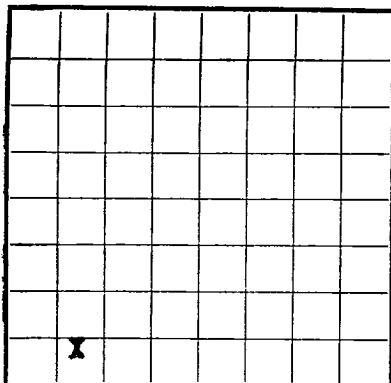


U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **NM 04443**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 487, Farmington, New Mexico**Lessor or Tract **O. J. Hoover "B"** Field **Horseshoe-Gallup** State **New Mexico**Well No. **6** Sec. **11** T. **30N** R. **16W** Meridian **N.M.P.M.** County **San Juan**Location **460** ft. **N.** of **S.** Line and **860** ft. **E.** of **W.** Line of **Section 11** Elevation **5401**
(Derrick 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. ORIGINAL SIGNED BY

Signed **R. M. Bauer, Jr.**Date **February 5, 1959**Title **Field Engineer**

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

Commenced drilling **December 30**, 19 **58** Finished drilling **January 9**, 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1943** to **1970**

No. 4, from _____ to _____

No. 2, from **2029** to **2060**

No. 5, from _____ to _____

No. 3, from _____ to _____

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—	
8-5/8"	22.7	Slip Joint	Armed	205	Guide				Surface
5-1/2"	14	ERT	CPAL	214	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	215	160 sacks cement	Halliburton No. 1 Plug		
5-1/2"	214	200 sacks cement	Halliburton No. 2 Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from **0** feet to **2117** feet, and from _____ feet to _____ feet

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

Completed as pumping oil well
Horseshoe-Gallup Field, 19 **59**

DATES

First new oil to tanks

Put to producing **February 1**, 19 **59**The production for the first 24 hours was **189** barrels of fluid of which **99.8** % was oil; _____ % emulsion; _____ % water; and **.2** % sediment. Gravity, °Bé. **40.6 API**If gas well, cu. ft. per 24 hours **Gas oil ratio not available** per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

V. C. Sartor, Driller**C. W. Flemmons**, Driller**George L. Hollowell**, Driller**T. J. Beck**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	605	605	Surface sands & shales.
605	1700	1195	Mancos shale.
1700	1890	190	Verde Gallup shale.
1890	2025	135	Verde Gallup pay.
2025	2117	92	Horseshoe Gallup pay.
			(Tops from E log)

(OVER)

16-43094-1

FORMATION RECORD

LOG OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 "sidetracked" 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 pigs 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

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

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