

COUNTY Eddy POOL Loving-Delaware

TOWNSHIP 23 South RANGE 28 East NMFM

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

Ex+: All Sec. 31 (R-2285, 1-12-85)

TOWNSHIP 24 South, RANGE 27 East, NEW MEXICO PRINCIPAL MERIDIAN

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a 6x6 grid, with the top row containing numbers 1 through 6, the second row 7 through 12, the third row 13 through 18, the fourth row 19 through 24, the fifth row 25 through 30, and the sixth row 31 through 36. A 2x2 square is drawn in the top right corner, covering the cells containing numbers 1, 2, 5, and 6.

P.F.:

DES: ^{SN}/4 Sec. 1. (R-13976-1-59).

Ext. 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 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, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 8

COUNTY Eddy POOL Loving-Delaware

TOWNSHIP 24 South RANGE 28 East NMPM

	•	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: 1/2 Sec. 6 (A-2288, 1-12-85)



COUNTY EDDY

POOL EAST LOVING - DELAWARE

TOWNSHIP 23 SOUTH RANGE 28 EAST

NMPM

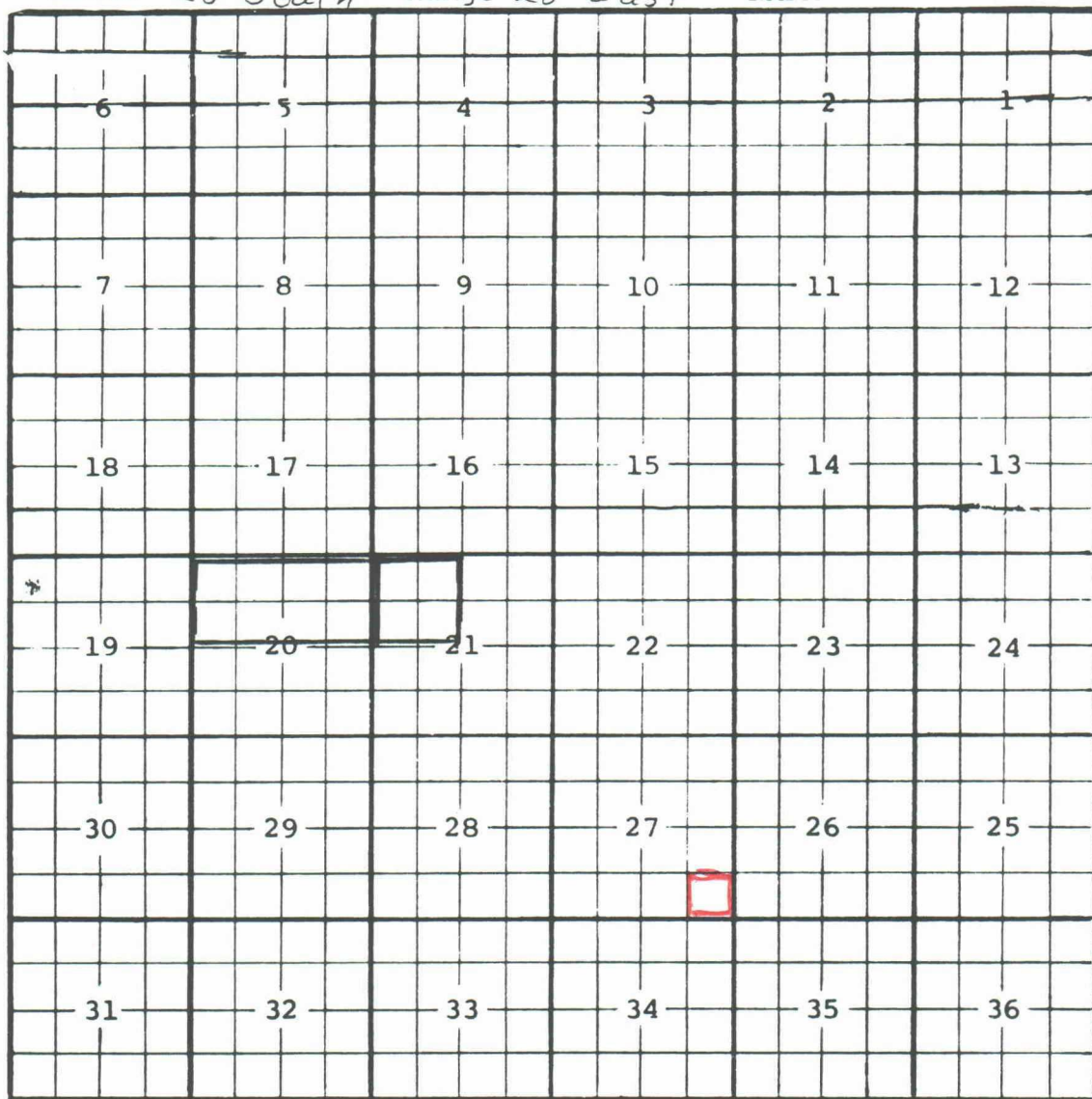
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

A 6x6 grid of sections. Section 23 is outlined in black. Section 27 contains a small red square.

DESCRIPTION: SW $\frac{1}{4}$ SEC. 23 (R-8562 12/4/97)

County Eddy Pool South Loving - Delaware

TOWNSHIP 23 South Range 28 East NMPM



Description: NW 1/4 Sec. 21 (R-7437, 2-6-84)

Ext: N 1/2 Sec. 20 (R-8317, 10-9-86)

SECTION II

R. W. Bryan & Co., Jan. 1981

(SOUTH HOPE-PENNSYLVANIAN GAS (FORMERLY SOUTH HOPE-STRAWN GAS POOL) RULES RESCINDED) POOL - Cont'd.

(2) That the applicant, Petroleum Development Corporation, seeks the rescission of the special pool rules for the South Hope-Pennsylvanian Gas Pool to provide for 320-acre spacing rather than 640 acres.

(3) That by Order No. R-2598, dated October 30, 1963, temporary special rules and regulations were promulgated for the South Hope-Strawn Gas Pool, Eddy County, New Mexico, establishing temporary 640-acre spacing units.

(4) That Order No. R-3662 redesignated said pool as the South Hope-Pennsylvanian Gas Pool effective February 1, 1965.

(5) That by Order No. R-2598-A, dated February 9, 1970, the temporary pool rules for the South Hope-Pennsylvanian Gas Pool were made permanent.

(6) That all producing wells in the South Hope-Pennsylvanian Gas Pool were depleted and the pool abandoned prior to the end of 1972.

(7) That the applicant in this case proposes further exploration and development in the subject pool based on 320-acre spacing rather than the present 640-acre spacing, and the legal notice given for this case stated that in the absence of objection, the 640-acre pool rules would be rescinded and the pool placed on standard 320-acre spacing for Pennsylvanian gas pools rather than the present 640-acre spacing.

(8) That no objection to the rescission of said pool rules was received at the hearing, and the pool rules should be rescinded.

(9) That such rescission will not impair correlative rights nor cause waste, but in fact may prevent waste by causing the recovery of gas which otherwise would not be recovered.

IT IS THEREFORE ORDERED:
(1) That the special pool rules for the South Hope-Pennsylvanian Gas Pool in Eddy County, New Mexico, as promulgated by Order No. R-2598 and made permanent by Order No. R-2598-A, are hereby rescinded.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein above designated.

SOUTH CULEBRA BLUFF-BONE SPRING POOL

Eddy County, New Mexico

Order No. R-6139, Creating and Adopting Temporary Operating Rules for the South Culebra Bluff-Bone Spring Pool, Eddy County, New Mexico, October 12, 1978.

Order No. R-6139-A, December 17, 1980, makes permanent the rules adopted in Order No. R-6139.

Application of Delta Drilling Company for Pool Creation and Special Pool Rules, Eddy County, New Mexico.

CASE NO. 6668
Order No. R-6139

ORDER OF THE DIVISION

BY THE DIVISION: This cause came on for hearing at 9 a.m. on September 19, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of October, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Delta Drilling Company, seeks the creation of a special pool for Bone Spring production for its South Culebra Bluff Unit Well No. 3, located in Unit G of Section 23, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico, and the promulgation of special rules and regulations therefor, including a provision for 80-acre spacing and protection units.

(3) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 80-acre spacing units should be promulgated for the South Culebra Bluff-Bone Spring Pool.

(4) That the temporary special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.

(5) That the temporary special rules and regulations should be established in such a manner as to allow the operations in the subject pool to gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.

(6) That this case should be reopened at an examiner hearing in October, 1980, at which time the operations in the subject pool should be reviewed and operations in the subject pool should be reviewed to appear to be developed on 40-acre spacing units.

R. W. Bryan & Co., Mar. 1981

SECTION II

New Mexico Page 481

(SOUTH CULEBRA BLUFF-BONE SPRING POOL - Cont'd.)

IT IS THEREFORE ORDERED:

(1) That a new oil pool for Bone Spring production is hereby created and designated as the South Culebra Bluff-Bone Spring Pool, with vertical limits comprising the Bone Spring formation and natural limits comprising the following described area in Eddy County, New Mexico:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 23, NE/4

(2) That temporary Special Rules and Regulations for the South Culebra Bluff-Bone Spring Pool, Eddy County, New Mexico, are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS

FOR THE SOUTH CULEBRA BLUFF-BONE SPRING POOL

RULE 1. Each well completed or recompleted in the South Culebra Bluff-Bone Spring Pool or in the Bone Spring formation within one mile thereof shall be spaced from any other well or another designated Bone Spring oil pool, shall be spaced drilled, operated, and produced in accordance with the special rules and regulations hereinafter set forth.

RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a governmental quarter section.

RULE 3. The Director of the Division may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit comprising a governmental quarter-quarter section or lot, or the local unit shall be a part of the State is due to a variation in the boundaries of the State or the boundaries of the County. All operators effecting the proposed non-standard unit, and the application shall state that such notice has been furnished. The Division Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Director has received the application.

RULE 4. Each well shall be located within 150 feet of the center of either governmental quarter-quarter section or lot dedicated to the well.

RULE 5. The Division Director may grant an exception to the footage requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators effecting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all offset operators effecting the proposed location or if no offset operator has entered an objection to the unorthodox location has been entered within 20 days after the Director has received the application.

RULE 6. A standard protection unit (79 through 81 acres) shall be subject to an 80-acre depth bracket allowable of 222 barrels of oil per day. The allowable assigned to a non-standard unit shall be based on the same ratio to a standard allowable as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

(1) That the locations of all wells presently drilling to or completed in the South Culebra Bluff-Bone Spring Pool or in the Bone Spring formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Acreage District Office of the Division in writing of the name and location of the well on or before November 1, 1979.

(2) That, pursuant to Paragraph A of Section 70-218, NMSA 1978, contained in Chapter 271, Laws of 1969, existing wells in the South Culebra Bluff-Bone Spring Pool shall have dedicated thereon 80 acres in accordance with the foregoing pool rules; or, in the absence of said Section 70-218, existing wells may have a non-standard unit of 80 acres or more established by the Division and dedicated thereto.

Failure to file new Forms C-102 with the Division dedicating 80 acres to a well or to obtain a non-standard unit approved by the Division within 60 days from the date of this order shall subject the well to cancellation of allowable. Unit said Form C-102 shall be filed with the Division and the operator shall be approved, and subject to an 80-day limitation, has been presently drilling to or completed in the South Culebra Bluff-Bone Spring Pool or in the Bone Spring formation within one mile thereof shall receive no more than one-half of a standard allowable for the pool.

(3) That this case shall be reopened at an examiner hearing in October, 1980, at which time the operations in the subject pool may appear and show cause why the South Culebra Bluff-Bone Spring Pool should not be developed on 40-acre spacing units.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein above designated.

LUSK-MORROW GAS POOL

(Order R-6197)
Eddy and Lea Counties, New Mexico

Order No. R-6197, Making Operating Rules Applicable to Certain Areas and Amending Rule 1 for the Lusk-Morrow Gas Pool, Eddy and Lea Counties, New Mexico, November 28, 1979.

See separate Order No. R-2373, November 21, 1982, for rules governing Lusk-Morrow Gas Pool.

Application of Petroleum Development Corporation to Limit 640-Acre Spacing, Eddy and Lea Counties, New Mexico.

ORDER OF THE DIVISION

BY THE DIVISION: This cause came on for hearing at 9 a.m. on November 4, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

County EDDY POOL SOUTH CULEBRA BLUFF - BONE SPRING

TOWNSHIP 23 SOUTH Range 28 EAST 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: NE $\frac{1}{4}$ Sec. 23 (R-6189, 11-1-79)

Ext: NE $\frac{1}{4}$ Sec 22, NW $\frac{1}{4}$ Sec 23 (R-6328, 5-1-80)

Ext: $\frac{5}{8}$ NW $\frac{1}{4}$ Sec. 24 + NW $\frac{1}{2}$ $\frac{5}{8}$ Sec. 24 (R-6476-10, 1-80)

Ext: All Secs 2 & 11; All Secs 13 & 14; $\frac{5}{8}$ Sec 23; N $\frac{1}{2}$ N $\frac{1}{2}$, $\frac{5}{8}$ NE $\frac{1}{4}$, and $\frac{5}{8}$ $\frac{5}{8}$ Sec 24. (R-6542, 1-1-81)

Ext: NW $\frac{1}{4}$ Sec 26 and $\frac{5}{8}$ NE $\frac{1}{4}$ Sec 27 (R-6623, 4-7-81)

Ext: N $\frac{1}{2}$ NE $\frac{1}{4}$ sec 27 (R-6724, 7-16-81) Ext: N $\frac{1}{2}$ SW $\frac{1}{4}$ & NW $\frac{1}{4}$ sec 25, NE $\frac{1}{4}$ & $\frac{5}{8}$ sec 26, $\frac{5}{8}$ SE $\frac{1}{4}$ sec 27 (R-6876, 1-22-82)

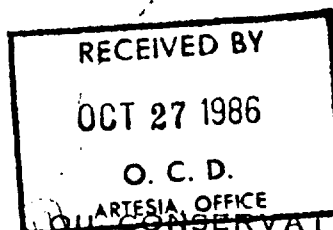
Ext: $\frac{5}{8}$ SW $\frac{1}{4}$ sec 25, SW $\frac{1}{4}$ sec 27 (R-6912, 3-5-82)

Ext: $\frac{5}{8}$ Sec. 25 (R-7131, 11-30-82) Ext: NW $\frac{1}{4}$ Sec. 27 (R-7248, 2-30-83)

Ext: All Secs. 15 and 16 (R-7351, 9-19-83)

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
OPERATOR	
PRODUCTION OFFICE	



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
PARKER & PARSLEY PETROLEUM COMPANY

Address
P.O. BOX 3178, MIDLAND, TEXAS, 79702

Reason(s) for filing (Check proper box)

☐ New Well	Change in Transporter of:	☐ Dry Gas
☐ Recompletion	☐ Oil	☐ Condensate
☒ Change in Ownership	☐ Casinghead Gas	

Other (Please explain)
Effective 11-1-86

If change of ownership give name and address of previous owner **MADDOX ENERGY CORPORATION, 200 CRESCENT COURT, STE.1610 DALLAS TEXAS, 75201**

II. DESCRIPTION OF WELL AND LEASE

Lessee Name Pardue Farms 27 Btry1	Well No. 4	Pool Name, including Formation S Culebra Bluff Bone Spgs	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter P ; 660 Feet From The South Line and 660 Feet From The East Line of Section 27 Township 23S Range 28E , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Permian Corproation	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1183, Houston, Texas, 77001
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ EL PASO NATURAL GAS CO.	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1492, El Paso, Texas, 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	H 27 23S 28E Yes 9/26/81

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

(Signature) **E Bradford Mantz**
Agent
(Title)
11/1/86
(Date) **0/1/86**

OIL CONSERVATION DIVISION

APPROVED **DEC 30 1986**
BY
TITLE **SUPERVISOR, DISTRICT II**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-70

RECEIVED

OCT 16 1981

O. C. D.
ARTSIA, OFFICE

NO. OF COPIES	1
DISTRICT	1
SANTA FE	1
FILE	1
U.S.D.	1
LAND OFFICE	1
TRANSPORTER	1
OPERATION	1
FORMATION OFFICE	1
Geologist	1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OCT - 5 1981

Maddox Energy Corporation	
Address Suite 906 Blanks Building, Midland, Texas 79701	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☒	Add "Btry. 1" to lease name
Recompletion ☐	
Change in Ownership ☐	
Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐	

If change of ownership give name
and address of previous owner

1. DESCRIPTION OF WELL AND LEASE

Lease Name Pardue Farms 27 Btry. 1	Well No. 4	Pool Name, including Formation South Culebra Bluff Bone Spring	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter <u>X P</u> <u>660</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>East</u>				
Line of Section <u>27</u> Township <u>23S</u> Range <u>28E</u> , N471A, <u>Eddy</u> County				

2. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ The Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1183, Houston, TX 77001
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1492, El Paso, TX 79978
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When Yes 9/26/81

If this production is commingled with that from any other lease or pool, give commingling order number:

3. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well ☒ Gas Well ☐ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Same H.S.V. Diff. Rev.		
Date Spudded 6/11/81	Date Compl. Ready to Prod. 9/25/81	Total Depth 7300	P.B.T.D. 7250
Elevations (DF, R.H., RT, GR, etc.) 3035' GL	Name of Producing Formation Bone Spring	Top Oil/Gas Tray 6272	Tubing Depth 6272
Perforations 6272-7121 (62 holes)		Depth Casing Shoe 7300	
TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8"	498	335
7 7/8"	4 1/2"	7300	3200
	2 3/4"	6272	(X)

4. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top all
able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 9/26/81	Date of Test 10/8-9/81	Producing Entities (Flow, pump, gas lift, etc.) Pump	Choke Size 1"
Length of Test 24 hours	Tubing Pressure 60#	Casing Pressure 60#	Gas-MCF 10-23-81
Actual Prod. During Test	Oil-ftbls. 15.7	Water-ftbls. 28.3	Gravity of Condensate 43

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Ubls. Condensate/MCF	Gravity of Condensate
Testing Method (spot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

5. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bethune F. Hale
(Signature)

Agent

(Title)

October 15, 1981

(Date)

OIL CONSERVATION DIVISION

OCT 20 1981

APPROVED

BY

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Form C-104 must be filed for each pool in multi-comparted wells.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 14-85

1A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Pardue Farms 27	
9. Well No.	
4	
10. Field and Pool, or Wildcat	
S. Culebra Bluff	
West Bone Springs	
12. County	
Eddy	
13. Proposed Depth	19A. Formation
7500	Bone Spring
20. Rotary or C.T.	
Rotary	
21. Elevations (Show whether DP, RT, etc.)	21A. Kind & Status Plug, Bond
3035 GL	Active
21B. Drilling Contractor	22. Approx. Date Work will start
Hondo Drilling Co.	6/10/81

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	
DRILL ☒	DEEPEN ☐
b. Type of Well	
Oil Well ☒	Gas Well ☐
OTHER	
2. Name of Operator	
Midway Energy Corp.	
3. Address of Operator	
Suite 906 Blanks Bldg Midland Texas 79701	
4. Location of Well	
UNIT LETTER P	LOCATED 660 FEET FROM THE south LINE
AND 660 FEET FROM THE east	LINE OF SEC. 27 TWP. 23S RGE. 28E NMPM
14. Proposed Depth	
7500	
19A. Formation	
Bone Spring	
20. Rotary or C.T.	
Rotary	
21. Elevations (Show whether DP, RT, etc.)	
3035 GL	
21A. Kind & Status Plug, Bond	
Active	
21B. Drilling Contractor	
Hondo Drilling Co.	
22. Approx. Date Work will start	
6/10/81	

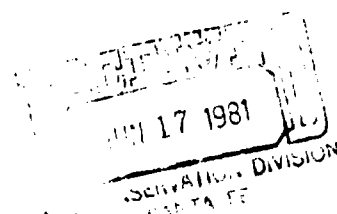
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	500'	325	Circulated
7 7/8"	4 1/2"	10.5# & 11.6#	7500'	2500*	Circulated

* Cement will be 3 staged with DV tools at approx. 5800' and 2800'.

BOP Equipment:

500-TD 10" 3000# double hydraulic ram preventor.



APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12-11-81
UNLESS DRILLING UNDERWAY

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. GIVE 3 W/OUT PREVENTER PROGRAM, IF ANY.

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

Signed Andrew B. Cury Title Operations Manager Date 6/4/81

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE 6-11-81

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-85

All distances must be from the outer boundaries of the Section

Operator Maddox Energy, Inc. Corp			Lease Pardus Farm 27		Well No. 4
Well Letter P	Section 27	Township 23 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the East line					
Ground Level Elev. 3034.8	Producing Formation Bone Spring	Pool S. Culebra Bluff Bone Spring	Dedicated Acreage: 80 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Designation of a Pooled or Unitized Area
☒ Yes ☐ No If answer is "yes," type of consolidation Two 50% leases of undivided interest

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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

Name
Audra B. Cary

Position
Operations Manager

Company
Maddox Energy Corporation

Date
June 4, 1981

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
5/6/81

Registered Professional Engineer and/or Land Surveyor

Patrick A. Romero
Certificate No. **10001**

ILLEGIBLE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form O-61
Rev. 1-78

5a. Indicate type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - FORM C-101 FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
Maddox Energy Corporation

3. Address of Operator
Suite 906 Blanks Building, Midland, Texas 79701

4. Location of Well
UNIT LETTER P FEET FROM THE south LINE AND 660 FEET FROM
THE east LINE, SECTION 27 TOWNSHIP 23S RANGE 28E N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)
3035' GL

7. Unit Agreement Name

8. Farm or Lease Name
Pardue Farms 27

9. Well No.
4

10. Field and Pool, or Wildcat
S. Culebra Bluff
Und. Bone Springs

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPER. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☒	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/11/81 Spudded 12 1/4" hole at 11:00 a.m. MST

6/12/81 Set 8 5/8" K55 24# ST&C casing at 498', cemented with 335 sacks of Class C cement w/2% CaCl. Circulated 115 sacks cement to reserve pit. WOC 18 hours, tested to 1500# - okay.

RECEIVED
JUL 16 1981
OIL CONSERVATION DIVISION
SANTA FE

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

SIGNED Quinn B. Gray TITLE Operations Manager DATE July 7, 1981

APPROVED BY A. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 16 1981

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

USE OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

5a. Indicate type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG, OR TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT TO DRILL OR TO DEEPEN OR PLUG" FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ 31
2. Name of Operator
Maddox Energy Corporation
3. Address of Operator
Suite 906 Blanks Building, Midland, Texas 79701
4. Location of Well
UNIT LETTER P 660 FEET FROM THE south LINE AND 660 FEET FROM
THE east LINE, SECTION 27 TOWNSHIP 23S RANGE 28E N.M.P.
15. Elevation (State whether DF, RT, GR, etc.)
3035' GL
12. County
Eddy

7. Unit Agreement Name
8. Name of Lease Name
Pardue Farms 27
9. Well No.
4
10. Field and Pool, or if not, location
South Culebra Bluff
Und Bone Spring
11. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ OTHER ☐ CASING TEST AND CEMENT JOB ☒
OTHER ☐ OTHER Perf. acidize & frac Bone Spring ☒

17. Descriptive Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.
7/9/81 Set 176 joints of 4 1/2" 10.50# and 11.60# J55 casing at 7300' with DV tools at 5514' and 2510'. Cemented first stage w/475 sacks Class C. Circulated thru DV tool at 5514' for 4 1/2 hours. Cemented second stage w/825 sacks Halliburton Lite and 100 sacks Class C. Circulated thru DV tool at 2510' for 8 1/4 hours.
7/10/81 Cemented third stage w/1650 sacks Halliburton Lite and 150 sacks Class H. Circulated to surface. WOC 18 hours. Tested to 2000#.
7/15/81 Perforated w/3 1/8" casing gun w/1 SPF @ 6272, 6283, 6292, 6328, 6340, 6350, 6360, 6370, 6400, 6410, 6422, 6426, 6436, 6463, 6467, 6471, 6480, 6488, 6510, 6518, 6524, 6541, 6544, 6564, 6582, 6586, 6590, 6603, 6612, 6626, 6636, 6639, 6669, 6675, 6684, 6689, 6710, 6716, 6878, 6884, 6893, 6900, 6907, 6913, 6918, 6924, 6930, 6942, 6954, 6958, 6962, 6965, 6984, 6989, 6997, 7012, 7018, 7102, 7110, 7116, 7121'. (Total 62 shots).
7/16/81 Acidized perforations w/5400 gal, 15% NE acid and 120 ball sealers. Frac in two stages w/271,300# 20/40 mesh sand w/20% CO₂ and 1000 gal acid behind each stage.

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

SIGNED Quiana D. Curry TITLE Operations Manager DATE 7/23/81
APPROVED BY W. A. Susselt TITLE SUPERVISOR, DISTRICT II DATE JUL 23 1981
CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

1. The purpose of this Rule is to ensure the appropriate handling of reports of the following categories: (a) the reporting of a crime or offense, (b) the reporting of a crime or offense by a person who is not a law enforcement officer, (c) the reporting of a crime or offense by a person who is not a law enforcement officer, (d) the reporting of a crime or offense by a person who is not a law enforcement officer, (e) the reporting of a crime or offense by a person who is not a law enforcement officer, (f) the reporting of a crime or offense by a person who is not a law enforcement officer, (g) the reporting of a crime or offense by a person who is not a law enforcement officer, (h) the reporting of a crime or offense by a person who is not a law enforcement officer, (i) the reporting of a crime or offense by a person who is not a law enforcement officer, (j) the reporting of a crime or offense by a person who is not a law enforcement officer, (k) the reporting of a crime or offense by a person who is not a law enforcement officer, (l) the reporting of a crime or offense by a person who is not a law enforcement officer, (m) the reporting of a crime or offense by a person who is not a law enforcement officer, (n) the reporting of a crime or offense by a person who is not a law enforcement officer, (o) the reporting of a crime or offense by a person who is not a law enforcement officer, (p) the reporting of a crime or offense by a person who is not a law enforcement officer, (q) the reporting of a crime or offense by a person who is not a law enforcement officer, (r) the reporting of a crime or offense by a person who is not a law enforcement officer, (s) the reporting of a crime or offense by a person who is not a law enforcement officer, (t) the reporting of a crime or offense by a person who is not a law enforcement officer, (u) the reporting of a crime or offense by a person who is not a law enforcement officer, (v) the reporting of a crime or offense by a person who is not a law enforcement officer, (w) the reporting of a crime or offense by a person who is not a law enforcement officer, (x) the reporting of a crime or offense by a person who is not a law enforcement officer, (y) the reporting of a crime or offense by a person who is not a law enforcement officer, (z) the reporting of a crime or offense by a person who is not a law enforcement officer.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHIC MAP SECTION OF STATE.

South-eastern New Mexico

Northwestern New Mexico

T. Anhy	460	T. Canyon	T. Op. Alamo	T. Penn. "B"
T. Salt	625	T. Strawn	T. Kirtland Frontland	T. Penn. "C"
T. Salt		T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates		T. Moss	T. Cliff House	T. Leadville
T. 7 Rivers		T. Devonian	T. Menefee	T. Madison
T. Queen		T. Silurian	T. Point Lookout	T. Ellipt
T. Grayburg		T. Montoya	T. Mancos	T. McCracken
T. San Andres		T. Simpson	T. Gallup	T. Ignacio Quartz
T. Glorieta		T. McKee	Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger	T. Dakota	T.
T. Blinberry		T. Gr. Wash	T. Morrison	T.
T. Tubb		T. Granite	T. Todillo	T.
T. Drinkard		T. Delaware Sand	2650	T. Entrada
T. Abo		T. Bon. Springs	6297	T. Wingate
T. Wolfcamp		T.	T. Chinle	T.
T. Penn.		T.	T. Permian	T.
T. Cisco (Hough C)		T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 6297 to 7254 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	115	to	210	feet
No. 2, from		to		feet
No. 3, from		to		feet
No. 4, from		to		feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	460	460	Red Shale & Sand				
460	625	165	Anhydrite & Shale				
625	2610	1785	Anhydrite & Salt				
2610	2650	40	Black Limestone				
2650	6297	3647	Massive Sandstone & Gray Shales				
6297	7254	957	Limestone, Carbonaceous Shale & Siltstone				

FIELD South Culebra Bluff Bone Spring COUNTY Eddy OIL NUMBER
OPERATOR Maddox Energy Corporation / ADDRESS Suite 906, The Blanks Building
Midland, Texas 79701
LEASE Pardue Farms "27" WELL NO. 4
SURVEY Unit P, 660' FSL 660' FEL Sec. 27, T23S, R28E, N.M.P.M.

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
496	3/4
812	2
1029	2 3/4
1141	2 3/4
1244	1 3/4
1426	1
1642	2
1859	2 1/4
2044	3
2137	2 3/4
2322	3
2661	1 1/4
2876	1 1/4
3079	3/4
3481	1
3877	3/4
4307	1/2
4735	1
5166	1
5352	1 1/4
5822	1 1/4
6312	1 1/4
6801	1 1/4
7300	1 1/4

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: Walter Frederickson
Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

17th day of July, 1981.

Margaret B. Anderson Notary Public in and for Midland County, Texas.
Margaret B. Anderson

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OPERATOR	
Maddox Energy Corporation	
Address Suite 906 Blanks Building, Midland, Texas 79701	
Reason(s) for filing (check proper box)	Other (Please explain)
New Well ☒	Add "Btry. 1" to lease name
Recompletion ☐	
Change in Ownership ☐	
Change in Transporter of:	
Oil ☐	Dry Gas ☐
Crude Oil ☐	Condensate ☐

If change of ownership give name
and address of previous owner:

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease To
Pardue Farms 27 Btry. 1	4	South Culebra Bluff Bone Spring	State, Federal or Fee	Fee
Location				
Unit Letter	660	Feet From The	Line and	660
Line of Section	27	Township	23S	Range
			28E	County
			Eddy	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	P. O. Box 1183, Houston, TX 77001
Name of Authorized Transporter of Crude Oil ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 1492, El Paso, TX 79978
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
H 27 23S 28E	Yes 9/26/81

If this production is commingled with that from any other lease or pool, give commingling order number.

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well ☒	Gas Well ☐	New Well ☒	Workover ☐	Deepen ☐	Plug Back ☐	Some Other ☐	Unit, Fee
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.D.T.D.					
6/11/81	9/25/81	7300	7250					
Elevations (DF, R&H, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
3035' GL	Bone Spring	6272	6217					
Perforations			Depth Casing Shoe					
6272-7121 (62 holes)			7300					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8"	498	335
7 7/8"	4 1/2"	7300	3200
	2 7/8"	6217	

VI. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top oil able for this depth or be for full 24 hours)

Date First Flow Oil Run To Tanks	Date of Test	Producing Method (Pump, gas lift, etc.)
9/26/81	10/8-9/81	Pump
Length of Test	Tubing Pressure	Choke Size
24 hours	60#	1"
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.
	15.7	28.3
		43

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (piston, back, etc.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

1. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bellini F. Hale
(Signature)

Agent

(Title)

October 15, 1981

(Date)

OIL CONSERVATION DIVISION

APPROVED OCT 20 1981

BY *W. A. Dussett*

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with N.M.S. 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with N.M.S. 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

† **Supervisor's Recommendation** (Required)

4. NM

30-011-23819

4945

CONCLUSIONS

11-1-14 NM

SPD 6-10-81 10-9-81

WELL CLASS INIT		D FIN DU		10-9-81	
FORMATION	DATE	FORMATION	DATE		
TO 7300 (BSPG)		TO 7250			

no.	7300 (BSPG.)	PH.	7250
-----	--------------	-----	------

CONFIDENTIAL Bondo #6

FRONT 3035 CL

sub-s 10

11-7-81

6-23-21

6-29-81

6-29-81

7-8-81

7-14-81

7-14-171
2-10-81

7-211-51

•

7-27-33

11-2-81

RECEIVED 15 SEP 1990

Exhibits 1 through 6

NEW MEXICO OIL CONSERVATION COMMISSION

CASE NO. 9647

APPLICATION FOR DOWNHOLE COMMINGLING

SOUTH CULEBRA BLUFF(BONE SPRING) & EAST LOVING DELAWARE(BRUSHY CANYON)

PARDUE FARMS "27" #4

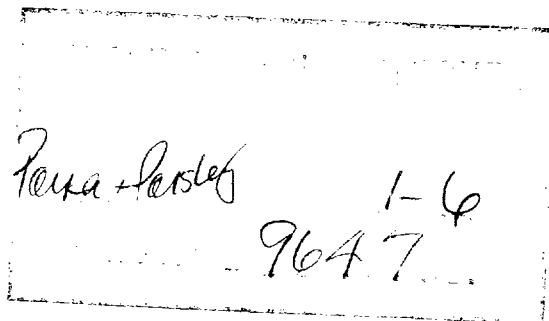
UNIT P, SEC. 27, T23-R28, 660 FSL & 660 FEL

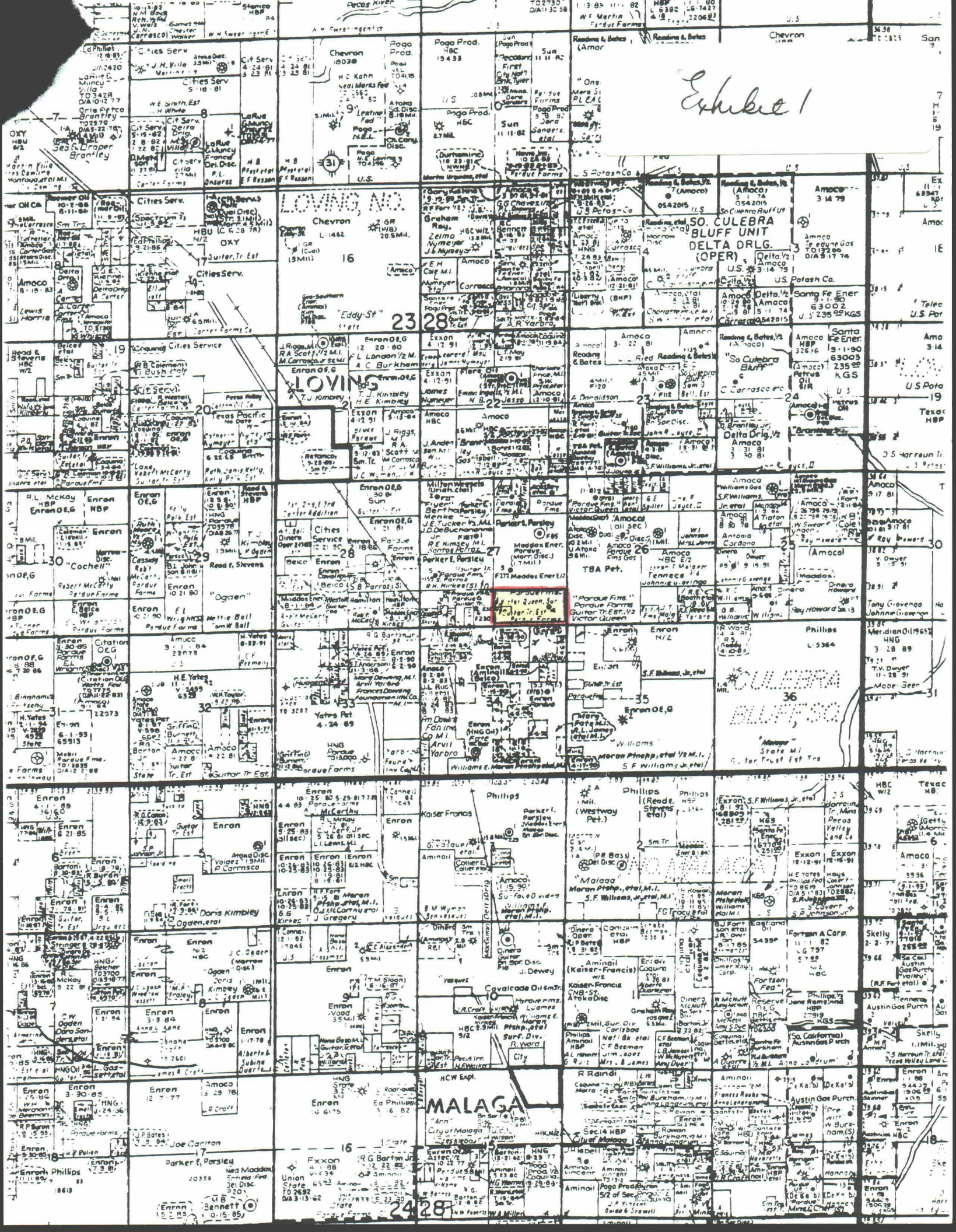
EDDY COUNTY, NEW MEXICO

PRESENTED BY: PARKER & PARSLEY PETROLEUM COMPANY

P. O. BOX 3178

MIDLAND, TEXAS 79701





[illegible]

Submit 2 copies to Appropriate
District Office.
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

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Parker & Parsley Petroleum Company		Pool South Culebra (Bone Spring)		County Eddy										
Address P. O. Box 3178, Midland, TX 79702		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL	
		U	S	T						R	WATER BBLS.	GRAV. OIL		OIL BBLS.
Pardue Farms "27"	4	P	27	23	28	---	---	25	24	15	40	1.15	7	6087

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Randy R. Johnson
Signature

Randy R. Johnson, Engineer
Printed name and title

3/14/89
Date

915/68
Telepho

Exhibit 2

OIL CONSERVATION DIVISION

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

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

GAS - OIL RATIO TEST

Operator Parker & Parsley Petroleum Company		Pool Delaware (Brushy Canyon)		County Eddy								
Address P. O. Box 3178, Midland, TX 79702		TYPE OF TEST - (X)		Completion ☐ Special ☒								
LEASE NAME	WELL NO.	LOCATION			DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL		
		U	S	T			R	WATER BBL.S.	GRAV OIL		OIL BBL.S.	GAS MCF
Pardue Farms "27"	4	P	27	23	28	N/A	24	75	42	35	80	2286

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Randy R. Johnson
Signature

Randy R. Johnson, Engineer
Printed name and title

3/16/89
Date

915/683-4768
Telephone No.

ALLOCATION OF PRODUCTION

Oil Production:

Brushy Canyon	35 BOPD	97%
Bone Springs	1.2 BOPD	3%
TOTAL	36.2 BOPD	100%

Gas Production:

Brushy Canyon	80 MCFPD	92%
Bone Springs	7 MCFPD	8%
TOTAL	87 MCFPD	100%

10000
1000
100
10
1

OIL (BBL)
GAS (MCF)

Date: 04/10/89
Time: 10:40:06

PRODUCTION

File: PARD.DSF
Gate: 41

PARDUE FARMS 27 WELL NO. 4
PARKER & PARSELEY PET CO
SO. CULEBRA BLUFF (BONE SPRINGS)
NM, EDDY

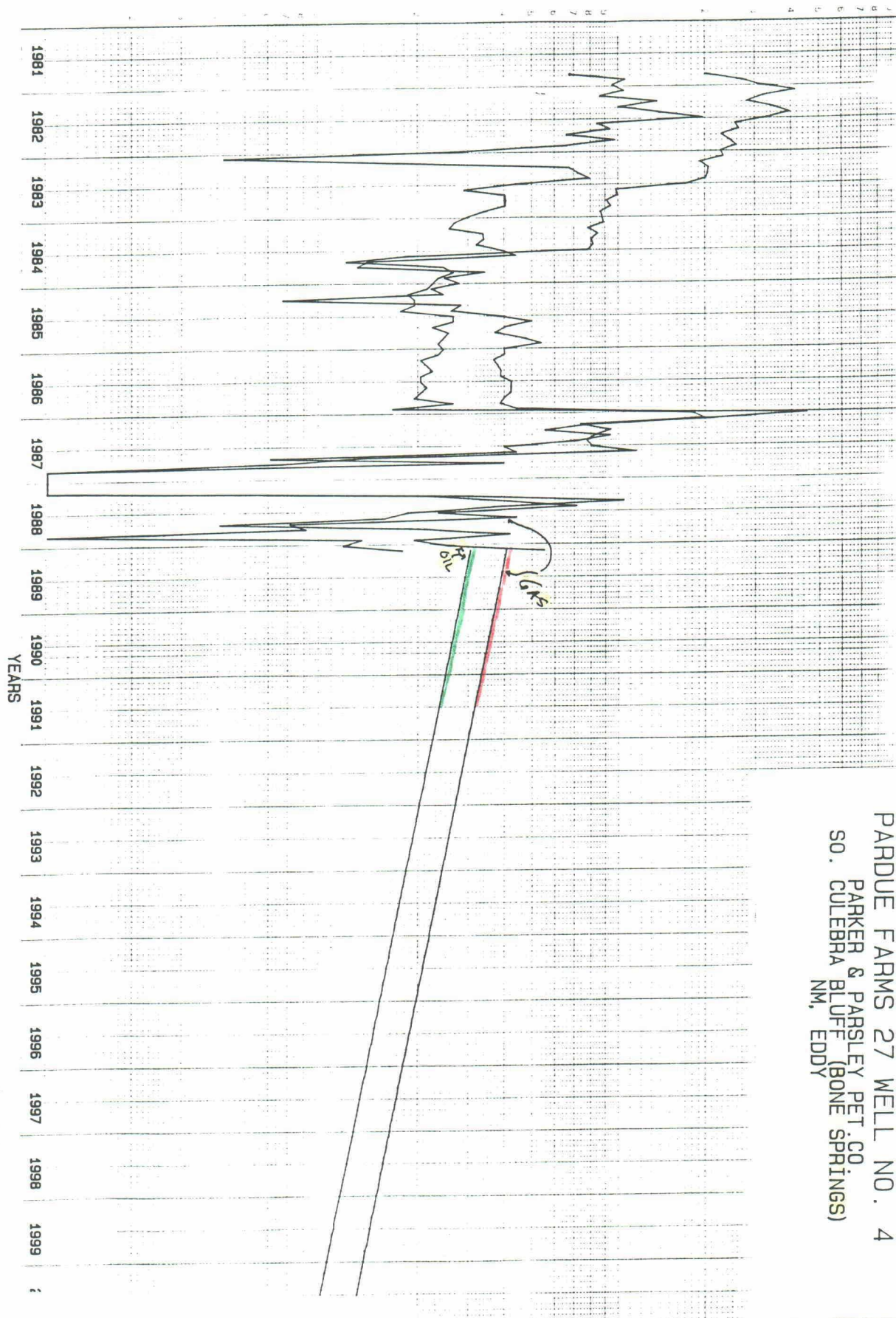


Exhibit 3

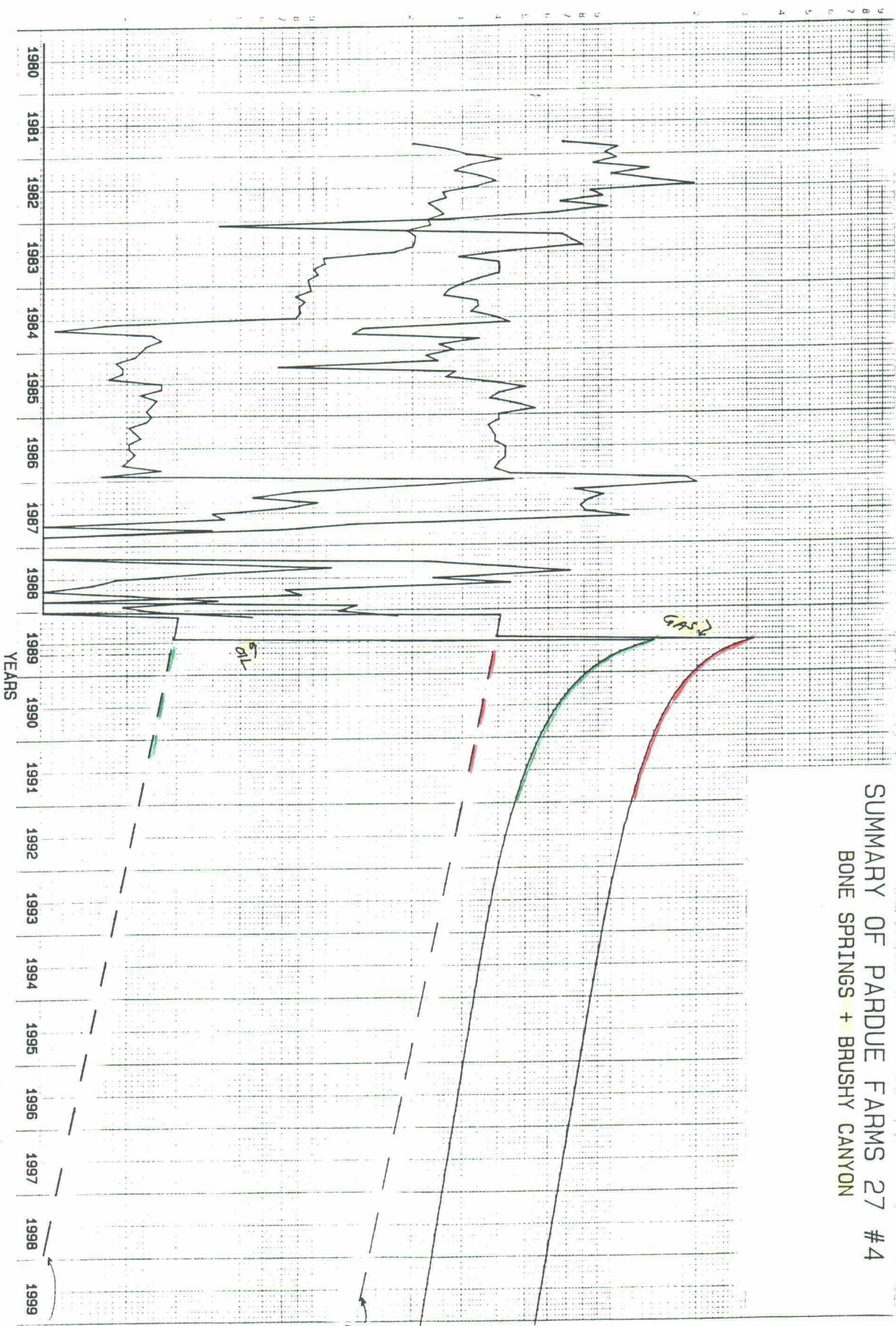
10 100 1000 10000
10 100 1000 10000
OIL (BBL)
GAS (MCF)

Date: 04/10/89
Time: 11:12:54

PRODUCTION

SUMMARY OF PARDUE FARMS 27 #4
BONE SPRINGS + BRUSHY CANYON

File: .DSF
Set#: 0



Bone Springs only (oil)

Pardue Farms 27 #4 Bone Springs only (oil)

PARKER & PARSLEY PETRO. CO.
DAILY OPERATIONS REPORT

(01/01/00 THRU 12/31/99)
PERMIAN BASIN WEST DISTRICT

RESUME OF RECOMPLETION

WELL: PARDUE FARMS "27" #4 (WO)
PROJECT: PPDP-93.9% WI

STATE: NM
COUNTY: EDDY

TD: 6,400

Location: Unit P, 660' FSL & 660' FEL, Sec 27, T-23-S, R-28-E

Directions: From X-Sec of US 285 & County road 714 in Loving, NM, go East on County road 14 approx 1 mile, turn South on paved road 1 mile, then turn East on paved road .8 miles and turn North to location.

02/22/89 PBTB: 6320'. MIRU Clarke WS. Attempt to unseat pmp. Pmp stuck. Back-off rods, left 1 rod on top of pmp. POH & LD 61 - 7/8" rods, 196 - 3/4" rods 17 - 7/8" rods. Rel TAC. POH w/ 213 jts 2 3/8" tbg, SN, 4' perf'd sub, 2 jts - 2 3/8" tbg BP MA. RU McCullough Wireline. FL @ 6500'. Not enough fluid to log. SDON. DC: \$4,500 CTD: \$4,500.

02/23/89 Set CIBP @ 6320' & load hole w/75 BPW. Run McCullough CBL. Good bond over interval of interest. RIH w/CR, hot wtr tbg to clean up paraffin & test tbg to 4000 psig, OK. Set CR @ 6265' & establish injection rate of 1.5 BPM @ 400 psig through perfs @ 6273', 83', & 92' (3 HOLES). Squeeze perfs using hesitation method w/100 sx Class "H" Neat followed w/100 sx Class "H" w/FL @ 1100 psig. SDON. DC: \$9,900 CTD: \$14,400.

02/24/89 PBTB: 6265'. Press Test csg 2500 psi. Spot 500 gal 15% HCL @ 6236'. Perf'd as follows: 6070', 81, 91, 6156', 76, 86, 6244', 48. SI & SDON. Prep to Frac. SICP 500 psi this a.m. DC: \$2,200 CTD: 16,600.

02/25/89 SICP 600 psig. Frac Brushy Canyon perfs using 1500 gal 15% NEFE HCL, 2 drums Scaletrol 8, 5 Bbls gelled wtr spacer, 7000 gal Terra Frac 3 pad w/3500# 100 mesh sd, followed by 14,000 gal Terra Frac 3 system w/31,000# 20-40 sd & 16,000# 12-20 sd. Flush w/95 Bbls gelled wtr. Max rate 21 BPM @ 2200 psig.
ISIP: 920 psig
15"SIP: 770 psig
TLTR: 735 bbls
DC: \$13,851 CTD: \$30,451.

PARKER & PARSLEY PETRO. CO.
DAILY OPERATIONS REPORT

(01/01/00 THRU 12/31/99)
PERMIAN BASIN WEST DISTRICT

WELL: PARDUE FARMS "27" #4 (WO)	STATE: NM	TD: 6,400
PROJECT: PPDP-93.9% WI	COUNTY: EDDY	
02/26/89	SICP 400 psig. Flw'd 76 BLW to frac tank & bled well off. RIH w/4 1/2" Baker Model R pkr, SN, 190 jts 2 3/8" tbg. Set pkr @ 6015'. Swab 86 BLW in 5 hrs. SDON. LTR 573 Bbls DC: \$1,533 CTD: \$31,984.	
02/27/89	SITP 200 psig. Bled well off & swabbed 236 BLW w/10% oil cut. Well kicked off & flw'd 30 BLW w/15% oil cut on 32/64" ck in 14 hrs. LTR 307 Bbls. DC: \$1,533 CTD: \$33,517.	
02/28/89	Flw'd 15 BO, 55 BW, 100 MCF (approx 20% oil cut) through 32/64" ck in 24 hrs. FTP 30-50 psig. Prepare to put on pmp this a.m. LTR 252 Bbls. DC: \$500 CTD: \$34,017.	
03/01/89	Killed well w/75 BPW. POH w/pkr & LD. RIH w/2 3/8" MA, 3' perf sub, SN @ 6145', 6 jts 2 3/8" tbg, TAC @ 5950', 184 2 3/8" tbg. Flange well head up. SDON. TBLWTR 327. CD: \$2,000 CTD: \$36,017. PU 1 1/2" x 16' pmp, 1' 3/4" sub, 16 - 7/8" ST rods, 107 - 3/4" ST rods, 57 - 7/8" ST rods, 8' & 4' 7/8" subs, 1 1/4" PR. Hung well on & started pmp'g @ 1:00 p.m. Made 154 BLW w/trace oil. TBLWTR 173 bbls. DC: \$2200. CTD: \$38,217.	
03/02/89	POB 24 hrs, 72 BO & 223 BW & 200 MCF.	
03/03/89	POB 24 hrs & flowing up the annulus, 67 BO & 338 BW & 200 MCF.	
03/04/89	POB 24 hrs & flowing up the annulus, 82 BO & 298 BW & 200 MCF.	
03/05/89	POB 24 hrs and flowing up the annulus, 53 BO & 408 BW & 150 MCF.	
03/06/89	POB 24 hrs, 50 BO & 280 BW & 125 MCF.	
03/07/89	POB 24 hrs, 43 BO & 117 BW & 125 MCF.	

FARROW FARMS 27 WELL NO. 4
 FARMER & PARKLEY PETCO,
 SE. CHIEFFA BLUFF (EONE SPRINGS)
 NM, EIDY

DATE: 04/10/89
 TIME: 10:36.16
 FILE: PARO
 GET#: 41

RESERVES AND ECONOMICS

OF COSTS FROM R. JOHNSON
 2100 \$/mo STAND ALONE

AS OF JULY 1, 1989

--END--	---GROSS PRODUCTION---			---PRICES---			---OPERATIONS, M\$---			10.00 PCT		
	MO-YR	OIL, MBOE	GAS, MBOE	WATER, MBOE	OIL \$/B	GAS \$/B	NET OPER REVENUES	SEV+ADY+ NET OPER EXPENSES	CAPITAL COSTS, M\$	CASH FLOW, M\$	CUM. DISC	BTAX, M\$
12-89		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-90		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-91		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-92		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-93		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-94		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-95		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-96		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-97		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-98		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-99		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-00		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-01		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-02		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12-03		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5 TOT		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
REM.		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
CUM.		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NET.		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BTAX RATE OF RETURN (PCT)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
BTAX PAYOUT YEARS		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BTAX PAYOUT YEARS (DISC)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BTAX NET INCOME/INVEST		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BTAX NET INCOME/INVEST (DISC)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

---PRESENT WORTH PROFILE---			
DISC RATE	PW OF NET BTAX, M\$	DISC RATE	PW OF NET BTAX, M\$
.0	.000	30.0	.000
2.0	.000	35.0	.000
3.0	.000	40.0	.000
4.0	.000	45.0	.000
5.0	.000	50.0	.000
6.0	.000	60.0	.000

PAROLE PLANS 27 WELLS NO. 4
 PARKER & PATSLEY PET. CO.
 SO. COLEMAN PLUFF (TRINE SPRINGS)
 NM, BICY

DATE: 04/10/89
 TIME: 11:07.30
 FILE: PARD
 CETO: 41

RESERVES AND ECONOMICS

OF COSTS FROM H. REEVES
05/mo Cont'd w Budy Canyon-

AS OF JULY 1, 1989

--END-- MO-YR	--GROSS PRODUCTION--		--NET PRODUCTION--		--PRICES--		--OPERATIONS, M\$--		CASH FLOW		10.00 PCT
	OIL, MBOE	GAS, MBOE	OIL, MBOE	GAS, MBOE	OIL \$/B	GAS \$/M	NET OPER REVENUES	SEV+ADV+ WF TAXES	BTAX, M\$	CUM. DISC	
12-89	.167	2,510	.114	1,513	16.00	1.65	4,320	.315	.000	4,005	3,911
12-90	.307	4,100	.209	2,776	16.00	1.65	7,957	.581	.000	7,376	10,616
12-91	.277	3,690	.189	2,517	16.00	1.65	7,177	.523	.000	6,654	16,116
12-92	.249	3,320	.178	2,265	16.00	1.65	6,457	.471	.000	5,986	20,612
12-93	.224	2,909	.153	2,036	16.00	1.65	5,911	.424	.000	5,387	24,691
12-94	.202	2,691	.136	1,835	16.00	1.65	5,230	.382	.000	4,854	27,305
12-95	.182	2,421	.124	1,651	16.00	1.65	4,708	.343	.000	4,365	29,769
12-96	.163	2,179	.111	1,486	16.00	1.65	4,220	.309	.000	3,919	31,780
12-97	.147	1,951	.100	1,337	16.00	1.65	3,804	.276	.000	3,528	33,426
12-98	.132	1,735	.090	1,204	16.00	1.65	3,427	.250	.000	3,177	34,773
12-99	.110	1,506	.072	1,083	16.00	1.65	3,099	.225	.000	2,873	35,881
12-00	.107	1,478	.073	.975	16.00	1.65	2,777	.203	.000	2,574	36,793
12-01	.096	1,257	.065	.878	16.00	1.65	2,489	.182	.000	2,307	37,518
12-02	.087	1,153	.059	.798	16.00	1.65	2,248	.164	.000	2,084	38,122
12-03	.078	1,242	.053	.711	16.00	1.65	2,021	.148	.000	1,873	38,615
S TOT	2,558	33,040	1,730	23,079	16.00	1.65	65,761	4,799	.000	60,962	38,615
REN.	.114	1,513	.097	1,219	16.00	1.65	3,067	.237	.000	3,214	39,309
TOTAL	2,672	35,027	1,827	24,298	16.00	1.65	69,028	5,052	.000	64,176	39,351
CUM.	6,063	44,806	NET OIL REVENUES (M\$)				39,114	PROJECT WORTH PROFILE			
ULT.	11,030	80,097	NET GAS REVENUES (M\$)				48,892	FW OF NET	DISC	FW OF NET	
			TOTAL REVENUES (M\$)				69,228	BTAX, M\$	RATE	BTAX, M\$	
BTAX RATE OF RETURN (PCT)			100.00	PROJECT LIFE (YEARS)				16,564	.0	30.0	22,165
BTAX PAYOUT YEARS			.00	DISCOUNT RATE (PCT)				10.00	7.0	35.0	20,105
BTAX PAYOUT YEARS (E150)			.00	GROSS OIL WELLS				.000	5.0	40.0	18,442
BTAX NET INCOME/INVEST			.00	GROSS GAS WELLS				.000	3.0	45.0	17,073
BTAX NET INCOME/INVEST (E150)			.00	GROSS WELLS				1,000	13.0	50.0	15,924
								1,000	15.0	60.0	14,109

FAROE FARM 27 44 ACRES
EDDY CO., IN
BRUSSEY CANYON WADSWORTH
RECOMPLETION FARM 27 44

DATE: 04/10/67
TIME: 11:07.30
FILE: FARD
GET: 42

RESERVE AND FLOW IN

AS OF JULY 1, 1969

END- MO-YR	GROSS PRODUCTION			NET PRODUCTION			PRICES			OPERATIONS			10.00 PCT		
	OIL, MBBL	WELL GAS, MCF	WELL GAS, MCF	OIL, MBBL	WELL GAS, MCF	WELL GAS, MCF	OIL \$/B	WELL GAS \$/M	WELL GAS \$/M	NET OPER REVENUES	SEV ADV+ WF TAXES	NET OPER EXPENSES	CAPITAL COSTS, M\$	CASH FLOW BTAX, M\$	CUM. DISC BTAX, M\$
12-69	5.331	11.562		3.774	7.544	16.00	1.65	74.000		5.150		10.142	.000	57.500	56.145
12-90	7.243	14.862		4.940	9.800	16.00	1.65	95.342		6.765		20.284	.000	58.303	110.240
12-91	5.319	11.867		3.764	7.527	16.00	1.65	72.644		5.147		20.284	.000	47.213	157.259
12-92	4.684	9.769		3.174	6.349	16.00	1.65	61.646		4.368		20.284	.000	36.994	185.053
12-93	4.163	8.762		2.839	5.676	16.00	1.65	54.773		3.881		20.284	.000	30.600	205.959
12-94	3.791	7.692		2.560	5.171	16.00	1.65	47.892		3.534		20.284	.000	26.074	222.147
12-95	3.407	6.973		2.378	4.756	16.00	1.65	40.895		3.222		20.284	.000	22.359	234.770
12-96	3.027	6.416		2.197	4.376	16.00	1.65	42.210		2.911		20.284	.000	18.937	244.488
12-97	2.651	5.767		1.913	4.025	16.00	1.65	48.549		2.753		20.284	.000	15.812	251.864
12-98	2.275	5.432		1.632	3.703	16.00	1.65	45.742		2.533		20.284	.000	12.926	257.346
12-99	2.498	4.995		1.764	3.407	16.00	1.65	41.866		2.530		20.284	.000	10.272	261.386
12-00	2.298	4.576		1.567	3.134	16.00	1.65	38.243		2.347		20.284	.000	7.817	264.046
12-01	2.114	4.328		1.442	2.863	16.00	1.65	37.829		1.972		20.284	.000	5.573	265.922
12-02	1.945	3.876		1.326	2.653	16.00	1.65	25.593		1.613		20.284	.000	3.496	266.835
12-03	1.740	3.579		1.221	2.441	16.00	1.65	27.564		1.659		20.284	.000	1.611	267.259
S TOT	53.934	107.857		36.783	73.565	16.00	1.65	739.910		50.297		274.110	.000	365.495	267.259
REM.	.000	.000		.000	.000	.00	.00	.000		.000		.000	.000	.000	267.259
TOTAL	53.934	107.857		36.783	73.565	16.00	1.65	739.910		50.297		274.110	.000	365.495	267.259
WELL	1.351	2.762								588.726					
WELL	55.285	112.169								121.382					
										789.910					
PRESENT WORTH PROFILE															
BTAX RATE OF RETURN (PCT)	100.00														
BTAX PAYOUT YEARS	.00														
BTAX PAYOUT YEARS (DISC)	.00														
BTAX NET INCOME/INVEST	.00														
BTAX NET INCOME/INVEST (DISC)	.00														
PROJECT LIFE (YEARS)										14.500					
DISCOUNT RATE (PCT)										11.000					
GROSS OIL WELLS										.000					
GROSS GAS WELLS										.000					
GROSS WELLS										1.000					
DISC RATE										10.00					
FW OF NET BTAX, M\$										365.495					
DISC RATE										35.00					
FW OF NET BTAX, M\$										169.269					
DISC RATE										40.00					
FW OF NET BTAX, M\$										159.202					
DISC RATE										45.00					
FW OF NET BTAX, M\$										143.276					
DISC RATE										50.00					
FW OF NET BTAX, M\$										131.209					

PARAD: PARME 27 44
BONE SPRING PRODUCER
+ BRUGHT: LANTON PRODUCER
COMBINED

DATE: 04/16/89
TIME: 11:07.30
FILE: PARM
GET: 0

R E S E R V E S A N D P R O D U C T I O N S

AS OF JULY 1, 1989

END- MO-YR	---GROSS PRODUCTION---			---NET PRODUCTION---			---PRICES---			---OPERATIONS, M\$---			CAPITAL COSTS, M\$			CASH FLOW			10.00 PCT CUM. DISC		
	OIL, MBL	GAS, MMCF	WELL GAS, MMCF	OIL, MBL	GAS, MMCF	WELL GAS, MMCF	DIL GAS \$/M	GAS \$/M	NET OPER REVENUES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES	SEPARATE NET OPER EXPENSES
12-89	5.646	13.588		3.866	9.057	16.00	1.65	77.120	5.473	18.142	18.142	18.142	18.142	18.142	18.142	61.585	61.585	61.585	60.857	60.857	60.857
12-90	7.598	18.587		5.149	12.676	16.00	1.55	123.755	7.333	18.284	18.284	18.284	18.284	18.284	18.284	78.679	78.679	78.679	123.856	123.856	123.856
12-91	5.796	14.727		3.453	10.044	16.00	1.65	119.821	5.578	28.284	28.284	28.284	28.284	28.284	28.284	53.867	53.867	53.867	173.374	173.374	173.374
12-92	4.933	12.589		3.364	8.654	16.00	1.65	80.183	4.839	38.284	38.284	38.284	38.284	38.284	38.284	42.988	42.988	42.988	283.665	283.665	283.665
12-93	4.363	11.111		2.995	7.714	16.00	1.65	58.154	4.393	38.284	38.284	38.284	38.284	38.284	38.284	35.995	35.995	35.995	338.253	338.253	338.253
12-94	3.992	10.271		2.723	7.006	16.00	1.55	55.125	3.916	38.284	38.284	38.284	38.284	38.284	38.284	38.928	38.928	38.928	249.454	249.454	249.454
12-95	3.669	9.154		2.482	6.487	16.00	1.65	58.603	3.592	38.284	38.284	38.284	38.284	38.284	38.284	26.724	26.724	26.724	264.539	264.539	264.539
12-96	3.378	8.595		2.298	5.852	16.00	1.55	45.448	3.222	38.284	38.284	38.284	38.284	38.284	38.284	22.856	22.856	22.856	276.268	276.268	276.268
12-97	3.055	7.862		2.113	5.362	16.00	1.65	42.555	3.031	38.284	38.284	38.284	38.284	38.284	38.284	19.348	19.348	19.348	283.298	283.298	283.298
12-98	2.547	7.195		1.942	4.987	16.00	1.55	39.163	2.782	21.234	21.234	21.234	21.234	21.234	21.234	16.183	16.183	16.183	292.119	292.119	292.119
12-99	2.615	6.553		1.756	4.498	16.00	1.65	35.955	2.826	28.284	28.284	28.284	28.284	28.284	28.284	13.145	13.145	13.145	297.197	297.197	297.197
12-00	2.485	6.026		1.540	4.129	16.00	1.55	33.220	2.545	28.284	28.284	28.284	28.284	28.284	28.284	10.391	10.391	10.391	308.829	308.829	308.829
12-01	2.216	5.315		1.587	3.761	16.00	1.65	30.318	2.154	28.284	28.284	28.284	28.284	28.284	28.284	7.888	7.888	7.888	383.348	383.348	383.348
12-02	2.232	5.243		1.382	3.443	16.00	1.65	27.842	1.977	28.284	28.284	28.284	28.284	28.284	28.284	5.588	5.588	5.588	384.957	384.957	384.957
12-03	1.666	4.121		1.274	3.152	16.00	1.65	25.585	1.717	28.284	28.284	28.284	28.284	28.284	28.284	3.484	3.484	3.484	385.874	385.874	385.874
S TOT.	56.472	141.787		38.613	96.644	16.00	1.65	775.671	55.896	294.118	294.118	294.118	294.118	294.118	294.118	426.457	426.457	426.457	388.874	388.874	388.874
REM.	1.134	1.137		1.134	1.134	16.00	1.65	3.461	1.134	1.134	1.134	1.134	1.134	1.134	1.134	3.214	3.214	3.214	386.619	386.619	386.619
TOTAL	56.606	142.924		39.747	97.778	16.00	1.65	779.132	57.030	294.118	294.118	294.118	294.118	294.118	294.118	429.671	429.671	429.671	388.619	388.619	388.619
CUM.	9.914	47.822		6.614	24.614	16.00	1.65	617.664	617.664	617.664	617.664	617.664	617.664	617.664	617.664	429.671	429.671	429.671	388.619	388.619	388.619
INT.	56.606	142.924		39.747	97.778	16.00	1.65	779.132	57.030	294.118	294.118	294.118	294.118	294.118	294.118	429.671	429.671	429.671	388.619	388.619	388.619
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	283.423	283.423	283.423
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	189.374	189.374	189.374
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	177.644	177.644	177.644
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	167.728	167.728	167.728
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	159.228	159.228	159.228
DATA RATE OF RETURN (PCT)				100.00					15.526	15.526	15.526	15.526	15.526	15.526	15.526	38.0	38.0	38.0	145.317	145.317	145.317

-----FUTURE WORTH PROFILE-----

DISC RATE	FW OF NET	DISC RATE	FW OF NET
1.0	42.671	1.0	42.671
2.0	37.221	2.0	37.221
5.0	357.634	5.0	357.634
10.0	374.768	10.0	374.768
15.0	335.412	15.0	335.412
20.0	193.765	20.0	193.765

PARQUE FARMS 27 44
 IONE SPRING PRODUCER
 + FROSTY CANYON PRODUCER
 COMBINED

DATE: 04/10/89
 TIME: 11:07:30
 FILE: PARO
 DET#: 0

RESERVE AND ECONOMIC

AS OF JULY 1, 1989

		OPERATIONS, M\$			CASH FLOW		10.00 FCI
		NET OPER REVENUES	SEV+ADV+ WP TAXES	NET OPER EXPENSES	BTAX, M\$	CUM. DISC BTAX, M\$	
		---	---	---	---	---	---
LEASE	OIL, NGAS, MRCF	OIL, NGAS, MRCF					
---GROSS PRODUCTION---		---					
---NET PRODUCTION---		---					
PARQUE FARMS 27 WELL NO. 4		1.821	24.298	5.852	.000	64.176	39.351
35.627							
PARQUE FARMS 27 44 RECOMPLETION		37.283	75.565	58.397	.000	365.495	267.259
51.934							
SUMMARY: PARQUE FARMS 27 44		38.264	97.863	55.349	.000	429.671	386.610
56.616							

JOHN WEST ENGINEERING
Acoustical Well Sounding Record

BRUSHY CANYON

Operator PARKER & PARSLEY
Lease Pardue Farm 27
Well No. 4
Field _____ Date 3-29-89
Total Depth _____ Elevation _____ (KB)(Gr)
Well Data: Tbg. Set at _____, Tbg. Perf. _____
Casing Perf. _____ Pump Set at _____
Oil Gravity _____ Fluid Gradient of Oil .333
Avg. Water Cut 78 % Fluid Gradient Water .433
Calc. Fluid Grad = $Go .333 \times 22$ % Oil + $Gw .433 \times 78$
% Water = .401 Fluid Gradient

SOUNDING DATA	1	2	3	4
TIME	10:30 AM			
AVG. LENGTH OF JT.	31'			
JOINTS TO FLUID	13			
DEPTH TO FLUID	403'			
DATUM	6200'			
FLUID TO DATUM	5797'			
FLUID GRADIENT	.401			
PRESSURE FLUID COL.	2325 psig			
GAS GRADIENT	.60			
PRESSURE GAS COL.	2 psig			
CSG. PRESSURE	120			
CALCULATED BHP	2447 psig			

REMARKS

TESTED BY M.C. Thomason

JOHN WEST ENGINEERING
Acoustical Well Sounding Record

BONE SPRINGS

Operator PARKER & PARSLEY
Lease Pardue Farm 27
Well No. 5
Field _____ Date 3-29-89
Total Depth _____ Elevation _____ (KB)(Gr)
Well Data: Tbg. Set at _____, Tbg. Perf. _____
Casing Perf. _____ Pump Set at _____
Oil Gravity _____ Fluid Gradient of Oil .333
Avg. Water Cut 92 % Fluid Gradient Water .433
Calc. Fluid Grad = $Go .333 \times 8$ % Oil + $Gw .433 \times 92$
% Water = .425 Fluid Gradient

SOUNDING DATA	1	2	3	4
TIME	11:00 AM			
AVG. LENGTH OF JT.	31			
JOINTS TO FLUID	11			
DEPTH TO FLUID	341'			
DATUM	6200'			
FLUID TO DATUM	5859'			
FLUID GRADIENT	.425			
PRESSURE FLUID COL.	2490 psig			
GAS GRADIENT	.60			
PRESSURE GAS COL.	0			
CSG. PRESSURE	90 psig			
CALCULATED BHP	2580 psig			

REMARKS

TESTED BY M.C. Thomason

Exhibit 4

Exhibit 5



PLEASE REPLY: 828 S. GRANDVIEW
P.O. BOX 8078
ODESSA, TX 79760

Parker & Parsley
Pardue Farms
Station: Hobbs

3-21-89
Craig Bailey
Waters & Oils

PURPOSE: To analyze the water samples and check the compatibility of the oil samples with each other.

WATER ANALYSIS:

	<u>Bone Springs</u>	<u>Brush Canyon</u>
Specific Gravity @ 60°F:	1.186	1.196
pH:	5.94	6.08

RADICALS

Total Hardness	80,000	88,000
Calcium	28,800	32,800
Magnesium	1,920	1,440
Iron(Dissolved)	38	1
Barium	ND	ND
*Sodium	91,701	87,998
Chlorides	198,000	198,000
Sulfate	282	295
Bicarbonate	312	171
Sulfide	NP	NP
Hydrogen Sulfide	NP	NP
TDS	321,053	320,705
Scaling Tendency:		
CaCO ₃ :	Probable	Probable
CaSO ₄ :	Possible	Possible

OIL ANALYSIS:

API GRAVITY @ 60°F:	42.0	45.0
---------------------	------	------

There was no emulsion problems observed between the two oil samples at a 50:50 mixture.

*Sodium is a calculated value to balance the equation.

Lab. Report: 3W-032
Analyzed By: David Ellison

PARDUE FARMS 27 #7

SEC. 27 , T23-R28 , EDDY CO. N.M.
DELAWARE (BRUSHY CANYON)

CRUDE OR PRODUCTS RECEIPT TICKET
PERMANENT OPERATING LIMITED PARTNERSHIP

☒ PERMIAN
☐ WESTERN OIL TRANSPORTATION
☐ OTHER

P.O. BOX 1183 HOUSTON, TEXAS 77231-1183

FROM (OPERATOR) Parker + Parsley
(LEASE) Pardue Farms 27-7

1 OPENING DATE
1 2 8 8 9 1 3 0 6 1 2
5 6 5 6 8 1 6 2 3 2 0
STATION NO. 2 9 TANK SIZE -
CRS GRAVITY 4 2 2 5 0 1 0
WHEEL SECTIONS

TANK GAUGE OIL LEVEL
1 8 0 1 0 0 5 2
2 2 0 6 0 0
ESTIMATED BARRELS

METER READINGS
GROSS BARRELS
NET BARRELS
GROSS WEIGHT
NET WEIGHT
CALCULATIONS
187.77

REMARKS
Eddy Co. Prod
Sec 27-T23-R28
DRIVER - GALUGER
WITNESS
DRIVER - GALUGER
WITNESS

TIME 11:45 A
DATE 1-28-89
OFF SEAL
D/A
TIME 12:15 P
DATE 1-28-89
ON SEAL
D/A

OCR 1-400M REV. 12-87
CUSTOMER

PARDUE FARMS 27 #6

SEC. 27 , T23-R28 , EDDY CO. N.M.
S. CULEBRA BLUFF (BONE SPRING)

CRUDE OR PRODUCTS RECEIPT TICKET
PERMIAN OPERATING LIMITED PARTNERSHIP 4A

☒ PERMIAN
☐ WESTERN OIL TRANSPORTATION
☐ OTHER

P.O. BOX 1183 HOUSTON, TEXAS 77251-1183

FROM (OPERATOR) Pardue Farms 27-6

TO (LESSEE) Pardue Farms 27-6

1 OPENING DATE

11 28 89 11 57 85

562948 62523

STATION NO. 029

GPS QUALITY 420 52 10

TANK GAUGE OIL LEVEL

1 11:00:14 54

2 11:09:14

ESTIMATE BARRELS 18513

METER READINGS

CLOSING 11:00:14 54

OPENING 11:09:14

GROSS BARRELS 18513

NET BARRELS 18514

REMARKS

Sec. 27-23S-28E

DRIVER - GAUGER Eldred G. Nibbel DATE 11-27-89

WITNESS Matthew L. Fanning OFF SEAL NSD

DRIVER - GAUGER Matthew L. Fanning DATE 11-28-89

WITNESS Matthew L. Fanning OFF SEAL NSD

OCR 1-400M REV. 12-87

CUSTOMER



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 316-9

Date Run 03/16/89

Date Sampled 03/16/89

BRUSHY CANYON

Analysis For: BENNETT & CATHEY URLN.

Lease: PARDUE FARMS 27 #4

Producer: PARKER PARSLEY PETR.

Location

County

EDDY

State

NEW MEXICO

Purpose

Sampled By

B & C URLN.

Sampling Temp. 60 °F

Atmos Temp. °F

Volume/day

Formation

Pressure on Bomb 93

PSIG: Line Pressure 106.2 PSIA PSIG

Gas Component

Analysis

Press. Base 14.73

Mol. %

Liq. %

GPM
Per MCF

Carbon Dioxide CO₂

.722

Oxygen O₂

4.687

Nitrogen N₂

Hydrogen Sulfide H₂S

Methane C₁

75.902

Ethane C₂

10.378

Propane C₃

4.792

Iso-Butane IC₄

.560

Nor-Butane NC₄

1.582

Iso-Pentane IC₅

.376

Nor-Pentane NC₅

.418

Hexanes plus

.583

Hexanes C₆

Heptanes

Heptanes Plus C₇+

Total

100.000

5.336

Pentane + G.P.M.

.558

Propane + GPM

2.561

26-lb Gasoline

BTU Dry

1211

BTU Wet

1190

Calc. Specific Gravity

.743

@ Std. Press. 14.696

BTU Dry

1209

BTU Wet

1188

Calc. Vap. Press. #/Sq.in

Reid Vap. Press. #/Sq.in

Z Factor

.9967

N Value

1.2833

Ave Mol Wt

21.4440

Ave Cu Ft/Gal

Run by JEFFREY A. PROPP

Calculated By JEFFREY A. PROPP

Remarks:

Distribution:



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

BONE SPRINGS

Run No. 314-8
Date Run 03/16/89
Date Sampled 03/16/89

Analysis For: BENNETT & CATHEY WRLN.

Lease: PARDUE FARMS 27 #6

Location

Purpose

Sampling Temp. 60 °F

Volume/day

Pressure on Bomb 50

Producer

PARKER PARSLEY PETR.

County

EMERY

State

NEW MEXICO

Sampled By

B & C WRLN.

Atmos Temp.

°F

Formation

PSIG: Line Pressure

63.2

PSIA

PSIG

Gas Component

Analysis

Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO ₂	<u>5.146</u>		
Oxygen O ₂			
Nitrogen N ₂	<u>4.313</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>67.787</u>		
Ethane C ₂	<u>10.312</u>		<u>2.758</u>
Propane C ₃	<u>6.217</u>		<u>1.713</u>
Iso-Butane IC ₄	<u>.832</u>		<u>.272</u>
Nor-Butane NC ₄	<u>2.448</u>		<u>.772</u>
Iso-Pentane IC ₅	<u>.744</u>		<u>.272</u>
Nor-Pentane NC ₅	<u>.896</u>		<u>.324</u>
Hexanes plus	<u>1.305</u>		<u>.602</u>
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>6.714</u>

BTU Dry

1276

BTU Wet

1254

Calc. Specific Gravity

.852

@ Std. Press. 14.696

BTU Dry

1273

BTU Wet

1251

Calc. Vap. Press. #/Sq. In.

Reid Vap. Press. #/Sq. In.

Z Factor

.9958

N Value

1.2737

Ave Mol Wt

24.5877

Ave Cu Ft/Gal

Run by JEFFREY A. PROPP

Calculated By JEFFREY A. PROPP

Pentane ~ G.P.M.
Propane + GPM
26-lb Gasoline

1.199

3.956

Remarks:

Distribution:

Exhibit 86

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

IN THE MATTER OF THE
APPLICATION OF PARKER & PARSLEY
PETROLEUM COMPANY FOR
DOWNHOLE COMMINGLING
EDDY COUNTY, NEW MEXICO

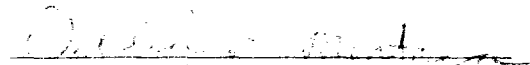
Case No. 9647

CERTIFICATE OF MAILING
AND
COMPLIANCE WITH ORDER R-8054

In accordance with Division Rule 1207 (Order R-8054) I hereby certify that on March 20, 1989, I caused to be mailed by certified mail-return receipt, a notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for April 12, 1989 to the parties shown in the Application as evidenced by the attached copy of the return receipt cards.


W. Thomas Kellahin

SUBSCRIBED AND SWORN TO before me this April 11, 1989
by W. Thomas Kellahin, attorney for applicant.


Notary Public

My Commission Expires:

July 1, 1989

WTK/Parker & Parsley/Pardue Farms #27 Well No. 4

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☒ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)	
3. Article Addressed to: Ms. Billie Queens Route 211 Ash Road Loving, NM 88256	4. Article Number P 484 057 464 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.
5. Signature - Address X <i>Wilton Wessels</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 3-23-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

WTK/Parker & Parsley/Pardue Farms #27 Well No. 4

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☒ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)	
3. Article Addressed to: Mr. Wilton Wessels P.O. Box 940 Marble Falls, TX 77090	4. Article Number P 484 057 463 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.
5. Signature - Address X <i>Wilton Wessels</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 4-3-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

+ WTK/Parker & Parsley/Pardue Farms #27 Well 4

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. ☒ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)	
3. Article Addressed to: HNG Oil Company c/o Enron Oil & Gas Co P.O. Box 2267 Hobbs, NM 79702	4. Article Number P 484 057 465 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.
5. Signature — Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery 24 MAR 89 CEN	

PS Form 3811, Mar. 1988

* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

+ WTK/Parker & Parsley/Pardue Farms #27 Well 4

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. ☒ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)	
3. Article Addressed to: Amoco Production Company P.O. Box 4072 Houston, TX 79760 Odessa,	4. Article Number P 484 057 466 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.
5. Signature — Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery 3-23-89	

PS Form 3811, Mar. 1988

* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

WTK/Parker & Parsley/Pardue Forms #27 Well 4

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Ms. Billie Queens Route 211 Ash Road Loving, NM 88256	4. Article Number P 484 057 464
Type of Service: ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ COD ☐ Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address ☒ <i>Wanda W Queen</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent ☒	
7. Date of Delivery <i>3-23-89</i>	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT
WTK/Parker & Parsley/Pardue Forms #27 Well 4

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Amoco Production Company P.O. Box 4072 Houston, TX 79760 <i>Odessa,</i>	4. Article Number P 484 057 466
Type of Service: ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ COD ☐ Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address ☒	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent ☒ <i>Wanda W Queen</i>	
7. Date of Delivery <i>3-23-89</i>	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: HNG Oil Company c/o Enron Oil & Gas Co P.O. Box 2267 Hobbs, NM 79702	4. Article Number P 484 057 465
Type of Service: ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ COD ☐ Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address ☒	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent ☒ <i>Wanda W Queen</i>	
7. Date of Delivery <i>3-23-89</i>	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT
WTK/Parker & Parsley/Pardue Forms #27 Well No.

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Wilton Wessels P.O. Box 940 Marble Falls, TX 77090	4. Article Number P 484 057 463
Type of Service: ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ COD ☐ Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address ☒ <i>Wilton Wessels</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent ☒	
7. Date of Delivery <i>3-23-89</i>	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested" adjacent to number.

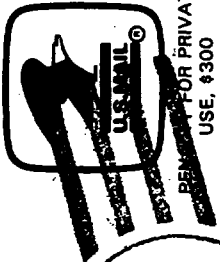
RETURN
TO

Print Sender's name, address, and ZIP Code in the space below.

Kellahin, Kellahin & Aubrey

Post Office Box 2265

Santa Fe, New Mexico 87504-2265



PENALTY FOR PRIVATE
USE, \$300

RECEIVED MAR 24 1989
MAR 23 PM 1989
NM

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested" adjacent to number.

RETURN
TO

Print Sender's name, address, and ZIP Code in the space below.

KELLAHIN, KELLAHIN & AUBREY
P. O. Box 2265
Santa Fe, NM 87504-2265



PENALTY FOR PRIVATE
USE, \$300

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested" adjacent to number.

RETURN
TO

Print Sender's name, address, and ZIP Code in the space below.

KELLAHIN, KELLAHIN & AUBREY
P. O. Box 2265
Santa Fe, NM 87504-2265



PENALTY FOR PRIVATE
USE, \$300

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested" adjacent to number.

RETURN
TO

Print Sender's name, address, and ZIP Code in the space below.

KELLAHIN, KELLAHIN & AUBREY
P. O. Box 2265
Santa Fe, NM 87504-2265



PENALTY FOR PRIVATE
USE, \$300

RECEIVED APR 05 1989

KELLAHIN, KELLAHIN AND AUBREY

Attorneys at Law

El Patio - 117 North Guadalupe

Post Office Box 2265

Santa Fe, New Mexico 87504-2265

Telephone 982-4285

Area Code 505

W. Thomas Kellahin

Karen Aubrey

Jason Kellahin

Of Counsel

March 20, 1989

HAND-DELIVERED

Mr. William J. LeMay
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Application of Parker &
Parsley Petroleum Company
for Downhole Commingling,
Pardue Farms #27 Well No. 4
Eddy County, New Mexico

Dear Mr. LeMay:

On behalf of Parker & Parsley Petroleum Company, please find enclosed our Application for approval to downhole commingle production from the South Culebra Bone Springs and the Undesignated Brushy (Delaware) Canyon in the Pardue Farms #27 Well No. 4.

We would appreciate this application being set for hearing at the next available Examiner's docket now scheduled for April 12, 1989.

By copy of this letter including a copy of the application, we are sending by certified mail, return-receipt requested notification of this Application and hearing date to all offsetting operators. They are advised of their right to appear at the hearing either in support of or in opposition to the Application.

Very truly yours,

Original signed by

W. THOMAS KELLAHIN

W. Thomas Kellahin

WTK/rs

Encl.

cc: Randy Johnson - Parker & Parsley Petroleum Company

Certified Mail:

Parties listed on Exhibit C of Application.

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

IN THE MATTER OF THE APPLICATION
OF PARKER & PARSLEY PETROLEUM COMPANY
FOR A DOWNHOLE COMMINGLING,
EDDY COUNTY, NEW MEXICO

Case No. _____

A P P L I C A T I O N

COMES NOW, PARKER & PARSLEY PETROLEUM COMPANY, by and through its attorneys, Kellahin, Kellahin & Aubrey, and applies to the New Mexico Oil Conservation Division for an order approving the downhole commingling of production from the undesignated Brushy (Delaware) Canyon formation and the South Culebra Bluff Bone Springs Oil Pool in its Pardue Farms #27 Well No. 4 located 660' FSL and 660' FEL (Unit P) of Section 27, T23S, R28E, Eddy County, New Mexico and in support thereof would show:

1. Applicant is the operator of the Pardue Farms #27 Well No. 4 located 660' FSL and 660' FEL of Section 27, T23S, R28E, NMPN, Eddy County, New Mexico as set forth on the plat of the area attached hereto as Exhibit A.

2. The 40 acres consisting of the SE/4 SE/4 of Section 27 is dedicated to the undesignated Brushy (Delaware) Canyon production and 80 acres consisting of the S/2 SE/4 of said Section 27 is dedicated to the South Culebra Bluff Bone Springs Pool production.

3. Applicant proposes that the commingled production be allocated to the well based upon the allocation formula set forth on Exhibit B attached hereto.

4. Applicant has notified all of the offsetting operators shown on Exhibit C of this application and its request that this matter be heard at the Examiner's hearing now scheduled for April 12, 1989.

5. The subject well is only capable of relatively low rates of production from the South Culebra Bone Springs pool.

6. While the well is capable of oil production from the undesignated Brushy (Delaware) Canyon formation in excess of 10 barrels of oil per day it requires artificial lift of that production.

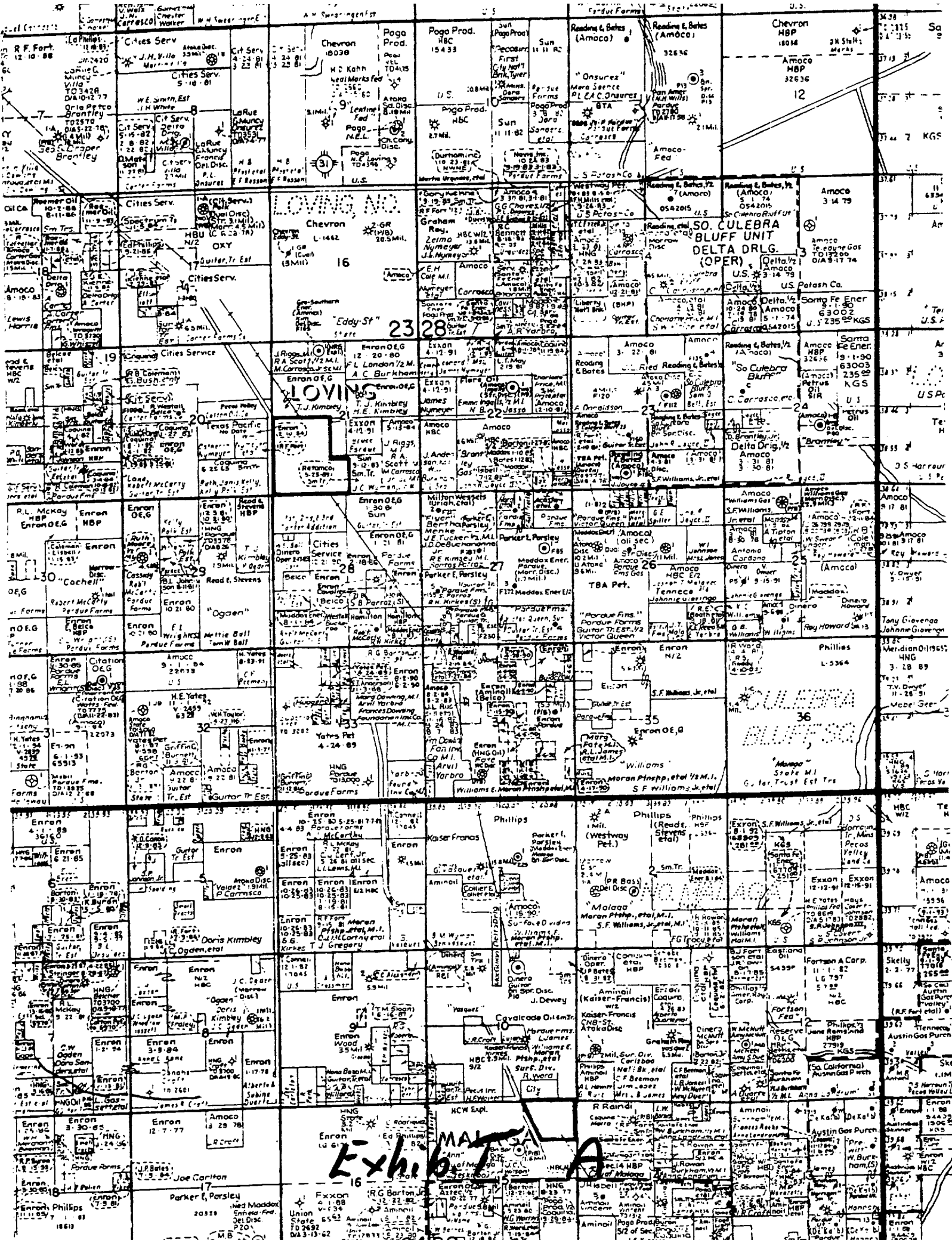
7. The approval to downhole commingle production will allow the operator the opportunity to produce the remaining reserves in the South Culebra Bone Springs formation thereby avoiding waste of oil from a formation which will otherwise be abandoned.

WHEREFORE, applicant requests that this matter be set for hearing and that after notice and hearing, the application be granted as requested.

Respectfully submitted,

Original signed by
W. THOMAS KELLAHIN
By: _____
W. Thomas Kellahin
Kellahin, Kellahin & Aubrey
Post Office Box 2265
Santa Fe, New Mexico 87504

(505) 982-4285



ALLOCATION OF PRODUCTION

Oil Production:

Brushy Canyon	35 BOPD	97%
Bone Springs	1.2 BOPD	3%
TOTAL	36.2 BOPD	100%

Gas Production:

Brushy Canyon	80 MCFPD	92%
Bone Springs	7 MCFPD	8%
TOTAL	87 MCFPD	100%

EXHIBIT C OF APPLICATION FOR
PARKER & PARSLEY PETROLEUM COMPANY

Amoco Production Company
P.O. Box 4072
Houston, Texas 79760

HNG Oil Company
c/o Enron Oil & Gas Company
P.O. Box 2267
Midland, Texas 79702

Ms. Billie Queen
Route 211 Ash Road
Loving, New Mexico 88256

Mr. Milton Wessels
P.O. Box 940
Marble Falls, Texas 77090