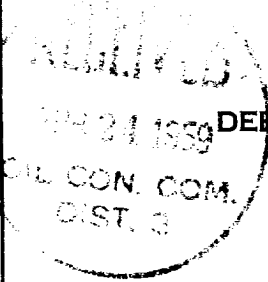
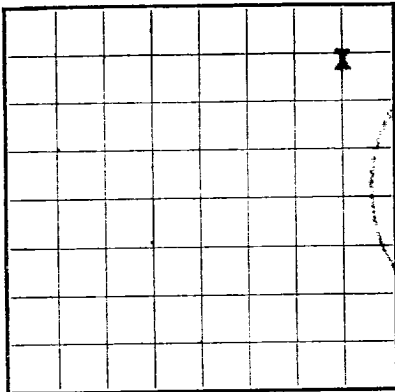


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER SF 061299-A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico  
Lessor or Tract J. J. Lomari "A" Field Horseshoe-Gallup State New Mexico  
Well No. 1 Sec. 14 T. 30N R. 16W Meridian E.M.P.M. County San Juan  
Location: 770 ft. S of N Line and 650 ft. W of E Line of Section 14 Elevation 5569 (GLD)

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. W. Bauer, Jr.

Date April 22, 1959 Title Field Engineer

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

Commenced drilling April 9, 1959 Finished drilling April 13, 1959

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

No. 1, from 3006 to 3036 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3100 to 3122 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>SRP</u>	<u>John Hancock</u>	<u>204</u>	<u>Guide</u>				<u>Surface</u>
<u>5-1/2"</u>	<u>14</u>	<u>SRT</u>	<u>National</u>	<u>3193</u>	<u>Guide</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>214</u>	<u>160 sacks cement</u>	<u>Halliburton</u>	<u>No. 1 plug</u>	
<u>5-1/2"</u>	<u>3180</u>	<u>130 sacks cement</u>	<u>Halliburton</u>	<u>No. 2 plug</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 0 feet to 3183 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Completed as pumping oil well Horseshoe-Gallup Field April 21, 1959 Date first new oil produced: Put to producing \_\_\_\_\_, 1959  
Emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_%  
Gravity, °Bé. 99.8  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. gas-oil ratio not yet available.

EMPLOYEES

\_\_\_\_\_, Driller T. J. Beck, Driller  
J. R. Greene, Driller R. L. Ledlow, Driller  
A. Y. Old

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>214</u>	<u>214</u>	<u>Surface sands &amp; shales.</u>
<u>214</u>	<u>1675</u>	<u>1461</u>	<u>Point Lockout sands &amp; shales.</u>
<u>1675</u>	<u>2948</u>	<u>1273</u>	<u>Mancos shale.</u>
<u>2948</u>	<u>3006</u>	<u>58</u>	<u>Gallup sands &amp; shales.</u>
<u>3006</u>	<u>3100</u>	<u>94</u>	<u>Verde Gallup sands &amp; shales.</u>
<u>3100</u>	<u>3183</u>	<u>83</u>	<u>Horseshoe-Gallup sands &amp; shales.</u> (Tops from E log)

