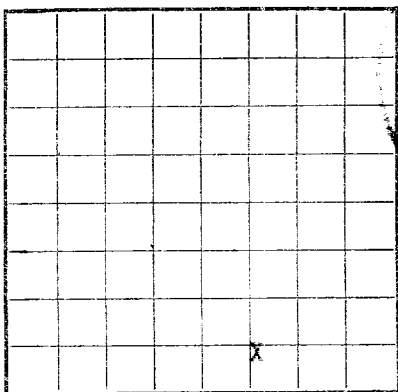
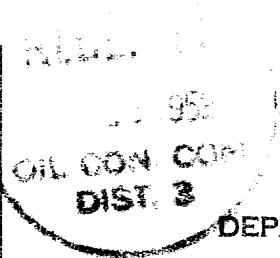




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078302
LEASE OR PERMIT TO PROSPECT
Robert L. HairstonUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract Robert L. Hairston Field 31st-Lower Gallup State New Mexico
Well No. 2 Sec. 6 T. 24 R. 9 Meridian N.P.M. County San Juan
Location 660 ft. N. of S. Line and 1960 E. of W. Line of Section 6 Elevation 6844
(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.ORIGINAL SIGNED BY
Signed A. Bauer, Jr.Date June 19, 1959 Title Area Engineer

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

Commenced drilling May 1, 1959 Finished drilling May 18, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5462 to 5488 No. 4, from _____ to _____
No. 2, from 5501 to 5518 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>BT</u>	<u>Ameco</u>	<u>223</u>	<u>Guide</u>				<u>Surface</u>
<u>4-1/2</u>	<u>9.5</u>	<u>8RD</u>	<u>J-55</u>	<u>5604</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>223</u>	<u>160</u>	<u>Howco Plug</u>		
<u>4-1/2"</u>	<u>5604</u>	<u>200</u>	<u>Howco 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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 5620 feet, and from _____ feet to _____ feet

DATES

Completed as pumping oil well _____ Put to producing _____, 1959
31st-Lower Gallup Field
The production for the first 24 hours June 10 was _____ barrels of fluid of which 10 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. 38 Gravity, °Bé. 99.8If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 39 degree API
Potential test pumped 8 1/2 barrels oil 24 hours 15-54 strokes per minute with 1 1/2" pump.
Rock pressure, lbs. per sq. in. _____
Gas oil ratio not yet available.

EMPLOYEES

_____, Driller _____, Driller

Cotton Gibson, Driller J. E. Coleman, DrillerT. G. Friddy George Seal

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>975</u>	<u>975</u>	<u>Surface sands & shales.</u>
<u>975</u>	<u>1060</u>	<u>85</u>	<u>Ojo Alamo sand.</u>
<u>1060</u>	<u>1800</u>	<u>740</u>	<u>Kirtland-Fruitland sands, shales & coals.</u>
<u>1800</u>	<u>1950</u>	<u>150</u>	<u>Pictured Cliffs sand.</u>
<u>1950</u>	<u>2660</u>	<u>710</u>	<u>Lewis shale.</u>
<u>2660</u>	<u>3220</u>	<u>560</u>	<u>Cliffhouse sands & shales.</u>
<u>3220</u>	<u>4265</u>	<u>1045</u>	<u>Menefee sands & shales.</u>
<u>4265</u>	<u>4475</u>	<u>210</u>	<u>Pointlookout sands.</u>
<u>4475</u>	<u>5302</u>	<u>160</u>	<u>Gallup shale.</u>
<u>5462</u>	<u>5620</u>	<u>158</u>	<u>Gallup pay sands & shal. s.</u>
			(Tops from E log)

