productive, 5-1/2" casing will be run and set at +4000'. If non-productive, the well will be plugged and abandoned consistent with Federal Regulations. Any zones above the Fruitland may be tested for productivity prior to Abandonment.

EXHIBITS ATTACHED

Ten Point Compliance Program

Surface Use and Operating Plan

Exhibit No. 1 Proposed Cementing Program

Exhibit No. 2 Blowout Preventer Schematic

Exhibit No. 3 Location Elevation Plat (Form C-102)

Exhibit No. 4 One Mile Radius Map (includes existing & planned roads, sites, pipelines, and other facilities)

Exhibit No. 5 Production Facilities Layout

Exhibit No. 6 Drilling Rig Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED James C. Anderson

TITLE DISTRICT PRODUCTION MANAGER

DATE 6/20/91

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED
AS AMENDED

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

AUG 26 1991
AREA MANAGER

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED EXHIBIT NO. 3
Page 1 of 2

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

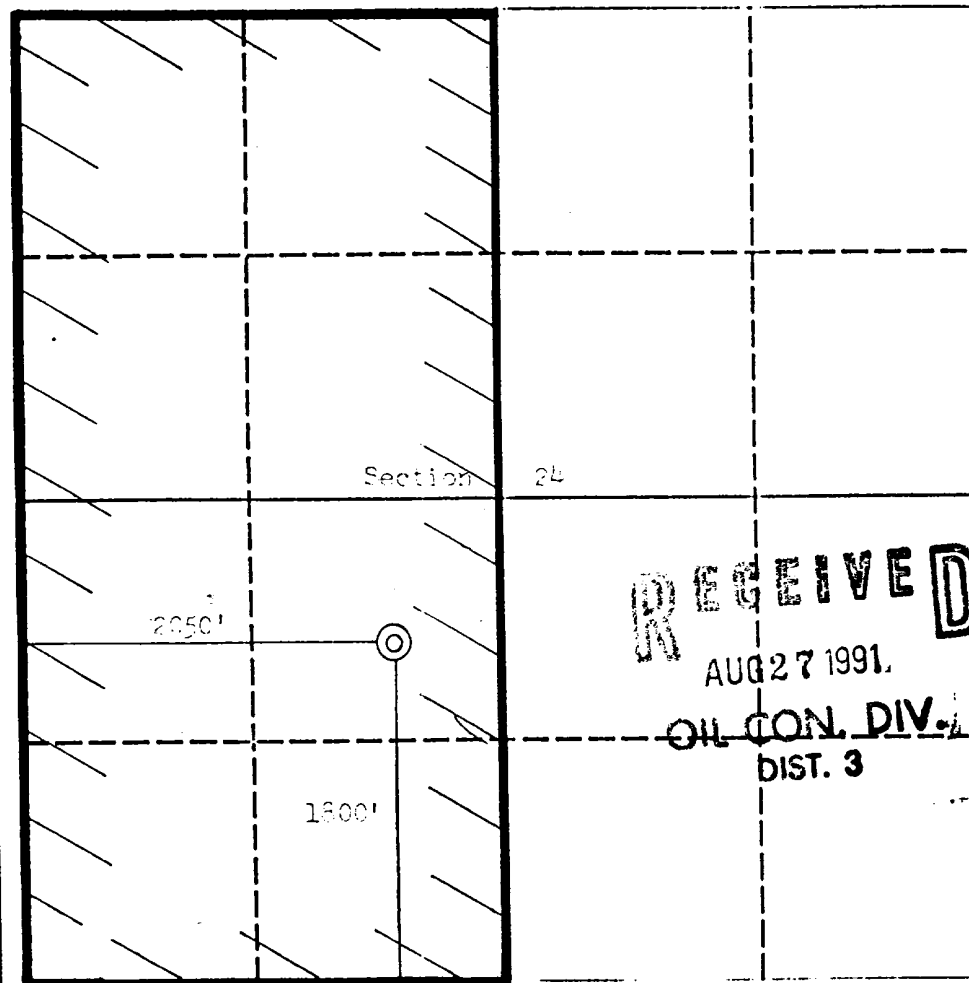
All Distances must be from the outer boundaries of the section

91 JUN 24 PM 1:51

DISTRICT 3

Operator Mitchell Energy Corporation			Lease Rosa Unit		Well No. 324
Unit Letter K	Section 24	Township 31 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 1800 feet from the South line and 2050 feet from the West line					
Ground level Elev. 6612	Producing Formation Fruitland		Basin Fruitland Coal		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
James C. Anderson
Printed Name
James C. Anderson
Position
Dist. Prod. Mgr.
Company
Mitchell Energy Corp.
Date
5/20/91

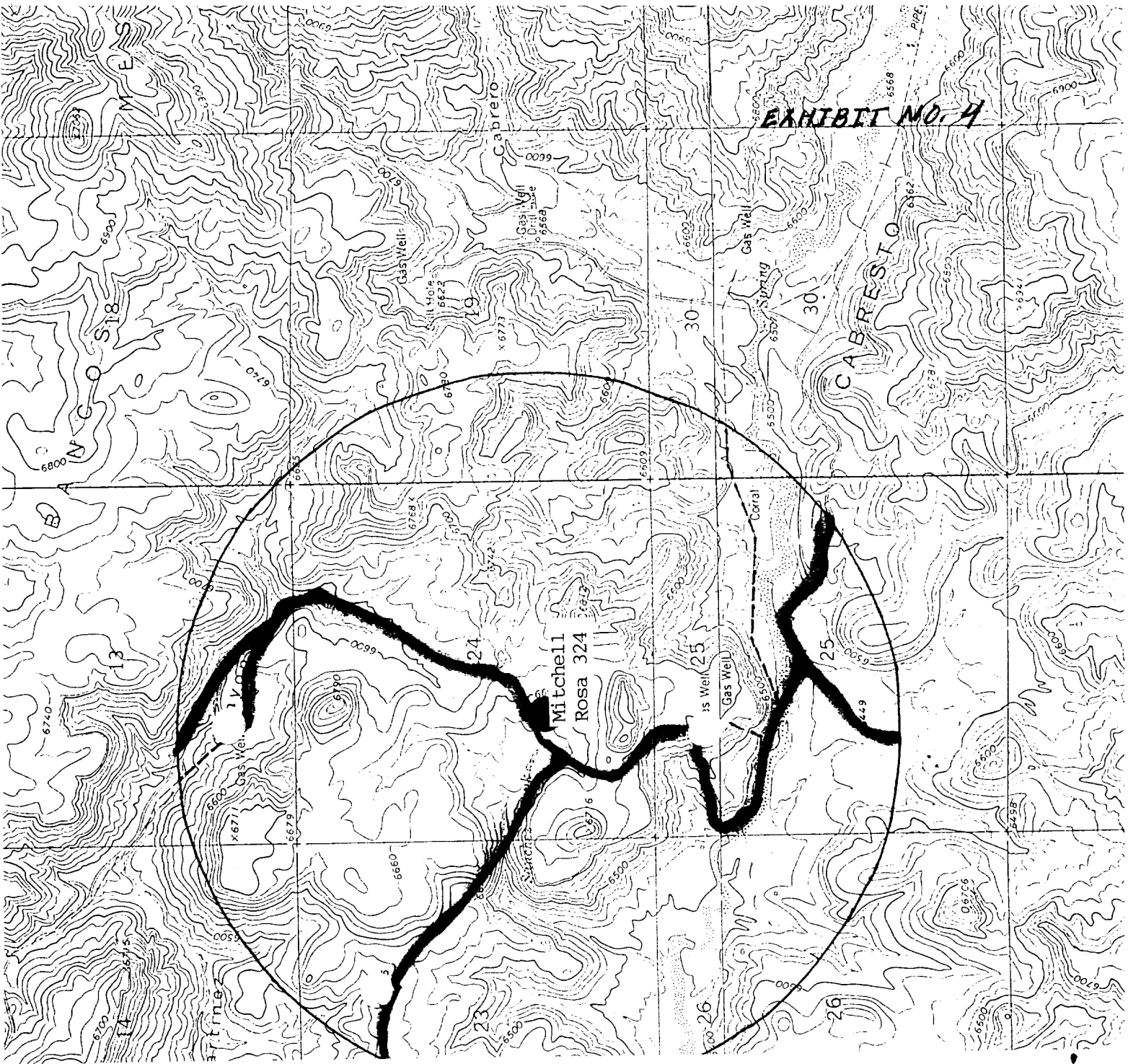
SURVEYOR CERTIFICATION

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 knowledge and belief.

Date Surveyed
APR 25 1991
Signature & Seal of Professional Surveyor
Richard L. Sinkiewicz
11225
REGISTERED PROFESSIONAL SURVEYOR

Certificate No. 11225
Richard L. Sinkiewicz

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0





STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

August 22, 1991

BRUCE KING
GOVERNOR

Mitchell Energy Corporation
c/o Trigon Engineering, Inc.
4100 East Main Street
Farmington, New Mexico 87402

Attention: Cristi Cline

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

RECEIVED
AUG 26 1991
OIL CON. DIV.
DIST. 3

Administrative Order NSL-3041

Dear Ms. Cline

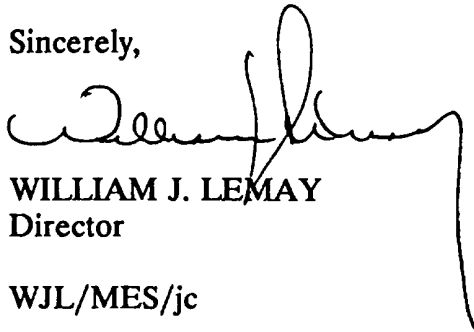
Reference is made to your applications of July/August 1991 on behalf of Mitchell Energy Corporation for exceptions to RULE 7 of the Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool as promulgated by Division Order No. R-8768, as amended allowing for the following described 10 unorthodox coal gas well locations within the Rosa Unit Area, Basin-Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico.

WELL NO.	FOOTAGE LOCATION	U-S-T-R	DEDICATED ACREAGE
314	1810' FNL - 2010' FEL	B-30-31N-4W	E/2 (320 Acres)
✓ 318	790' FSL - 2200' FWL	N-13-31N-5W	W/2 (320 Areas)
✓ 319	352' FNL - 1881' FEL	B-14-31N-5W	E/2 (320 Acres)
✓ 324	1800' FSL - 2050' FWL	K-24-31N-5W	W/2 (320 Acres)
345	110' FSL - 1622' FWL	N-19-31N-4W	Lots 3 & 4, E/2 SW/4, SE/4 (306.71 Acres)
352	1345' FNL - 1935' FEL	B-5-31N-4W	Lots 1 & 2, S/2 NE/4, SE/4 (326.47 Acres)
✓ 356	771' FSL - 1746' FEL	O-11-31N-5W	E/2 (320 Acres)
357	1835' FNL - 587' FWL	E-11-31N-5W	W/2 (320 Acres)
358	915' FSL - 600' FEL	P-13-31N-5W	E/2 (320 Acres)
359	2500' FSL - 1625' FEL	J-23-31N-5W	S/2 (320 Acres)

Administrative Order NSL-3041
Mitchell Energy Corporation
August 22, 1991
Page 2

By authority granted me under the provisions of Rule 8 of the Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool as promulgated by Division Order No. R-8768, as amended, the above-described unorthodox coal gas well locations are hereby approved.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. Lemay', with a long horizontal stroke extending to the right.

WILLIAM J. LEMAY
Director

WJL/MES/jc

cc: Oil Conservation Division - Aztec •
U.S. Bureau of Land Management - Farmington
U.S. Forest Service - Blanco



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: August 2, 1991

18774:
E. M. Stogner

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: Proposed MC _____
Proposed NSL X _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on August 2, 1991
for the Mitchell Energy Corp. Rosa Unit #324
OPERATOR LEASE & WELL NO.

K-24-31N-5W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

Ernie Bruch



July 31, 1991

William J. LeMay, Director
State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
Post Office Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

**Re: Unorthodox Location Waiver
Mitchell Energy Corporation Rosa Unit #324
Meridian Oil Gathering, Inc. - Rosa Unit Operator**

Dear Mr. LeMay:

We are submitting an Unorthodox Location Application for the Mitchell Energy Corp. Rosa Unit Well No. 324. Meridian Oil Gathering, Inc., as Operator of the Rosa Unit wells, will receive a copy of the application for approval of the location. The factors determining the location of the site are detailed in the attached package.

If there are no objections to the location, the waiver below will be signed by a representative of Meridian Oil Gathering, Inc.

Thank you for your cooperation.

Sincerely,

TRIGON ENGINEERING, INC.

Cristi Cline
Senior Right-of-Way Agent

Attachment

RECEIVED
AUG 2 1991
OIL CON. DIV.
DIST. 3

WAIVER

_____ hereby waives objection to Mitchell Energy Corporation's application for an unorthodox location for Rosa Unit Well No. 324.

BY: _____
TITLE: _____
Meridian Oil Gathering, Inc.
Operator, Rosa Unit

DATE _____

**UNORTHODOX LOCATION APPLICATION
MITCHELL ENERGY CORPORATION
ROSA UNIT WELL NO. 324
Basin Fruitland Coal**

SITE LOCATION:

Township 31 North, Range 5 West
Section 24: NESW
1800' FSL, 2050' FWL

FACTORS DETERMINING UNORTHODOX LOCATION:

The site for the Mitchell Energy Corporation Rosa Unit Well No. 324 has been chosen in an unorthodox location due to rough terrain and concerns of the Forest Service regarding wildlife. At the request of the Forest Service, the site was located at the edge of a sagebrush slope rather than toward the center (which would be more standard) to prevent disturbance to the wildlife using the sagebrush slope. Also, by locating the site at the edge of the sagebrush slope, we can use Forest Service Road 309 as the northwest boundary of the wellpad - thus making it unnecessary to build additional access road which would cause disturbance to the terrain and wildlife.

A location to the south and west of the chosen location was considered, but due to the presence of several large washes, this site was determined to be unfeasible.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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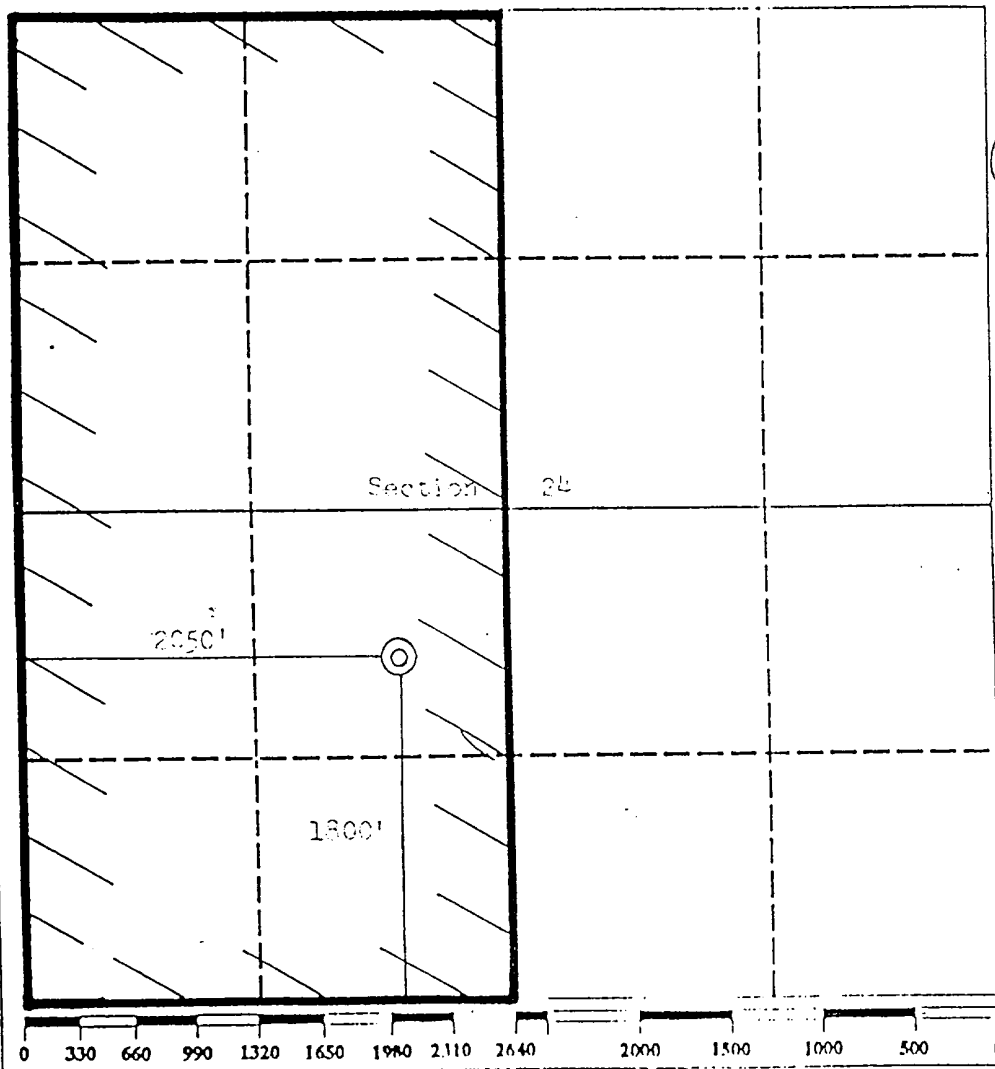
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Mitchell Energy Corporation			Lease Rosa Unit		Well No. 324
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OPERATOR CERTIFICATION

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

Signature
James C. Anderson
Printed Name
James C. Anderson
Position
Dist. Prod. Mgr.
Company
Mitchell Energy Corp.
Date
5/20/91

SURVEYOR CERTIFICATION

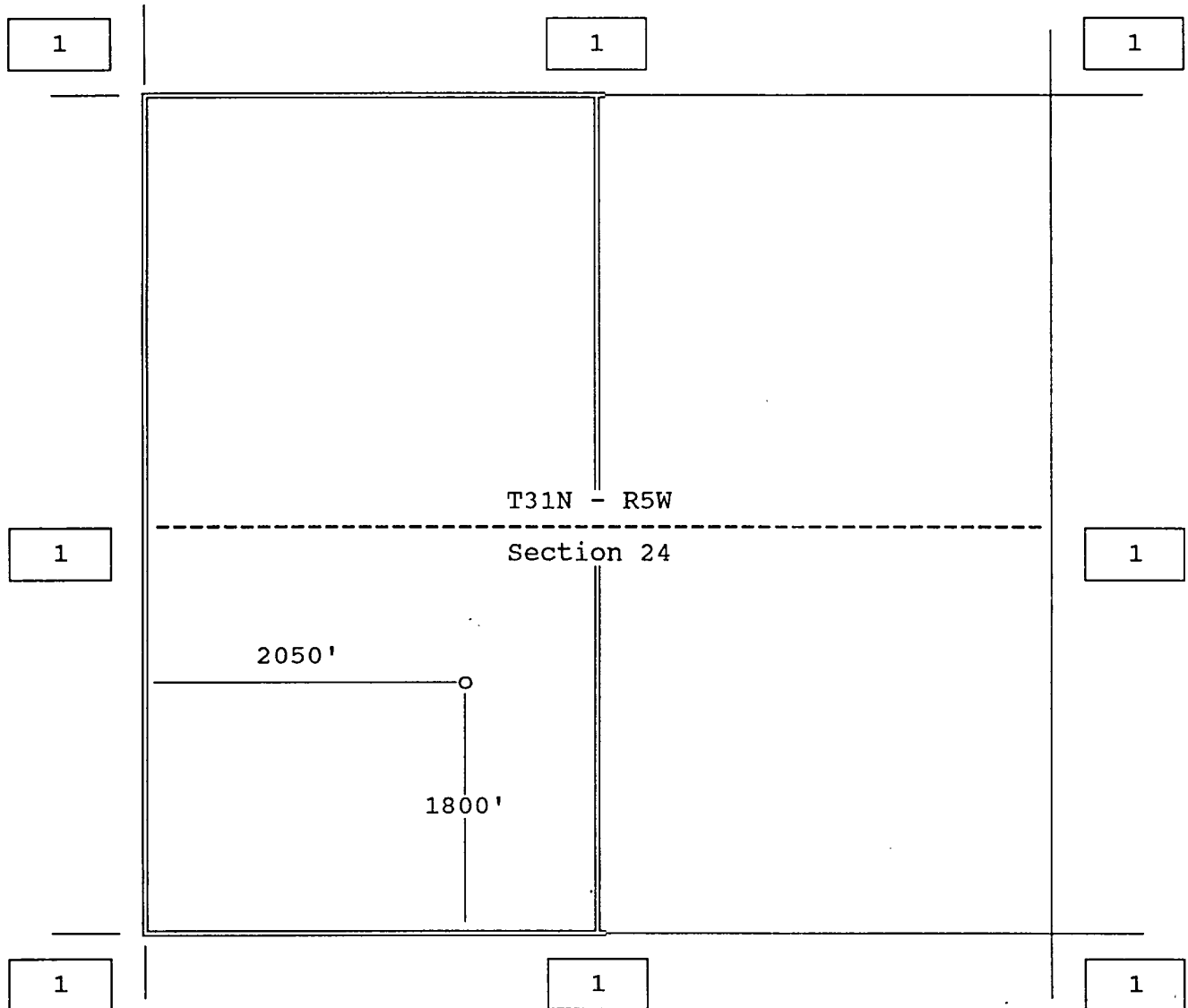
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
APR 14 2001
Signature & Seal of Professional Surveyor
11225
REGISTERED PROFESSIONAL SURVEYOR

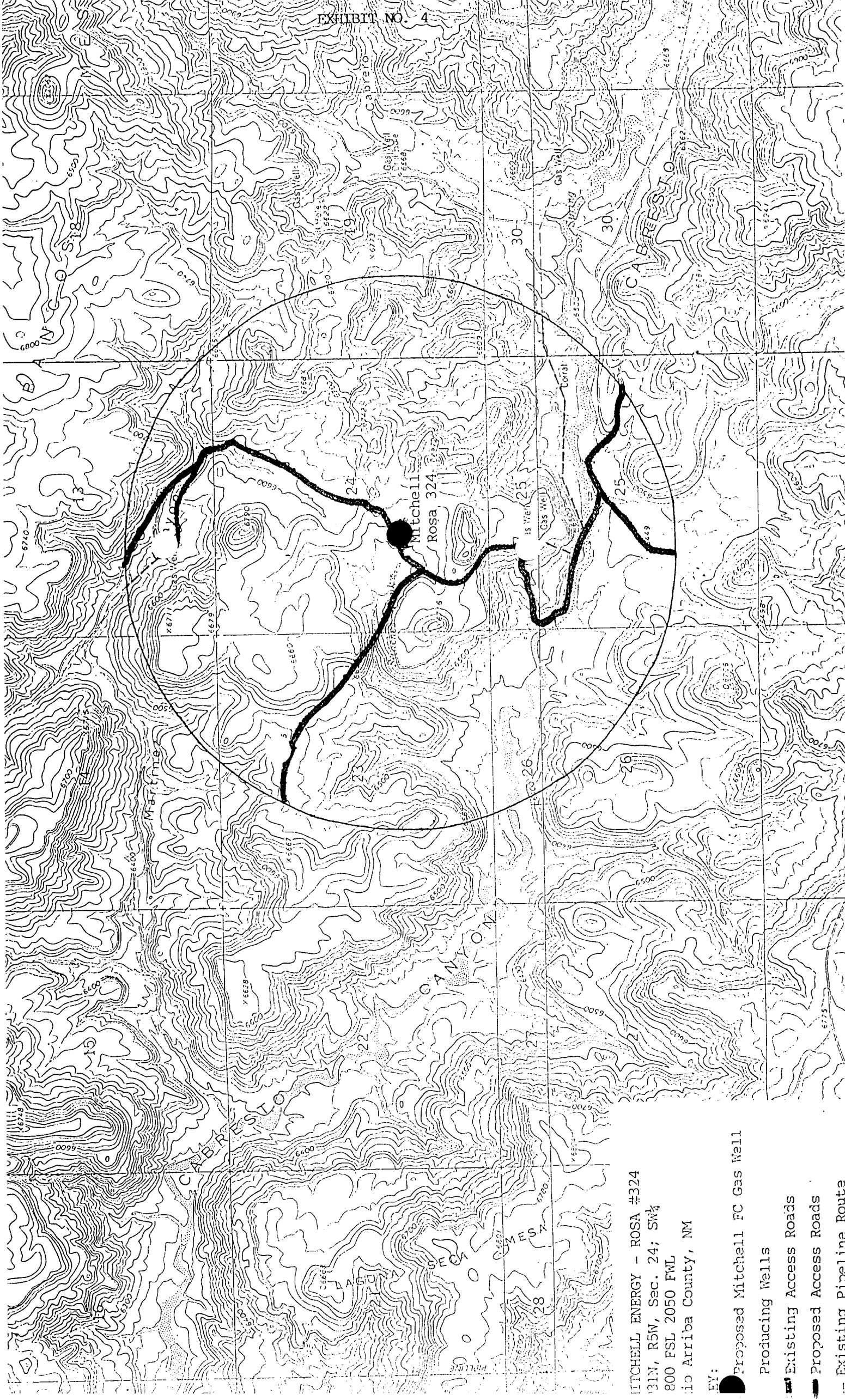
Certificate No. 11225
Richard L. Sinkiewicz

ROSA UNIT OWNERSHIP PLAT

Mitchell Energy Corporation
Rosa Unit Well No. 324



1. Offset Owner - Meridian Oil Gathering, Inc.
Operator of the Rosa Unit



MITCHELL ENERGY - ROSA #324
31N, R5W, Sec. 24; SW¼
800 FSL 2050 FWL
in Arriba County, NM

BY:

Proposed Mitchell FC Gas Well

Producing Wells

Existing Access Roads

Proposed Access Roads

Existing Pipeline Route

ENLARGED TOPOGRAPHICAL MAP
SECTION 24, T31N-R5W
MITCHELL ROSA UNIT WELL NO. 324

The map displays a topographic representation of Section 24, T31N-R5W. It features a grid system with section numbers 22, 23, 24, 25, 26, 27, 28, 29, and 30. Contour lines indicate elevation, with labels such as 6400, 6500, 6600, 6700, and 6800. Key features include 'CANYON' (labeled in multiple locations), 'Gas Well' (labeled in multiple locations), and 'Corral' (labeled in multiple locations). The map also shows various spot elevations and a network of roads or trails.

ENLARGED TOPOGRAPHICAL MAP
SECTION 24, T31N-R5W
MITCHELL ROSA UNIT WELL NO. 324

The map displays a topographic representation of Section 24, T31N-R5W. Key features include:

- Grid System:** A coordinate grid is overlaid on the map, with section numbers 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821,

