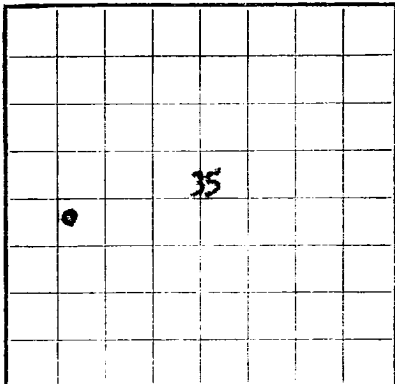




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078213
LEASE OR PERMIT TO PROSPECT N/2
Sec. 35, T-30N, R-13W, N.M.P.M.
San Juan Cty., N.M.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Prod. Co. Address P. O. Box 608 - Farmington, N.M.
Lessor or Tract City of Farmington Field Basin Dakota State New Mexico
Well No. 2-35 Sec. 35 T. 30-N R. 13-W Meridian N.M.P.M. County San Juan
Location 2510 ft. N. of 3 Line and 790 ft. E. of 2 Line of Sec. 35 Elevation 5520 GL
(Derriek floor relative to sea level)The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.Signed D. J. MacyDate January 7, 1963Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 12-7-, 19 62 Finished drilling 12-19-, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6315 to 6334 No. 4, from 6217 to 6219
No. 2, from 6235 to 6293 No. 5, from 6165 to 6149
No. 3, from 6257 to 6234 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8</u>	<u>21.5</u>	<u>3rd.</u>	<u>3-75</u>	<u>6215</u>	<u>None</u>	<u>6215</u>	<u>6215</u>	<u>6215</u>	<u>Perforated</u>
<u>4-1/2</u>	<u>11.5</u>	<u>3rd.</u>	<u>3-75</u>	<u>6215</u>	<u>None</u>	<u>6215</u>	<u>6215</u>	<u>6215</u>	<u>Perforated</u>
<u>1-1/2</u>	<u>1.90</u>	<u>3rd.</u>	<u>3-75</u>	<u>6220</u>	<u>None</u>	<u>6220</u>	<u>6220</u>	<u>6220</u>	<u>Perforated</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>271 RKB</u>	<u>200</u>	<u>Pump Plug</u>		
<u>4-1/2</u>	<u>6359 RKB</u>		<u>Circ. 200 cu. ft. 50-50 portix w/6% gel. 1/64" gel</u>		
			<u>Flare, 10% salt/sk. w/1/2% TIC, followed by 200 cu. ft. 50-50 portix</u>		
			<u>w/2% gel, 1/64" gel flare & 10% salt/sk. w/1/2% TIC. Tailed in with</u>		
			<u>PLUGS AND ADAPTERS 75 sks. latex cement.</u>		

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perf. 1 hole @ following depths: <u>6315, 6337, 6334, 6285, 6287, 6271, 6273, 6257, 6255,</u>						
<u>6252, 6250, 6247, 6241, 6239, 6237, 6234, 6217, 6215, 6213, 6265, 6160, 6157, 6152,</u>						
<u>6149. Frased with 110,000 gal sand and 101,500 gal. water w/1% gel.</u>						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Jan. 8, 19 63 Put to producing _____, 19 _____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%

emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 4,135

CAUSE - 5752 MONTH - SLIP 2016 ; ROP 2013

EMPLOYEES

Aspen Drilling Co., Driller _____ Causey, Driller

Sample, Driller _____ R. P. Webb, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>265</u>	<u>265</u>	<u>Wasatch</u>
<u>265</u>	<u>1310</u>	<u>1045</u>	<u>Kirtland</u>
<u>1310</u>	<u>1580</u>	<u>270</u>	<u>Fruitland</u>
<u>1580</u>	<u>1760</u>	<u>180</u>	<u>Pictured Cliffs</u>
<u>1760</u>	<u>3140</u>	<u>1380</u>	<u>Lewis</u>
<u>3140</u>	<u>4355</u>	<u>1215</u>	<u>Mesa Verde</u>
<u>4355</u>	<u>6095</u>	<u>1740</u>	<u>Hancos</u>
<u>6095</u>	<u>6374</u>	<u>279</u>	<u>Dakota</u>

NEW PAGE 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, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 8

The quantity on this page is for the collection of the wetland alone.

And my object:

IMPORTANT: NO FEE BANDS

W. G. S. CHURCH

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

CONFIDENTIAL - EYES ONLY

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EMFLORES.

FORMATION RECORD

2012/07/01

FORMATION

LETTERS

-OL

—150—

FORMATION RECORD—Continued