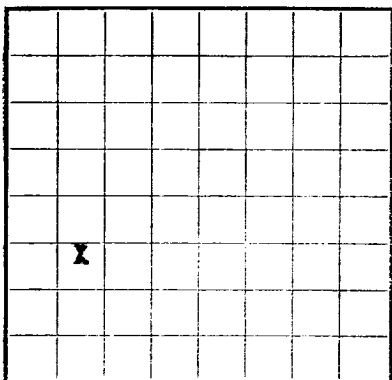




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New MexicoSERIAL NUMBER N 077221

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 P. O. Box 487, Farmington, New MexicoLessor or Tract J. A. Adlin "B" Field Horseshoe Gallup State New MexicoWell No. 3 Sec. 10 T. 30-N R. 16-W Meridian Mountain County San JuanLocation 1720 ft. S of E Line and 770 ft. E of W Line of Section 10 Elevation 5435 (ADE)
(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 L. O. Speer, Jr.Date April 7, 1960Title Area Superintendent

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

Commenced drilling March 21, 1960 Finished drilling March 25, 1960OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 1454 to 1464 No. 4, from _____ to _____
No. 2, from 1505 to 1523 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>3 1/2</u>	<u>Gallop</u>	<u>100</u>	<u>Gallop</u>				
<u>5-1/2"</u>	<u>14</u>	<u>3 1/2</u>	<u>Gallop</u>	<u>100</u>	<u>Gallop</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>95</u>	<u>80 sacks of cement</u>	<u>Halliburton 1 plug</u>		
<u>5-1/2"</u>	<u>1602</u>	<u>130 sacks of cement</u>	<u>Halliburton 1 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 105 feet, and from _____ feet to _____ feet

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

Completed as pumping oil well
Horseshoe Gallup field

DATES

Date first new oil produced _____, 1960Put to producing April 5, 1960The production for the first 24 hours was 100 barrels of fluid of which 99.8 % was oil; _____ % emulsion; _____ % water; and .2 % sediment.Gravity, °Bé. 42.3

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. F. Old, Driller V. F. Nelson, DrillerV. R. Brooks, Driller C. L. Hall, Driller

FORMATION RECORD

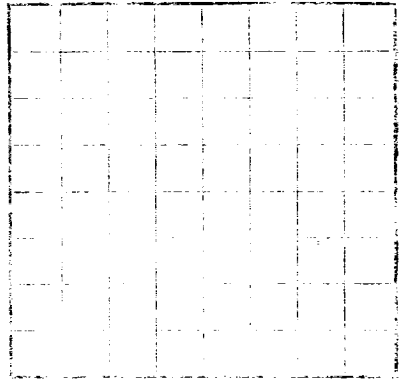
FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>95</u>	<u>95</u>	<u>Surface sand and shale.</u>
<u>95</u>	<u>245</u>	<u>150</u>	<u>Mesaverde sand and shale.</u>
<u>245</u>	<u>1407</u>	<u>1162</u>	<u>Mancos shale.</u>
<u>1407</u>	<u>1443</u>	<u>36</u>	<u>Gallup shale and sand.</u>
<u>1443</u>	<u>1523</u>	<u>80</u>	<u>Gallup pay sand and shale.</u>
<u>1523</u>	<u>1605</u>	<u>82</u>	<u>Gallup shale and sand.</u>
			(Log from J. Log)

(OVER)

U.S. LAND OFFICE
SERIAL NUMBER
DATE OF PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Received 11 July 2004

[illegible]

HISTORY OF OIL OR GAS WELL

[illegible]

104531
FORMATION RECORD—Continued