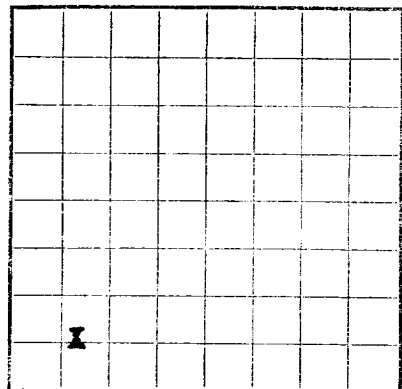
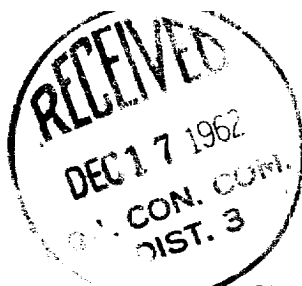




LOCATE WELL CORRECTLY



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

U. S. LAND OFFICE **Jicarilla Tribal**

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT _____

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 **Jicarilla Contract 146** Field **Otero Chacra** State **New Mexico**
Well No. **16** Sec. **10** T. **25N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **890** ft. **N.** of **S.** Line and **1190** ft. **E.** of **W.** Line of **Section 10** Elevation **6938**
(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 **December 12, 1962** Title **Petroleum Engineer**

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

Commenced drilling **November 12**, 19**62** Finished drilling **November 20**, 19**62**

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

No. 1, from **4032** to **4036 (G)** No. 4, from _____ to _____
No. 2, from **4041** to **4045 (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		Purpose
							From—	To—	
8-5/8"	22.7#	5J	Amoco	265	Guide				Surface
4-1/2"	9.5#	8RT	J-55	4153	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"	212	135	B.J. 1 Plug		
4-1/2"	4140	300	B.J. 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 **4140** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as shut in gas well. Put to producing **December 9,** 19**62**
December 9, 19**62**
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, **145** ft. per 24 hours **1454** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **840 (TFC)**

EMPLOYEES

_____, Driller **L. C. Davis** _____, Driller **Jack Bryant**
_____, Driller **Jackie White** _____, Driller **Pete Estes**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2576	2576	Surface Sand and Shale
2576	2766	190	Ojo Alamo Sand
2766	3130	364	Kirtland-Fruitland Shale and Sand
3130	3206	76	Pictured Cliffs Sand
3206	4030	824	Lewis Shale
4030	4054	24	Chacra Sand
4054	4140	86	Lewis Sand and Shale

(OVER)

