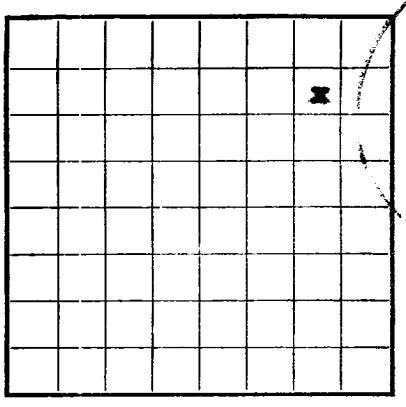
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-078139
LEASE OR PERMIT TO PROSPECT Elliott Gas Unit "L"



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico

Lessor or Tract Elliott Gas Unit "L" Field Blanco Pictured Cliffs State New Mexico

Well No. 1 Sec. 33 T. 30N R. 9W Meridian N.M.P.M. County San Juan

Location 1190 ft. [S] of S Line and 890 ft. [W] of E Line of Section 33 Elevation 5766 (RDB)
(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 ORIGINAL SIGNED BY R. M. Bauer, Jr.

Date October 2, 1961 Title Senior Petroleum Engineer

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

Commenced drilling September 4, 19 61 Finished drilling September 8, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2443 to 2449 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 From—	Perforated To—	Purpose
8-5/8"	22.7#	8rd	A.M.	206'	Guide				Surface
4-1/2"	9.5#	EUE	Crae	2576	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"	221'	160	Halliburton 1 plug		
4-1/2"	2573'	650	Halliburton 2 plug		

FOLD | MARK

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 ____ feet to ____ feet, and from ____ feet to ____ feet

Cable tools were used from 0 feet to 2573 feet, and from ____ feet to ____ feet

DATES

Completed as Shut In Blanco Pictured Cliffs Field Development well. 19 Put to producing Shut in waiting on pipeline connection September 20, 19 61

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

Gravity, °Bé. ____

Preliminary test MCF if gas well, cu. ft. per 24 hours 2155 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1000 (SITP) Potential test will be reported on Sundry Notice when available.

EMPLOYEES

K. R. Runyan, Driller Pete Estes, Driller

M. W. McDonald, Driller Varner Buck, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1295	1295	Surface and Animas sands and shales.
1295	1363	68	Ojo Alamo sand.
1363	2160	797	Kirtland sands and shales including Farmington sands.
2160	2438	278	Fruitland sands, shales, and coals.
2438	2573	135	Pictured Cliffs sands and shales.

(Tops from "E" log)

[OVER]

16—43094-4

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-[illegible]
LEASE OR PERMIT TO PROSPECT Elliott Gas Unit "L"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico

Lessor or Tract Elliott Gas Unit "L" Field Blanco Pictured Cliffs State New Mexico

Well No. ... Sec. ... T. ... R. ... Meridian ... County San Juan

Location ... ft. ... of ... Line and ... ft. ... of ... Line of ... Elevation ...

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.

Date October 2, 1961 Title Senior Petroleum Engineer

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

Commenced drilling September 4, 1961. Finished drilling September 8, 1961.

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

No. 1, from 2449 to 2549 ... 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 From—	Perforated To—	Purpose
2-7/8"	6.5#	8RT	[illegible]	2575	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"	223'	150	Halliburton 1 plug		
2-7/8"	2575'	550	Halliburton 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 2573 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 Development well.
September 20, 1961 Put to producing Shut in waiting on pipeline

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 2155 MCF Gallons gasoline per 1,000 cu. ft. of gas ...

Rock pressure, lbs. per sq. in. 1000 (SITP) Potential test will be reported on [illegible] Notice when available.

EMPLOYEES

[illegible], Driller Pete Estes, Driller

M. [illegible]. McDonald, Driller Varner Buck, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1295	1295	Surface and [illegible] sands and shales.
1295	1363	68	Ojo Alamo sand.
1363	2160	797	Kirtland sands and shales including Farmington sands.
2160	2438	278	Fruitland sands, shales, and coals.
2438	2573	135	Pictured Cliffs sands and shales.

(Tops from [illegible] log)

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION