

PAN AMERICAN PETROLEUM CORPORATION

Post Office Box 66
 Hobbs, New Mexico

July 21, 1957

File: HMA-519-470.1

Subject: Application for Exception to
 Rule 5 (A), Order No. H-610,
 Pan American Petroleum Corpora-
 tion's W. H. Turner Well No. 3,
 Blinbry Field

Mr. W. L. Porter, Jr. (3)
 New Mexico Oil Conservation Commission
 P.O. Box 871
 Santa Fe, New Mexico

Dear Sir:

Under the provisions of Commission Order No. H-610, Rule 5 (B), Special Rules and Regulations for the Blinbry Gas Pool, delegating the Director of the Commission authority to establish a non-standard gas proration unit by administrative action without notice and hearing, Pan American Petroleum Corporation hereby applies for an exception to Rule 5 (A) of Order H-610 for W. H. Turner Well No. 3, dually completed as a gas-gas well.

In support of the above application the following data are furnished:

1. Application is submitted in triplicate.
2. The proposed non-standard gas proration unit of 90 contiguous acres consists of the S/2 of SE/4 Section 29, T-21-S, R-37-E.
3. Exact location and name of well involved:
 W. H. Turner Well No. 3 located 560' from the South line and 760' from the East line of Section 29, T-21-S, R-37-E, N.M.P.M., Lea County, New Mexico.
4. The non-standard gas proration unit lies wholly within a single governmental section.
5. The entire proposed non-standard gas proration unit may reasonably be presumed to be productive of gas from the Blinbry Gas Pool.

COPY

12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87, 90, 93, 96, 99

100, 102, 105, 108, 111, 114, 117, 120, 123, 126, 129, 132, 135, 138, 141, 144, 147, 150, 153, 156, 159, 162, 165, 168, 171, 174, 177, 180, 183, 186, 189, 192, 195, 198, 201, 204, 207, 210, 213, 216, 219, 222, 225, 228, 231, 234, 237, 240, 243, 246, 249, 252, 255, 258, 261, 264, 267, 270, 273, 276, 279, 282, 285, 288, 291, 294, 297, 300

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2. 在下列各数中，找出所有能被 5 整除的数。

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300

3. 在下列各数中，找出所有能被 7 整除的数。

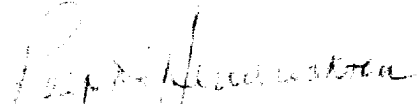
7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98, 105, 112, 119, 126, 133, 140, 147, 154, 161, 168, 175, 182, 189, 196, 203, 210, 217, 224, 231, 238, 245, 252, 259, 266, 273, 280, 287, 294, 301, 308, 315, 322, 329, 336, 343, 350, 357, 364, 371, 378, 385, 392, 399, 406, 413, 420, 427, 434, 441, 448, 455, 462, 469, 476, 483, 490, 497, 504, 511, 518, 525, 532, 539, 546, 553, 560, 567, 574, 581, 588, 595, 602, 609, 616, 623, 630, 637, 644, 651, 658, 665, 672, 679, 686, 693, 700, 707, 714, 721, 728, 735, 742, 749, 756, 763, 770, 777, 784, 791, 798, 805, 812, 819, 826, 833, 840, 847, 854, 861, 868, 875, 882, 889, 896, 903, 910, 917, 924, 931, 938, 945, 952, 959, 966, 973, 980, 987, 994, 1001, 1008, 1015, 1022, 1029, 1036, 1043, 1050, 1057, 1064, 1071, 1078, 1085, 1092, 1099, 1106, 1113, 1120, 1127, 1134, 1141, 1148, 1155, 1162, 1169, 1176, 1183, 1190, 1197, 1204, 1211, 1218, 1225, 1232, 1239, 1246, 1253, 1260, 1267, 1274, 1281, 1288, 1295, 1302, 1309, 1316, 1323, 1330, 1337, 1344, 1351, 1358, 1365, 1372, 1379, 1386, 1393, 1400, 1407, 1414, 1421, 1428, 1435, 1442, 1449, 1456, 1463, 1470, 1477, 1484, 1491, 1498, 1505, 1512, 1519, 1526, 1533, 1540, 1547, 1554, 1561, 1568, 1575, 1582, 1589, 1596, 1603, 1610, 1617, 1624, 1631, 1638, 1645, 1652, 1659, 1666, 1673, 1680, 1687, 1694, 1701, 1708, 1715, 1722, 1729, 1736, 1743, 1750, 1757, 1764, 1771, 1778, 1785, 1792, 1799, 1806, 1813, 1820, 1827, 1834, 1841, 1848, 1855, 1862, 1869, 1876, 1883, 1890, 1897, 1904, 1911, 1918, 1925, 1932, 1939, 1946, 1953, 1960, 1967, 1974, 1981, 1988, 1995, 2002, 2009, 2016, 2023, 2030, 2037, 2044, 2051, 2058, 2065, 2072, 2079, 2086, 2093, 2100, 2107, 2114, 2121, 2128, 2135, 2142, 2149, 2156, 2163, 2170, 2177, 2184, 2191, 2198, 2205, 2212, 2219, 2226, 2233, 2240, 2247, 2254, 2261, 2268, 2275, 2282, 2289, 2296, 2303, 2310, 2317, 2324, 2331, 2338, 2345, 2352, 2359, 2366, 2373, 2380, 2387, 2394, 2401, 2408, 2415, 2422, 2429, 2436, 2443, 2450, 2457, 2464, 2471, 2478, 2485, 2492, 2499, 2506, 2513, 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3682, 3689, 3696, 3703, 3710, 3717, 3724, 3731, 3738, 3745, 3752, 3759, 3766, 3773, 3780, 3787, 3794, 3801, 3808, 3815, 3822, 3829, 3836, 3843, 3850, 3857, 3864, 3871, 3878, 3885, 3892, 3899, 3906, 3913, 3920, 3927, 3934, 3941, 3948, 3955, 3962, 3969, 3976, 3983, 3990, 3997, 4004, 4011, 4018, 4025, 4032, 4039, 4046, 4053, 4060, 4067, 4074, 4081, 4088, 4095, 4102, 4109, 4116, 4123, 4130, 4137, 4144, 4151, 4158, 4165, 4172, 4179, 4186, 4193, 4200, 4207, 4214, 4221, 4228, 4235, 4242, 4249, 4256, 4263, 4270, 4277, 4284, 4291, 4298, 4305, 4312, 4319, 4326, 4333, 4340, 4347, 4354, 4361, 4368, 4375, 4382, 4389, 4396, 4403, 4410, 4417, 4424, 4431, 4438, 4445, 4452, 4459, 4466, 4473, 4480, 4487, 4494, 4501, 4508, 4515, 4522, 4529, 4536, 4543, 4550, 4557, 4564, 4571, 4578, 4585, 4592, 4599, 4606, 4613, 4620, 4627, 4634, 4641, 4648, 4655, 4662, 4669, 4676, 4683, 4690, 4697, 4704, 4711, 4718, 4725, 4732, 4739, 4746, 4753, 4760, 4767, 4774, 4781, 4788, 4795, 4802, 4809, 4816, 4823, 4830, 4837, 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9492, 9499, 9506, 9513, 9520, 9527, 9534, 9541, 9548, 9555, 9562, 9569, 9576, 9583, 9590, 9597, 9604, 9611, 9618, 9625, 9632, 9639, 9646, 9653, 9660, 9667, 9674, 9681, 9688, 9695, 9702, 9709, 9716, 9723, 9730, 9737, 9744, 9751, 9758, 9765, 9772, 9779, 9786, 9793, 9800, 9807, 9814, 9821, 9828, 9835, 9842, 9849, 9856, 9863, 9870, 9877, 9884, 9891, 9898, 9905, 9912, 9919, 9926, 9933, 9940, 9947, 9954, 9961, 9968, 9975, 9982, 9989, 9996, 10003, 10010, 10017, 10024, 10031, 10038, 10045, 10052, 10059, 10066, 10073, 10080, 10087, 10094, 10101, 10108, 10115, 10122, 10129, 10136, 10143, 10150, 10157, 10164, 10171, 10178, 10185, 10192, 10199, 10206, 10213, 10220, 10227, 10234, 10241, 10248, 10255, 10262, 10269, 10276, 10283, 10290, 10297, 10304, 10311, 10318, 10325, 10332, 10339, 10346, 10353, 10360, 10367, 10374, 10381, 10388, 10395, 10402, 10409, 10416, 10423, 10430, 10437, 10444, 10451, 10458, 10465, 10472, 10479, 10486, 10493, 10500, 10507, 10514, 10521, 10528, 10535, 10542, 10549, 10556, 10563, 10570, 10577, 10584, 10591, 10598, 10605, 10612, 10619, 10626, 10633, 10640, 10647, 10654, 10661, 10668, 10675, 10682, 10689, 10696, 10703, 10710, 10717, 10724, 10731, 10738, 10745, 10752, 10759, 10766, 10773, 10780, 10787, 10794, 10801, 10808, 10815, 10822, 10829, 10836, 10843, 10850, 10857, 10864, 10871, 10878, 10885, 10892, 10899, 10906, 10913, 10920, 10927, 10934, 10941, 10948, 10955, 10962, 10969, 10976, 10983, 10990, 10997, 11004, 11011, 11018, 11025, 11032, 11039, 11046, 11053, 11060, 11067, 11074, 11081, 11088, 11095, 11102, 11109, 11116, 11123, 11130, 11137, 11144, 11151, 11158, 11165, 11172, 11179, 11186, 11193, 11200, 11207, 11214, 11221, 11228, 11235, 11242, 11249, 11256, 11263, 11270, 11277, 11284, 11291, 11298, 11305, 11312, 11319, 11326, 11333, 11340, 11347, 11354, 11361, 11368, 11375, 11382, 11389, 11396, 11403, 11410, 11417, 11424, 11431, 11438, 11445, 11452, 11459, 11466, 11473, 11480, 11487, 11494, 11501, 11508, 11515, 11522, 11529, 11536, 11543, 11550, 11557, 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12565, 12572, 12579, 12586, 12593, 12600, 12607, 12614, 12621, 12628, 12635, 12642, 12649, 12656, 12663, 12670, 12677, 12684, 12691, 12698, 12705, 12712, 12719, 12726, 12733, 12740, 12747, 12754, 12761, 12768, 12775, 12782, 12789, 12796, 12803, 12810, 12817, 12824, 12831, 12838, 12845, 12852, 12859, 12866, 12873, 12880, 12887, 12894, 12901, 12908, 12915, 12922,

6. The length and width of the proposed non-standard gas proration unit does not exceed 2640'.
7. The entire proposed non-standard gas proration unit lies within the horizontal limits of the Glinabry Gas Pool.
8. By copy of this letter of application, all operators owning interest in the quarter section in which the non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit and all operators owning interest within 1500' of the well have been notified by registered mail of this application, as shown on the attached mailing list.

A plat showing acreage to be dedicated, well location and offset ownership is attached.

Yours very truly,

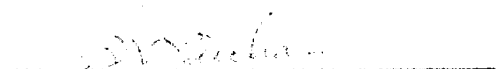
PAN AMERICAN PETROLEUM CORPORATION


Ralph L. Hendrickson
Field Superintendent

State of New Mexico
County of Lea

On this 24th day of July, 1957, before me personally appeared Ralph L. Hendrickson, to me known to be the person who executed the foregoing letter and states the foregoing statements are true to the best of his knowledge and belief.

In witness whereof, I have hereunto set my hand and affixed my seal on this the day and year first above written.


Notary Public for the State of
New Mexico, County of Lea

My Commission Expires: 3-3-60

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $f(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, it is proved that the function $f(x)$ has a horizontal asymptote at $y = \frac{\pi}{2}$ as $x \rightarrow \pm\infty$. The function $f(x)$ is also shown to be continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of $f(x)$ is given by the formula

$$f'(x) = \frac{1}{1+x^2}, \quad x \in \mathbb{R}.$$

It is also shown that

$$f(0) = 0.$$

The function $f(x)$ is also shown to be

$$f(x) = \arctan x.$$

$$f(x) = \arctan x.$$

2. The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $g(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, it is proved that the function $g(x)$ has a horizontal asymptote at $y = \frac{\pi}{2}$ as $x \rightarrow \pm\infty$. The function $g(x)$ is also shown to be continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of $g(x)$ is given by the formula

$$g'(x) = \frac{1}{1+x^2}, \quad x \in \mathbb{R}.$$

$$g(x) = \arctan x.$$

MAILING LIST

New Mexico Oil Conservation Commission
P.O. Box 2045
Hobbs, New Mexico

Ohio Oil Company
P.O. Box 2107
Hobbs, New Mexico

Magnolia Petroleum Company
P.O. Box 635
Midland, Texas

Gulf Oil Corporation
P.O. Box 2167
Hobbs, New Mexico

29

32

PROPOS. GAS PRORATION UNIT

MCCORMACK
SILURIAN 7200

R37E

PORTION OF BLINEBRY & TUBB FIELD
Lea Co., N.M.
Showing
PROPOSED NON-STANDARD GAS PRORATION UNIT
For
Pan American Petroleum Corporation
W. H. TURNER NO. 3

Scale: 1" = 1000'

NOTE: Acreage shown as Stanolind Oil
and Gas Co. is now the property
of Pan American Petroleum Corp.