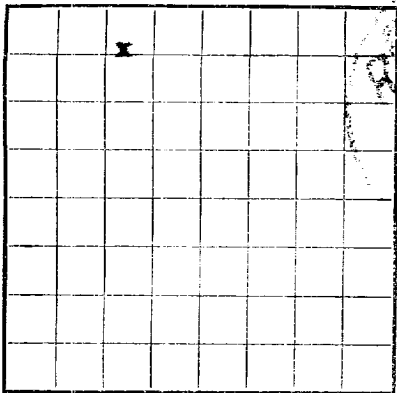
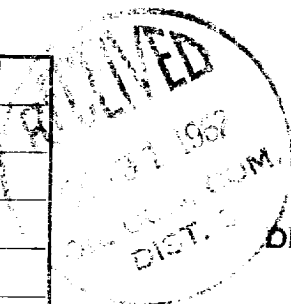




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Navajo Tribe
SERIAL NUMBER I-149-IND-8470
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
OCT 29 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO**LOG OF OIL OR GAS WELL**Company Pan American Petroleum Corporation Address Box 420, Farmington, New Mexico
Lessor or Tract Vallejos Canyon Unit Field Cha Cha Gallup State New Mexico
Well No. 129 Sec. 30 T. 28N R. 12W Meridian County San Juan
Location 660 ft. S. of N. Line and 1960 ft. E. of Line of Section 30 Elevation 5758
(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 October 29, 1962 Title Petroleum Engineer

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

Commenced drilling September 24, 1962 Finished drilling October 11, 1962**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 5453 to 5457 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>81</u>	<u>.....</u>	<u>208</u>	<u>Guide</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>Surface</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>81</u>	<u>J-55</u>	<u>5561</u>	<u>Guide</u>	<u>.....</u>	<u>.....</u>	<u>.....</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</u>	<u>180</u>	<u>B.J. 1 Plug</u>	<u>.....</u>	<u>.....</u>
<u>4-1/2"</u>	<u>5542</u>	<u>450</u>	<u>B.J. 2 Stage</u>	<u>.....</u>	<u>.....</u>
.....					
.....					

PLUGS AND ADAPTERSHeaving plug—Material Length Depth set
Adapters—Material Size**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
.....						
.....						
.....						

TOOLS USEDRotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet**DATES**Completed as Flowing Cha Cha Gallup Put to producing oil Produced 19.....
Oil all October 28 62 The production for the first 24 hours was barrels of fluid of which October 26 62 % was oil; %emulsion; % water; and % sediment. 145 Gravity, °Bé. 99.5If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas 41.80

Rock pressure, lbs. per sq. in.

510 (C) EMPLOYEES....., Driller Driller
Gone B. Sanderfer, Driller Leon Vestal, Driller
James Smith Pete Estes**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>200</u>	<u>200</u>	<u>Surface sand and shale</u>
<u>200</u>	<u>1435</u>	<u>1235</u>	<u>Kirtland and Fruitland sand and shale</u>
<u>1435</u>	<u>1640</u>	<u>205</u>	<u>Pictured Cliffs sand and shale</u>
<u>1640</u>	<u>2345</u>	<u>705</u>	<u>Lewis shale</u>
<u>2345</u>	<u>4169</u>	<u>1824</u>	<u>Reserve sand and shale</u>
<u>4169</u>	<u>5094</u>	<u>925</u>	<u>Mancoes shale</u>
<u>5094</u>	<u>5453</u>	<u>359</u>	<u>Gallup sand and shale</u>
<u>5453</u>	<u>5457</u>	<u>4</u>	<u>Gallup pay sand</u>
<u>5457</u>	<u>5549</u>	<u>92</u>	<u>Gallup sand and shale</u>
.....			
.....			

