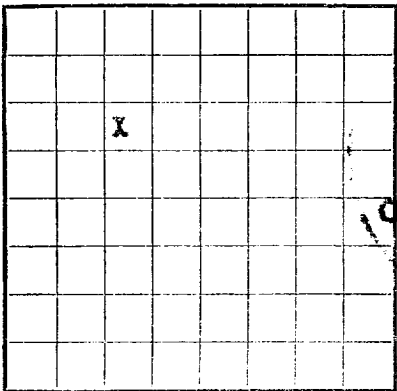


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 278926
LEASE OR PERMIT TO PROSPECT
Gallegos Canyon Unit No. 87

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 Gallegos Canyon Unit Field Totah Gallup State New Mexico
Well No. 87 Sec. 35 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 1550 ft. N of 8 Line and 1850 ft. E of W Line of Section 35 Elevation 5852 (RDB)
(Derriek 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 R. M. Bauer, Jr.
Date July 6, 1960 Title Area Engineer

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

Commenced drilling May 6, 1960 Finished drilling May 19, 1960

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

No. 1, from 5647 to 5720 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--	
<u>8-5/8"</u>	<u>22.7</u>	<u>51.1</u>	<u>Joint Arago</u>	<u>201</u>	<u>Culise</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>32.7</u>	<u>1-55</u>	<u>5819</u>	<u>Unide</u>				<u>Oil String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>		<u>213 160 sacks of cement</u>	<u>Halliburton 1 plug</u>		
<u>4-1/2"</u>		<u>5797 450 sacks of cement</u>	<u>Baker 2 stars</u>		

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 5601 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Completed as pumping oil well July 5, 1960
Totah Gallup Field Potential test
July 5, 1960 Pumped 18 barrels oil per day. Put to producing Date first new oil produced
The production for the first 24 hours was 18 barrels of fluid of which 99.8 % was oil; _____ %
emulsion; _____ % water; and 2 % sediment. Gravity, °Bé. 41.0
Pumping oil well 13-1/2" with 1-1/4" pump Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Cotton Simpson _____, Driller J. D. Coleman _____, Driller
George Neal _____, Driller R. H. Wisener _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
<u>0</u>	<u>1645</u>	<u>1645</u>	Surface sands and shales including Ojo Alamo, Fruitland, and Farmington zones.
<u>1645</u>	<u>1812</u>	<u>167</u>	Pictured Cliffs sands and shales.
<u>1812</u>	<u>3180</u>	<u>1368</u>	Lewis shale.
<u>3180</u>	<u>4392</u>	<u>1212</u>	Manavero sands and shales and coals.
<u>4392</u>	<u>5333</u>	<u>941</u>	Mancos shale.
<u>5333</u>	<u>5645</u>	<u>312</u>	Gallup sands and shales.
<u>5645</u>	<u>5801</u>	<u>156</u>	Gallup pay sands and shales.
			(Tops from E Log.)

