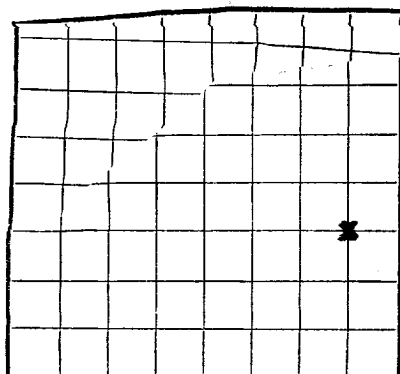


U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 071856
 LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

TERIOR

RECEIVED

JUL 31 1962

S WELL

U. S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

Company T. E. Brown Address Artesia, New Mexico
Lessor or Tract Watkins-Ped. Field Wildcat State New Mexico
Well No. 1 Sec. 5 T. 19S R. 32E Meridian NMPM County Lea
Location 1980 ft. $\left\{ \begin{smallmatrix} N. \\ S. \end{smallmatrix} \right\}$ of S. Line and 660 ft. $\left\{ \begin{smallmatrix} E. \\ W. \end{smallmatrix} \right\}$ of E. Line of Sec. 5 Elevation 3640 KB.
(Drill 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 Hugh E. Hanagan
Date July 26, 1962 Title Consultant Geologist

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

Commenced drilling June 30 @ 7:15 P.M. 62 Finished drilling July 16 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to None No. 4, from 1-12-05 to None

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3364 to 3365 No. 2 from 3365 to 3366

NO. 1, from 3560 to 3580. NO. 3, from 3580 to 3600. NO. 5, from 3600 to 3620. NO. 7, from 3620 to 3640. NO. 9, from 3640 to 3660. NO. 11, from 3660 to 3680. NO. 13, from 3680 to 3700. NO. 15, from 3700 to 3720. NO. 17, from 3720 to 3740. NO. 19, from 3740 to 3760. NO. 21, from 3760 to 3780. NO. 23, from 3780 to 3800. NO. 25, from 3800 to 3820. NO. 27, from 3820 to 3840. NO. 29, from 3840 to 3860. NO. 31, from 3860 to 3880. NO. 33, from 3880 to 3900. NO. 35, from 3900 to 3920. NO. 37, from 3920 to 3940. NO. 39, from 3940 to 3960. NO. 41, from 3960 to 3980. NO. 43, from 3980 to 4000. NO. 45, from 4000 to 4020. NO. 47, from 4020 to 4040. NO. 49, from 4040 to 4060. NO. 51, from 4060 to 4080. NO. 53, from 4080 to 4100. NO. 55, from 4100 to 4120. NO. 57, from 4120 to 4140. NO. 59, from 4140 to 4160. NO. 61, from 4160 to 4180. NO. 63, from 4180 to 4200. NO. 65, from 4200 to 4220. NO. 67, from 4220 to 4240. NO. 69, from 4240 to 4260. NO. 71, from 4260 to 4280. NO. 73, from 4280 to 4300. NO. 75, from 4300 to 4320. NO. 77, from 4320 to 4340. NO. 79, from 4340 to 4360. NO. 81, from 4360 to 4380. NO. 83, from 4380 to 4400. NO. 85, from 4400 to 4420. NO. 87, from 4420 to 4440. NO. 89, from 4440 to 4460. NO. 91, from 4460 to 4480. NO. 93, from 4480 to 4500. NO. 95, from 4500 to 4520. NO. 97, from 4520 to 4540. NO. 99, from 4540 to 4560. NO. 101, from 4560 to 4580. NO. 103, from 4580 to 4600. NO. 105, from 4600 to 4620. NO. 107, from 4620 to 4640. NO. 109, from 4640 to 4660. NO. 111, from 4660 to 4680. NO. 113, from 4680 to 4700. NO. 115, from 4700 to 4720. NO. 117, from 4720 to 4740. NO. 119, from 4740 to 4760. NO. 121, from 4760 to 4780. NO. 123, from 4780 to 4800. NO. 125, from 4800 to 4820. NO. 127, from 4820 to 4840. NO. 129, from 4840 to 4860. NO. 131, from 4860 to 4880. NO. 133, from 4880 to 4900. NO. 135, from 4900 to 4920. NO. 137, from 4920 to 4940. NO. 139, from 4940 to 4960. NO. 141, from 4960 to 4980. NO. 143, from 4980 to 5000. NO. 145, from 5000 to 5020. NO. 147, from 5020 to 5040. NO. 149, from 5040 to 5060. NO. 151, from 5060 to 5080. NO. 153, from 5080 to 5100. NO. 155, from 5100 to 5120. NO. 157, from 5120 to 5140. NO. 159, from 5140 to 5160. NO. 161, from 5160 to 5180. NO. 163, from 5180 to 5200. NO. 165, from 5200 to 5220. NO. 167, from 5220 to 5240. NO. 169, from 5240 to 5260. NO. 171, from 5260 to 5280. NO. 173, from 5280 to 5300. NO. 175, from 5300 to 5320. NO. 177, from 5320 to 5340. NO. 179, from 5340 to 5360. NO. 181, from 5360 to 5380. NO. 183, from 5380 to 5400. NO. 185, from 5400 to 5420. NO. 187, from 5420 to 5440. NO. 189, from 5440 to 5460. NO. 191, from 5460 to 5480. NO. 193, from 5480 to 5500. NO. 195, from 5500 to 5520. NO. 197, from 5520 to 5540. NO. 199, from 5540 to 5560. NO. 201, from 5560 to 5580. NO. 203, from 5580 to 5600. NO. 205, from 5600 to 5620. NO. 207, from 5620 to 5640. NO. 209, from 5640 to 5660. NO. 211, from 5660 to 5680. NO. 213, from 5680 to 5700. NO. 215, from 5700 to 5720. NO. 217, from 5720 to 5740. NO. 219, from 5740 to 5760. NO. 221, from 5760 to 5780. NO. 223, from 5780 to 5800. NO. 225, from 5800 to 5820. NO. 227, from 5820 to 5840. NO. 229, from 5840 to 5860. NO. 231, from 5860 to 5880. NO. 233, from 5880 to 5900. NO. 235, from 5900 to 5920. NO. 237, from 5920 to 5940. NO. 239, from 5940 to 5960. NO. 241, from 5960 to 5980. NO. 243, from 5980 to 6000. NO. 245, from 6000 to 6020. NO. 247, from 6020 to 6040. NO. 249, from 6040 to 6060. NO. 251, from 6060 to 6080. NO. 253, from 6080 to 6100. NO. 255, from 6100 to 6120. NO. 257, from 6120 to 6140. NO. 259, from 6140 to 6160. NO. 261, from 6160 to 6180. NO. 263, from 6180 to 6200. NO. 265, from 6200 to 6220. NO. 267, from 6220 to 6240. NO. 269, from 6240 to 6260. NO. 271, from 6260 to 6280. NO. 273, from 6280 to 6300. NO. 275, from 6300 to 6320. NO. 277, from 6320 to 6340. NO. 279, from 6340 to 6360. NO. 281, from 6360 to 6380. NO. 283, from 6380 to 6400. NO. 285, from 6400 to 6420. NO. 287, from 6420 to 6440. NO. 289, from 6440 to 6460. NO. 291, from 6460 to 6480. NO. 293, from 6480 to 6500. NO. 295, from 6500 to 6520. NO. 297, from 6520 to 6540. NO. 299, from 6540 to 6560. NO. 301, from 6560 to 6580. NO. 303, from 6580 to 6600. NO. 305, from 6600 to 6620. NO. 307, from 6620 to 6640. NO. 309, from 6640 to 6660. NO. 311, from 6660 to 6680. NO. 313, from 6680 to 6700. NO. 315, from 6700 to 6720. NO. 317, from 6720 to 6740. NO. 319, from 6740 to 6760. NO. 321, from 6760 to 6780. NO. 323, from 6780 to 6800. NO. 325, from 6800 to 6820. NO. 327, from 6820 to 6840. NO. 329, from 6840 to 6860. NO. 331, from 6860 to 6880. NO. 333, from 6880 to 6900. NO. 335, from 6900 to 6920. NO. 337, from 6920 to 6940. NO. 339, from 6940 to 6960. NO. 341, from 6960 to 6980. NO. 343, from 6980 to 7000. NO. 345, from 7000 to 7020. NO. 347, from 7020 to 7040. NO. 349, from 7040 to 7060. NO. 351, from 7060 to 7080. NO. 353, from 7080 to 7100. NO. 355, from 7100 to 7120. NO. 357, from 7120 to 7140. NO. 359, from 7140 to 7160. NO. 361, from 7160 to 7180. NO. 363, from 7180 to 7200. NO. 365, from 7200 to 7220. NO. 367, from 7220 to 7240. NO. 369, from 7240 to 7260. NO. 371, from 7260 to 7280. NO. 373, from 7280 to 7300. NO. 375, from 7300 to 7320. NO. 377, from 7320 to 7340. NO. 379, from 7340 to 7360. NO. 381, from 7360 to 7380. NO. 383, from 7380 to 7400. NO. 385, from 7400 to 7420. NO. 387, from 7420 to 7440. NO. 389, from 7440 to 7460. NO. 391, from 7460 to 7480. NO. 393, from 7480 to 7500. NO. 395, from 7500 to 7520. NO. 397, from 7520 to 7540. NO. 399, from 7540 to 7560. NO. 401, from 7560 to 7580. NO. 403, from 7580 to 7600. NO. 405, from 7600 to 7620. NO. 407, from 7620 to 7640. NO. 409, from 7640 to 7660. NO. 411, from 7660 to 7680. NO. 413, from 7680 to 7700. NO. 415, from

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1093'	100 sx.	Denton Cementing Co.		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 4981 feet, and from _____ feet to _____ feet

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

DATES

Put to producing _____ 19____

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

emulsion; -----% water; and -----% sediment.

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	950	950	Unconsol. sand on surface, <u>red-beds</u> and sand.
950	2750	1800	Salt, anhydrite, polyhalite
2750	3230	480	Red beds, <u>sand</u> , anhydrite
3230	3800	570	Predominately <u>dolomite</u> - sand and anhydrite.
3800	4300	500	<u>Sand</u> , dolomite, anhydrite
4300	4600	300	<u>Dolomite</u> , anhydrite, sand
4600	4981	381	<u>Dolomite</u> , sandy toward bottom
			Electric Log Tops: Base Salt 2740 Yates 2953 7-River Dolomite 3228 Queen 3785 San Andres 4586
			(No cores or drillstem tests)

AT THE END OF COMPLETE DRILLERS LOGS, ADD GEOLOGICAL STATE WHETHER CORRELATION IS MADE.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO
JUL 11 1953
RECEIVED
U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR

00000000000000000000000000000000

1. The first step in the process of identifying a potential threat to national security is to determine the nature of the threat. This involves a thorough analysis of the threat's source, its objectives, and its potential impact on the United States.

2. Once the nature of the threat has been identified, the next step is to assess the threat's severity. This involves evaluating the threat's potential to cause harm to the United States, its allies, or its interests.

3. The third step in the process is to develop a response plan. This involves identifying the actions that should be taken to prevent the threat from materializing or to minimize its impact if it does.

4. The final step in the process is to implement the response plan. This involves coordinating the efforts of the various agencies and departments involved in the response, as well as communicating the response to the public and other stakeholders.

Subject well was spudded at 7:15 P.M., June 30, 1962 and plugged and abandoned July 16, 1962. The hole was drilled with rotary tools, air drilled from base surface casing to 3290', mist drilled from 3290' to 4586', and from 4586' to T.D. with mud. No show of oil or gas were encountered. No porosity was encountered toward the bottom or at total depth. Cement plugs were set by Denton Cementing Company of Artesia, New Mexico. None of the casing was pulled, and the hole was left full of mud with the following plugs set:

25 ex. plug set 4250 - 4175	} 25 ex. plug set 4150 - 4060
15 ex. plug set 3320 - 3280	
30 ex. plug set 2850 - 2760	
25 ex. plug set 2150 - 2060	
5 ex. surf. w/marker	

P & A 7-16-62

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reclogging, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sigetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
			1. FORMATION 2. FORMATION 3. FORMATION 4. FORMATION 5. FORMATION 6. FORMATION 7. FORMATION 8. FORMATION 9. FORMATION 10. FORMATION 11. FORMATION 12. FORMATION 13. FORMATION 14. FORMATION 15. FORMATION 16. FORMATION 17. FORMATION 18. FORMATION 19. FORMATION 20. FORMATION 21. FORMATION 22. FORMATION 23. FORMATION 24. FORMATION 25. FORMATION 26. FORMATION 27. FORMATION 28. FORMATION 29. FORMATION 30. FORMATION 31. FORMATION 32. FORMATION 33. FORMATION 34. FORMATION 35. FORMATION 36. FORMATION 37. FORMATION 38. FORMATION 39. FORMATION 40. FORMATION 41. FORMATION 42. FORMATION 43. FORMATION 44. FORMATION 45. FORMATION 46. FORMATION 47. FORMATION 48. FORMATION 49. FORMATION 50. FORMATION 51. FORMATION 52. FORMATION 53. FORMATION 54. FORMATION 55. FORMATION 56. FORMATION 57. FORMATION 58. FORMATION 59. FORMATION 60. FORMATION 61. FORMATION 62. FORMATION 63. FORMATION 64. FORMATION 65. FORMATION 66. FORMATION 67. FORMATION 68. FORMATION 69. FORMATION 70. FORMATION 71. FORMATION 72. FORMATION 73. FORMATION 74. FORMATION 75. FORMATION 76. FORMATION 77. FORMATION 78. FORMATION 79. FORMATION 80. FORMATION 81. FORMATION 82. FORMATION 83. FORMATION 84. FORMATION 85. FORMATION 86. FORMATION 87. FORMATION 88. FORMATION 89. FORMATION 90. FORMATION 91. FORMATION 92. FORMATION 93. FORMATION 94. FORMATION 95. FORMATION 96. FORMATION 97. FORMATION 98. FORMATION 99. FORMATION 100. FORMATION