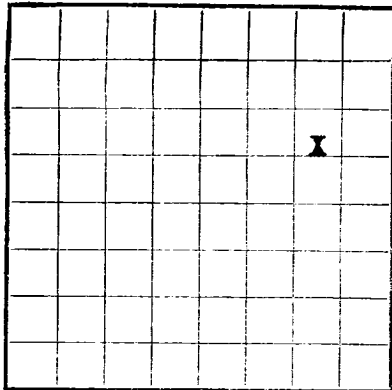
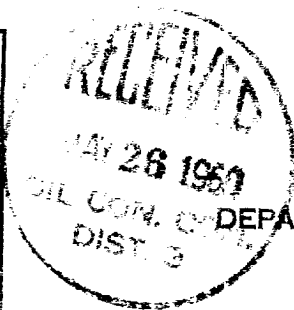


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 077383
LEASE OR PERMIT TO PROSPECT _____

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 Fract J. G. Davidson Field Angels Peak State New Mexico
Well No. 1 Sec. 22 T. 28 N. R. 10 W. Meridian N. M. P. M. County San Juan
Location 1659 ft. S. of N. line and 799 ft. W. of E. line of Section 22 Elevation 5994 (ROB)
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 R. M. Bauer, Jr. Title Area Engineer
Date May 23, 1960
The summary on this page is for the condition of the well at above date.

Commenced drilling April 20, 1960. Finished drilling May 10, 1960.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 6503 to 6507 No. 4, from 6512 to 6513
No. 2, from 6517 to 6525 No. 5, from 6525 to 6526
No. 3, from 6535 to 6539 No. 6, from 6539 to 6540
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	8 1/2	Joint	334	Guide				Surface
4-1/4"	14.6	8RT	J-55	265	Guide				Oil String
4-1/2"	9.5	8RT	J-55	6426	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"	342'	250 sacks of cement	B. J. Service	2 Plug	
4-1/2"	6662'	750 sacks of cement	Baker	2 stage	

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 6662 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Completed as shut in Angels Peak Dakota DATES Shut in for Pipeline connection
Field Development Gas Well Put to producing May 22, 1960

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

Preliminary test
If gas well, cu. ft. per 24 hours 9,662 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____ Potential test will be submitted on Sundry Notice
when available.

EMPLOYEES

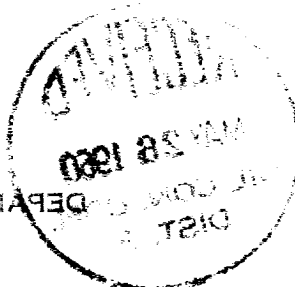
E. O. Farley, Driller E. R. Brooks, Driller
W. H. Hingo, Driller C. W. Williams, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1030	1030	Surface sands and shales.
1030	1125	95	Ojo Alamo sand.
1125	1900	775	Kirtland shales and sands including Farmington sand.
1900	2075	175	Fruitland sands, shales and coals.
2075	2125	50	Pictured Cliffs sands.
2125	3625	1500	Lewis shale.
3625	4690	1065	Mesaverde sands and shales.
4690	5550	860	Mancos shales.
5550	6315	765	Gallup sands and shales.
6315	6418	103	Greenhorn sandy shale.
6418	6430	12	Graneros sands and shales.
6430	6495	65	Dakota sands and shales.
6495	6662	167	Dakota pay sands and shales.

(Tops from E. Log)

LOG OF OIL OR GAS WELL

A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares. There are faint markings along the top edge, possibly indicating inch or centimeter measurements. A small dark smudge is visible near the top left corner.

(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 plugs or bridges were put in to seal for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FORMATION	TOTAL FEET	TO-	FROM-
1. Yellow sand and gravel.	1000	1000	0
2. Yellow sand.	100	1100	1000
3. Yellow sand and gravel.	100	1200	1100
4. Yellow sand.	100	1300	1200
5. Yellow sand, gravel and coal.	100	1400	1300
6. Yellow sand.	100	1500	1400
7. Yellow sand.	100	1600	1500
8. Yellow sand and gravel.	100	1700	1600
9. Yellow sand.	100	1800	1700
10. Yellow sand and gravel.	100	1900	1800
11. Yellow sand and gravel.	100	2000	1900
12. Yellow sand and gravel.	100	2100	2000
13. Yellow sand and gravel.	100	2200	2100
14. Yellow sand and gravel.	100	2300	2200
15. Yellow sand and gravel.	100	2400	2300
16. Yellow sand and gravel.	100	2500	2400
17. Yellow sand and gravel.	100	2600	2500
18. Yellow sand and gravel.	100	2700	2600
19. Yellow sand and gravel.	100	2800	2700
20. Yellow sand and gravel.	100	2900	2800
21. Yellow sand and gravel.	100	3000	2900
22. Yellow sand and gravel.	100	3100	3000
23. Yellow sand and gravel.	100	3200	3100
24. Yellow sand and gravel.	100	3300	3200
25. Yellow sand and gravel.	100	3400	3300
26. Yellow sand and gravel.	100	3500	3400
27. Yellow sand and gravel.	100	3600	3500
28. Yellow sand and gravel.	100	3700	3600
29. Yellow sand and gravel.	100	3800	3700
30. Yellow sand and gravel.	100	3900	3800
31. Yellow sand and gravel.	100	4000	3900
32. Yellow sand and gravel.	100	4100	4000
33. Yellow sand and gravel.	100	4200	4100
34. Yellow sand and gravel.	100	4300	4200
35. Yellow sand and gravel.	100	4400	4300
36. Yellow sand and gravel.	100	4500	4400
37. Yellow sand and gravel.	100	4600	4500
38. Yellow sand and gravel.	100	4700	4600
39. Yellow sand and gravel.	100	4800	4700
40. Yellow sand and gravel.	100	4900	4800
41. Yellow sand and gravel.	100	5000	4900
42. Yellow sand and gravel.	100	5100	5000
43. Yellow sand and gravel.	100	5200	5100
44. Yellow sand and gravel.	100	5300	5200
45. Yellow sand and gravel.	100	5400	5300
46. Yellow sand and gravel.	100	5500	5400
47. Yellow sand and gravel.	100	5600	5500
48. Yellow sand and gravel.	100	5700	5600
49. Yellow sand and gravel.	100	5800	5700
50. Yellow sand and gravel.	100	5900	5800
51. Yellow sand and gravel.	100	6000	5900
52. Yellow sand and gravel.	100	6100	6000
53. Yellow sand and gravel.	100	6200	6100
54. Yellow sand and gravel.	100	6300	6200
55. Yellow sand and gravel.	100	6400	6300
56. Yellow sand and gravel.	100	6500	6400
57. Yellow sand and gravel.	100	6600	6500
58. Yellow sand and gravel.	100	6700	6600
59. Yellow sand and gravel.	100	6800	6700
60. Yellow sand and gravel.	100	6900	6800
61. Yellow sand and gravel.	100	7000	6900
62. Yellow sand and gravel.	100	7100	7000
63. Yellow sand and gravel.	100	7200	7100
64. Yellow sand and gravel.	100	7300	7200
65. Yellow sand and gravel.	100	7400	7300
66. Yellow sand and gravel.	100	7500	7400
67. Yellow sand and gravel.	100	7600	7500
68. Yellow sand and gravel.	100	7700	7600
69. Yellow sand and gravel.	100	7800	7700
70. Yellow sand and gravel.	100	7900	7800
71. Yellow sand and gravel.	100	8000	7900
72. Yellow sand and gravel.	100	8100	8000
73. Yellow sand and gravel.	100	8200	8100
74. Yellow sand and gravel.	100	8300	8200
75. Yellow sand and gravel.	100	8400	8300
76. Yellow sand and gravel.	100	8500	8400
77. Yellow sand and gravel.	100	8600	8500
78. Yellow sand and gravel.	100	8700	8600
79. Yellow sand and gravel.	100	8800	8700
80. Yellow sand and gravel.	100	8900	8800
81. Yellow sand and gravel.	100	9000	8900
82. Yellow sand and gravel.	100	9100	9000
83. Yellow sand and gravel.	100	9200	9100
84. Yellow sand and gravel.	100	9300	9200
85. Yellow sand and gravel.	100	9400	9300
86. Yellow sand and gravel.	100	9500	9400
87. Yellow sand and gravel.	100	9600	9500
88. Yellow sand and gravel.	100	9700	9600
89. Yellow sand and gravel.	100	9800	9700
90. Yellow sand and gravel.	100	9900	9800
91. Yellow sand and gravel.	100	10000	9900
92. Yellow sand and gravel.	100	10100	10000
93. Yellow sand and gravel.	100	10200	10100
94. Yellow sand and gravel.	100	10300	10200
95. Yellow sand and gravel.	100	10400	10300
96. Yellow sand and gravel.	100	10500	10400
97. Yellow sand and gravel.	100	10600	10500
98. Yellow sand and gravel.	100	10700	10600
99. Yellow sand and gravel.	100	10800	10700
100. Yellow sand and gravel.	100	10900	10800