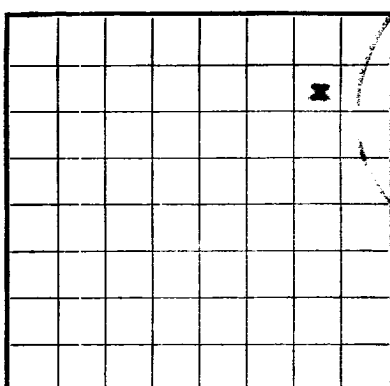




LOCATE WELL CORRECTLY

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

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** State **New Mexico**
 Well No. **1** Sec. **33** T. **30N** R. **9E** Meridian **N.M.P.M.** County **San Juan**
 Location **1100 ft. S. of 1 Line and 100 ft. W. of 1 Line of Section 33** Elevation **5245 (MSL)**
 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 3, 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		Purpose
							From—	To—	
8-5/8"	22.74	3	API	2576	Casing				Oil String
4-1/2"	9.57	8RT	API	2576	Casing				

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		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as Shut In Blanco Pictured **Shut in waiting on pipeline**Cliffs Field Development well Put to production **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 gas well, cur. per 24 hours **4155** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1000 (SITP)** Potential test will be reported on Sundry _____

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)

FORMATION RECORD

16-45004-4

ADDITIONAL EXPENSES IN 1971-72
Budget Bureau No. 42-13554.

U.S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 10 rows of squares. There are no markings or text on the page.

Company, and American Telephone Corporation. Address 350 Madison Ave. New York 17, N.Y.

[illegible]

221. With 160 sacks of cement containing 2 per cent calcium chloride, circulated at 1-1/4 inch separator & lost and failed to 221. Lost 8-5/8 casing at 221. Cemented with 500 feet of cement, tested casing with 500 feet of cement, which held with no indication of pressure drop. Reduced hole to 1-7/8" at 221. Information to

No. 8 from
to
later than at 220.

Age casting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and banded from	From	To—	Remarks
									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 the results. If there were any changes made in the casing, state fully, and if any casing was added, state in the well log and location. If the well has been dynamited, give date, size, position, and number of charges. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Rate per cwt	When set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
1.00	100	100	100	100	100
1.00	100	100	100	100	100

Adapters—Material	Size	Length	Depth set
PLUGS AND ADAPTERS			
Heaving plug—Material			

SHOOTING RECORD					
Site	Shell used	Explosive used	Quantity	Date	Depth shot
					Depth cleaned out

TOOL USED		TOOL USED	
Rotary tools were used from	feet to	feet, and from	feet to
Capable tools were used from	feet to	feet, and from	feet to

[illegible]

Rock pressure, lbs. per sq. in. 1000 (approx)
 Gas well, cu. ft. per 24 hours 2125
 Gallons gasoline per 1,000 cu. ft. of gas
 Gravity, °Be.

FORMATION RECORD		EMPLOYEES	
Driller	James A. Smith	Driller	James A. Smith
Driller	James A. Smith	Driller	James A. Smith

FROM—	TO—	TOTAL FEET	FORMATION
0	1353	1353	surface and above sands and shales.
1353	1353	0	to above sand.
1353	2140	797	limestone sands and shales including limestone sandstone.
2140	2748	608	limestone, shales, sandstone, and coals.
2748	3273	525	limestone shales and shales.

(not for use)