

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                 |                                                                                                                        |                                                                            |                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____                                                                                    |                                                                                                                        | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-025497                           |                                                           |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____ |                                                                                                                        | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                       |                                                           |
| 2. NAME OF OPERATOR<br>Sun Oil Company                                                                                                                                                                                          |                                                                                                                        | 7. UNIT AGREEMENT NAME                                                     |                                                           |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 1861, Midland, TX 79702                                                                                                                                                                      |                                                                                                                        | 8. FARM OR LEASE NAME<br>Jennings A Federal                                |                                                           |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 660' FSL & 1980' FEL Unit Ltr. "0"<br>At top prod. interval reported below<br>At total depth                         |                                                                                                                        | 9. WELL NO.<br>2                                                           |                                                           |
| 14. PERMIT NO.                                                                                                                                                                                                                  |                                                                                                                        | 10. FIELD AND POOL, OR WILDCAT<br>Northeast Lusk - Yates                   |                                                           |
| DATE ISSUED<br>1-23-81                                                                                                                                                                                                          |                                                                                                                        | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec 15, T 19S, R 32 E |                                                           |
| 15. DATE SPUDDED<br>2-16-81                                                                                                                                                                                                     |                                                                                                                        | 12. COUNTY OR PARISH<br>Lea                                                |                                                           |
| 16. DATE T.D. REACHED<br>2-22-81                                                                                                                                                                                                |                                                                                                                        | 13. STATE<br>NM                                                            |                                                           |
| 17. DATE COMPL. (Ready to prod.)                                                                                                                                                                                                |                                                                                                                        | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>3619.1 GR                       |                                                           |
| 20. TOTAL DEPTH, MD & TVD<br>3100'                                                                                                                                                                                              |                                                                                                                        | 19. ELEV. CASINGHEAD                                                       |                                                           |
| 21. PLUG, BACK T.D., MD & TVD<br>NA                                                                                                                                                                                             |                                                                                                                        | 23. INTERVALS DRILLED BY<br>0-3100                                         |                                                           |
| 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                                                                                               |                                                                                                                        | ROTARY TOOLS                                                               |                                                           |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>NA                                                                                                                                             |                                                                                                                        | CABLE TOOLS                                                                |                                                           |
| 25. TYPE ELECTRIC AND OTHER LOGS RUN<br>Dual Laterlog & Compensated Neutron-Formation Density Log                                                                                                                               |                                                                                                                        | 25. WAS DIRECTIONAL SURVEY MADE<br>No                                      |                                                           |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Dual Laterlog & Compensated Neutron-Formation Density Log                                                                                                                               |                                                                                                                        | 27. WAS WELL CORED<br>Yes                                                  |                                                           |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                              |                                                                                                                        |                                                                            |                                                           |
| CASING SIZE<br>8 5/8"                                                                                                                                                                                                           | WEIGHT, LB./FT.<br>24#                                                                                                 | DEPTH SET (MD)<br>418'                                                     | HOLE SIZE                                                 |
| CEMENTING RECORD<br>375 Sx. Class "C"                                                                                                                                                                                           |                                                                                                                        | AMOUNT PULLED<br>None                                                      |                                                           |
| 29. LINER RECORD                                                                                                                                                                                                                |                                                                                                                        |                                                                            |                                                           |
| SIZE                                                                                                                                                                                                                            | TOP (MD)                                                                                                               | BOTTOM (MD)                                                                | SCREEN (MD)                                               |
| 30. TUBING RECORD                                                                                                                                                                                                               |                                                                                                                        |                                                                            |                                                           |
| SIZE                                                                                                                                                                                                                            | DEPTH SET (MD)                                                                                                         | PACKER SET (MD)                                                            |                                                           |
| 31. PERFORATION RECORD (Interval, size and number)<br>None                                                                                                                                                                      |                                                                                                                        |                                                                            |                                                           |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                  |                                                                                                                        |                                                                            |                                                           |
| DEPTH INTERVAL (MD)<br>ACCEPTED FOR RECORD<br>ROGER A. CHAPMAN<br>MAY 4 1981                                                                                                                                                    |                                                                                                                        | AMOUNT AND KIND OF MATERIAL USED                                           |                                                           |
| 33. PRODUCTION                                                                                                                                                                                                                  |                                                                                                                        |                                                                            |                                                           |
| DATE FIRST PRODUCTION<br>NA                                                                                                                                                                                                     | PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump)<br>U.S. GEOLOGICAL SURVEY<br>ROSWELL, NEW MEXICO |                                                                            | WELL STATUS (Producing or shut-in)<br>Plugged & Abandoned |
| DATE OF TEST<br>NA                                                                                                                                                                                                              | HOURS TESTED                                                                                                           | CHOKE SIZE                                                                 | TEST PERIOD                                               |
| FLOW. TUBING PRESS.                                                                                                                                                                                                             | CASING PRESSURE                                                                                                        | CALCULATED 24-HOUR RATE                                                    | OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)      |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>NA                                                                                                                                                                |                                                                                                                        |                                                                            |                                                           |
| 35. LIST OF ATTACHMENTS<br>Inclination Report - Dual Laterlog - Compensated Neutron-Formation Density Log                                                                                                                       |                                                                                                                        |                                                                            |                                                           |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                               |                                                                                                                        |                                                                            |                                                           |
| SIGNED <i>Louis Williams</i>                                                                                                                                                                                                    |                                                                                                                        | TITLE Sr. Accounting Assistant                                             |                                                           |
| DATE 4-29-81                                                                                                                                                                                                                    |                                                                                                                        |                                                                            |                                                           |

\*(See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal agency having jurisdiction. For instructions on how to complete this form, see the instructions on the back of this form. For more information, see the instructions on the back of this form.

[illegible]

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State officials for more information. If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with State requirements. Consult local State officials for more information.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval zone (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, showing the additional data pertinent to such interval.

interval, or intervals, top (s), bottom (s) and name(s) (1, 2, 3, 4, 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,

**Item 20. "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of each additional interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |       |        |                                                                                                                                                                                                                                       | 38. GEOLOGIC MARKERS        |                         |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|------------------|
| FORMATION                                                                                                                                                                                                                                             | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                                                           | NAME                        | MEAS. DEPTH             | TRUE VERT. DEPTH |
| Yates                                                                                                                                                                                                                                                 | 2844' | N/A    | DST #1 - 3000-3100'<br>3/4 Hr w/weak blow--1 hr no blow no gts.<br>SI 1 1/2 hr pull & recover 10' drlg mud,<br>sample chamber 10# PSI slight trace gas.<br>IMW 1710, IF 71-71, ISIP 1006, FF 71-76,<br>FSIP 1017, FMW 1710, BHT 86°F. | Rustler<br>Tansill<br>Yates | 1021'<br>2628'<br>2844' |                  |
| Yates                                                                                                                                                                                                                                                 | 2844' | N/A    | CORE #1<br>Pull & recover 70' ANHY, DOL & Sand.<br>No show.                                                                                                                                                                           |                             |                         |                  |