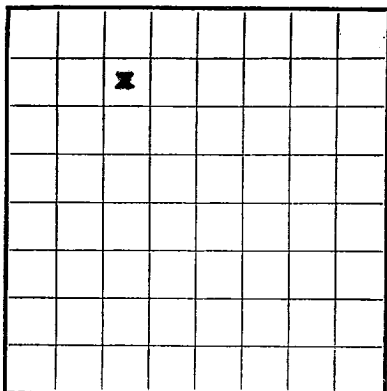
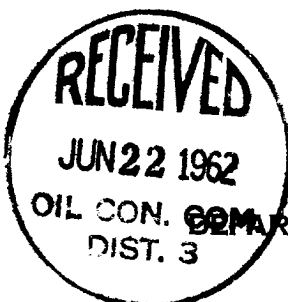




LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **SP-078904-4**

LEASE OR PERMIT TO PROSPECT

RECEIVED

JUN 21 1962

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 480, Farmington, New Mexico**Lessor or Tract **Gallegos Canyon Unit** Field **Undesignated Gallup** State **New Mexico**Well No. **123** Sec. **25** T. **28N** R. **12W** Meridian **NMPM** County **San Juan**Location **790** ft. **[N]** of **[S]** Line and **1250** ft. **[E]** of **[W]** Line of **Section 25** Elevation **5856**
(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 **F. H. Hollingsworth**Date **June 19, 1962** Title **Petroleum Engineer**

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

Commenced drilling **January 31**, 19**62** Finished drilling **February 17**, 19**62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5690** to **5694** No. 4, from _____ to _____No. 2, from **5700** to **5704** 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"	22.75	8	API	115	115	0-1140			Surface casing
4-1/2"	18.5	8	API	645	0-1140	0-1140			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	200	BJ 1 Plug		
4-1/2"	6415	845	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 **6421** feet, and from _____ feet to _____ feet

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

DATES

Completed as flowing Undesignated Gallup Field Well **June 7**, 19**62**Put to producing **June 6**, 19**62**The production for the first 24 hours was **243** barrels of fluid of which **99.6**% was oil; _____% emulsion; _____% water; and **.4**% sediment. Gravity, °Bé. **40.8°**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **380 (GPT)**

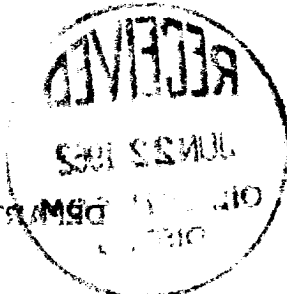
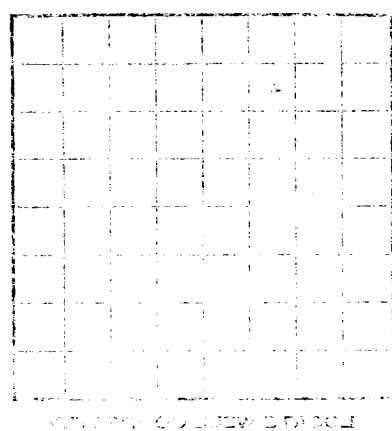
EMPLOYEES

K. P. Runyon, Driller **R. H. Wisener**, Driller**George Beal**, Driller **Donald Coleman**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	358	358	Surface casing
358	1300	942	Kirtland sands and shales
1300	1669	369	Fruitland sands and shales
1669	1875	206	Pictured Cliffs sands and shales
1875	3268	1393	Lewis shale
3268	4423	1155	Mesaverde sands and shales
4423	5688	1265	Mancos shale
5688	5707	19	Gallup pay sand
5707	6100	393	Gallup sands and shales
6100	6203	203	Greenhorn shale
6203	6421	218	Dakota sands and shales

FORMATION RECORD—CONTINUED



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Land Office
Special Number
Leave on Permit to Prospect

LOG OF OIL OR GAS WELL

Company Name
Location
The information given in this log is a true and correct record of the well and its production as far as the same is known to the operator and is not intended to be a statement of the value of the well or of the amount of production.

This log is to be filled out by the operator of the well at the time the well is being drilled or pumped. It should be filled out as the work progresses and should be kept in the well log book.

OIL OR GAS SANDS OR ZONES

1. From the surface to the top of the first sand zone, the well was drilled to a depth of 100 feet. The sand zone was found at a depth of 100 feet and was 10 feet thick.

IMPORTANT WATER SANDS

No. 1 from the surface to the top of the first sand zone, the well was drilled to a depth of 100 feet. The sand zone was found at a depth of 100 feet and was 10 feet thick.

CASING RECORD

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.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
0	100	100	Gravelly sand
100	110	110	Gravelly sand
110	120	120	Gravelly sand
120	130	130	Gravelly sand
130	140	140	Gravelly sand
140	150	150	Gravelly sand
150	160	160	Gravelly sand
160	170	170	Gravelly sand
170	180	180	Gravelly sand
180	190	190	Gravelly sand
190	200	200	Gravelly sand
200	210	210	Gravelly sand
210	220	220	Gravelly sand
220	230	230	Gravelly sand
230	240	240	Gravelly sand
240	250	250	Gravelly sand
250	260	260	Gravelly sand
260	270	270	Gravelly sand
270	280	280	Gravelly sand
280	290	290	Gravelly sand
290	300	300	Gravelly sand
300	310	310	Gravelly sand
310	320	320	Gravelly sand
320	330	330	Gravelly sand
330	340	340	Gravelly sand
340	350	350	Gravelly sand
350	360	360	Gravelly sand
360	370	370	Gravelly sand
370	380	380	Gravelly sand
380	390	390	Gravelly sand
390	400	400	Gravelly sand
400	410	410	Gravelly sand
410	420	420	Gravelly sand
420	430	430	Gravelly sand
430	440	440	Gravelly sand
440	450	450	Gravelly sand
450	460	460	Gravelly sand
460	470	470	Gravelly sand
470	480	480	Gravelly sand
480	490	490	Gravelly sand
490	500	500	Gravelly sand
500	510	510	Gravelly sand
510	520	520	Gravelly sand
520	530	530	Gravelly sand
530	540	540	Gravelly sand
540	550	550	Gravelly sand
550	560	560	Gravelly sand
560	570	570	Gravelly sand
570	580	580	Gravelly sand
580	590	590	Gravelly sand
590	600	600	Gravelly sand
600	610	610	Gravelly sand
610	620	620	Gravelly sand
620	630	630	Gravelly sand
630	640	640	Gravelly sand
640	650	650	Gravelly sand
650	660	660	Gravelly sand
660	670	670	Gravelly sand
670	680	680	Gravelly sand
680	690	690	Gravelly sand
690	700	700	Gravelly sand
700	710	710	Gravelly sand
710	720	720	Gravelly sand
720	730	730	Gravelly sand
730	740	740	Gravelly sand
740	750	750	Gravelly sand
750	760	760	Gravelly sand
760	770	770	Gravelly sand
770	780	780	Gravelly sand
780	790	790	Gravelly sand
790	800	800	Gravelly sand
800	810	810	Gravelly sand
810	820	820	Gravelly sand
820	830	830	Gravelly sand
830	840	840	Gravelly sand
840	850	850	Gravelly sand
850	860	860	Gravelly sand
860	870	870	Gravelly sand
870	880	880	Gravelly sand
880	890	890	Gravelly sand
890	900	900	Gravelly sand
900	910	910	Gravelly sand
910	920	920	Gravelly sand
920	930	930	Gravelly sand
930	940	940	Gravelly sand
940	950	950	Gravelly sand
950	960	960	Gravelly sand
960	970	970	Gravelly sand
970	980	980	Gravelly sand
980	990	990	Gravelly sand
990	1000	1000	Gravelly sand