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U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078132**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
 Lessor or Tract A. L. Elliott "DM" Field Blanco-
Pictured Cliffs State New Mexico
 Well No. 4 Sec. 11 T. 29N R. 9W Meridian N.M.P.M. County San Juan
 Location 1850 ft. N of S Line and 1190 ft. W of E Line of Section 11 Elevation 5939

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 _____ L. O. [unclear]

Date July 22, 1958 Title Field Superintendent

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

Commenced drilling June 26, 1958 Finished drilling June 30, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2553 to 2595 (G) No. 4, from _____ to _____
 No. 2, from _____ to _____ 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	Arcep	286	Slip				Surface
5-1/2"	14	8 RT	National	2619	Slip				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"	297	240 sacks	Halliburton No. 1 Plug		
5-1/2"	2616	625 sacks	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 250 feet, and from _____ feet to _____ feet.

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

DATES

Completed as shut in Blanco-Pictured Cliffs Field Shut in for pipeline connection

Dev. Gas Well July 11	58	July 11	58
The production for the first 24	hours was	% 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. _____

1064 EMPLOYEES (Set in casing pressure 10 days)

_____, Driller
Cotton Ginson

_____, Driller

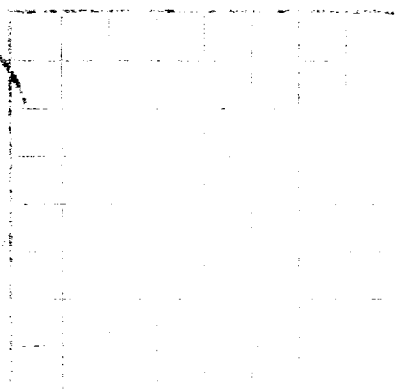
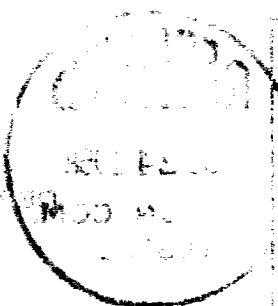
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1360	1360	Surface sand & shale and Animas shale.
1360	1556	196	Ojo Alamo sandstone.
1556	2115	559	Kirtland-Farmington sand & shale.
2115	2548	433	Fruitland sands, shale and coals.
2548	2620	72	Pictured Cliffs sandstone.
			(Tops from E log)

[OVER]

16-43094-4

AT THE OF COMPLETE DRILLER'S RECORD
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 W OTHER FROM EL OR SAMPLES.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			1. 0-100 2. 100-200 3. 200-300 4. 300-400 5. 400-500 6. 500-600 7. 600-700 8. 700-800 9. 800-900 10. 900-1000 11. 1000-1100 12. 1100-1200 13. 1200-1300 14. 1300-1400 15. 1400-1500 16. 1500-1600 17. 1600-1700 18. 1700-1800 19. 1800-1900 20. 1900-2000 21. 2000-2100 22. 2100-2200 23. 2200-2300 24. 2300-2400 25. 2400-2500 26. 2500-2600 27. 2600-2700 28. 2700-2800 29. 2800-2900 30. 2900-3000 31. 3000-3100 32. 3100-3200 33. 3200-3300 34. 3300-3400 35. 3400-3500 36. 3500-3600 37. 3600-3700 38. 3700-3800 39. 3800-3900 40. 3900-4000 41. 4000-4100 42. 4100-4200 43. 4200-4300 44. 4300-4400 45. 4400-4500 46. 4500-4600 47. 4600-4700 48. 4700-4800 49. 4800-4900 50. 4900-5000 51. 5000-5100 52. 5100-5200 53. 5200-5300 54. 5300-5400 55. 5400-5500 56. 5500-5600 57. 5600-5700 58. 5700-5800 59. 5800-5900 60. 5900-6000 61. 6000-6100 62. 6100-6200 63. 6200-6300 64. 6300-6400 65. 6400-6500 66. 6500-6600 67. 6600-6700 68. 6700-6800 69. 6800-6900 70. 6900-7000 71. 7000-7100 72. 7100-7200 73. 7200-7300 74. 7300-7400 75. 7400-7500 76. 7500-7600 77. 7600-7700 78. 7700-7800 79. 7800-7900 80. 7900-8000 81. 8000-8100 82. 8100-8200 83. 8200-8300 84. 8300-8400 85. 8400-8500 86. 8500-8600 87. 8600-8700 88. 8700-8800 89. 8800-8900 90. 8900-9000 91. 9000-9100 92. 9100-9200 93. 9200-9300 94. 9300-9400 95. 9400-9500 96. 9500-9600 97. 9600-9700 98. 9700-9800 99. 9800-9900 100. 9900-10000