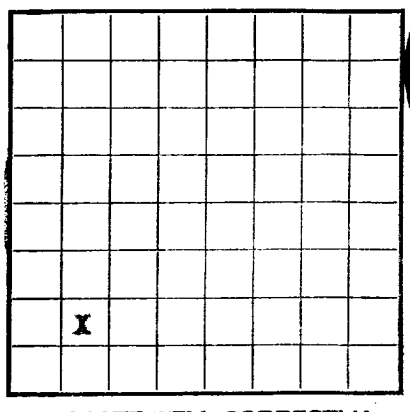
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER SF-080600

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 P.O. Box 480, Farmington, New Mexico

Lessor or Tract Gallegos Canyon Unit Field Basin Dakota State New Mexico

Well No. 134 Sec. 17 T. 29N R. 12W Meridian N.M.P.M. County San Juan

Location 875 ft. {N.} of S Line and 845 ft. {E.} of W Line of Section 17 Elevation 5570
(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.

Signed

Date June 28, 1963 Title Petroleum Engineer

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

Commenced drilling June 7, 1963 Finished drilling June 16, 1963

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 6070 to 6080 (G) No. 4, from ____ to ____

No. 2, from 6088 to 6092 (G) 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 From—	Perforated To—	Purpose
8-5/8	24#	8rd	J-55	358	Baker				Surface
4-1/2	10.5/11.6#	8rd	J-55	6150	Baker				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	358	240	Halliburton 1 Plug		
4-1/2	6150	750	Halliburton 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 6150 feet, and from ____ feet to ____ feet

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

DATES

Completed June 27, 1963 Put to producing Well shut in June 27, 1963

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 MCF Gravity, °Bé. ____

Rock pressure, lbs. per sq. in. 5369 2050 (TFC) Gallons gasoline per 1,000 cu. ft. of gas ____

EMPLOYEES

C. M. Benton, Driller R. Slaughter, Driller

A. C. Miller, Driller J. Weisgerber, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	358	358	Surface sands and shales
358	1495	1137	Farmington-Kirtland-Fruitland sand and shales
1495	1650	155	Pictured Cliffs sand
1650	3015	1365	Lewis shales and sand
3015	4250	1235	Mesaverde sands, shales and coals
4250	5150	900	Mancos shale
5150	5505	355	Gallup sands and shales
5505	5890	385	Mancos shale
5890	5950	60	Greenhorn shale
5950	6064	114	Dakota shales and sands
6064	6150	86	Dakota pay sand

[OVER]

16—43094-4

Form 9-330

Budget Bureau No. 42-R356.4
Approval expires 12-31-60.

U. S. Land Office [illegible]

Serial Number [illegible]

Lease or Permit to Prospect [illegible]

RECEIVED
JUL 2 1963
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company [illegible] Petroleum Corporation Address P.O. Box [illegible], [illegible], New Mexico

Lessor or Tract [illegible] Canyon Unit Field Basin Dakota State New Mexico

Well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] Meridian [illegible] County San Juan

Location [illegible] ft. {N/S} of [illegible] Line and [illegible] ft. {E/W} of [illegible] Line of [illegible] Elevation [illegible] (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.

Signed [illegible]

Date [illegible] Title [illegible]

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

Commenced drilling [illegible], 196[illegible] Finished drilling June [illegible], 196[illegible]

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from [illegible] to [illegible] No. 4, from to

No. 2, from [illegible] to [illegible] 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 From—	Perforated To—	Purpose

HISTORY OF OIL OR GAS WELL

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

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 test for water, state kind of material used, position, and results of pumping or bailing.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]		

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 [illegible] feet to [illegible] feet, and from feet to feet

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

DATES

[illegible], 196[illegible] Put to producing [illegible], 196[illegible]

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

If gas well, cu. ft. per 24 hours [illegible] Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. [illegible]

EMPLOYEES

[illegible], Driller [illegible], Driller

[illegible], Driller [illegible], Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible] sands and shales
[illegible]	[illegible]	[illegible]	Farmington-Kirtland-Fruitland sand and shales
[illegible]	[illegible]	[illegible]	Pictured Cliffs sand
[illegible]	[illegible]	[illegible]	Lewis shales and sand
[illegible]	[illegible]	[illegible]	Mesaverde sands, shales and coals
[illegible]	[illegible]	[illegible]	Mancos shale
[illegible]	[illegible]	[illegible]	Gallup sands and shales
[illegible]	[illegible]	[illegible]	Mancos shale
[illegible]	[illegible]	[illegible]	Greenhorn shale
[illegible]	[illegible]	[illegible]	Dakota shales and sands
[illegible]	[illegible]	[illegible]	[illegible] sand

FROM—	TO—	TOTAL FEET	FORMATION

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(OVER)

FORMATION RECORD—Continued