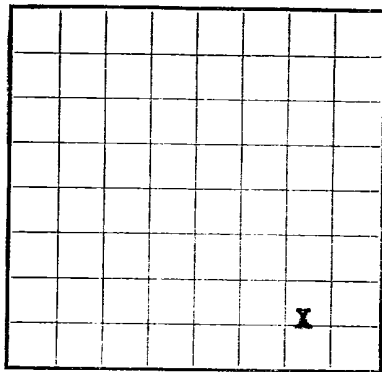


U. S. LAND OFFICE Santa FeSERIAL NUMBER SF-078902

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PAN AMERICAN PETROLEUM CORPORATION Address Box 480, Farmington, New MexicoLessor or Tract Gallegos Canyon Unit Dakota Field Basin Dakota State New MexicoWell No. 147 Sec. 4 T. 27 N. R. 12 W. Meridian N.M.P.M. County San JuanLocation 900 ft. S. of S. Line and 990 ft. E. of E. Line of Section 4 Elevation 5796
(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. Fred L. Nabors, District EngineerSigned F. H. HOLLINGSWORTHDate October 25, 1963 Title

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

Commenced drilling September 25, 19-63 Finished drilling October 3, 19-63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6009 to 6014 (G) No. 4, from _____ to _____No. 2, from 6032 to 6041 (G) No. 5, from _____ to _____No. 3, from 6068 to 6076 (G) 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>24.7</u>	<u>8RT</u>	<u>J-55</u>	<u>6183</u>	<u>Guide</u>				<u>Oil string</u>
<u>4-1/2"</u>	<u>10.5#</u>	<u>8RT</u>	<u>J-55</u>	<u>6183</u>	<u>Guide</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>357</u>	<u>225</u>	<u>BJ I Plug</u>		
<u>4-1/2"</u>	<u>6149</u>	<u>1350</u>	<u>Halliburton 2 Stage</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 6149 feet, and from _____ feet to _____ feet

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

DATES

_____, 19-____ Put to producing _____, 19-____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. 4653

EMPLOYEES

_____, Driller _____, Driller

Richard Slaughter, Driller A. G. Miller, DrillerG. M. Benton, Driller J. Weisgerber, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>C</u>	<u>1387</u>	<u>1387</u>	<u>Surface SH & SH</u>
<u>1387</u>	<u>1570</u>	<u>183</u>	<u>Pictured Cliffs</u>
<u>1570</u>	<u>2290</u>	<u>720</u>	<u>Lewis SH</u>
<u>2290</u>	<u>4140</u>	<u>1850</u>	<u>Mesaverde Group</u>
<u>4140</u>	<u>4994</u>	<u>854</u>	<u>Mancos</u>
<u>4994</u>	<u>5366</u>	<u>372</u>	<u>Callup</u>
<u>5366</u>	<u>5844</u>	<u>478</u>	<u>Mancos</u>
<u>5844</u>	<u>5907</u>	<u>63</u>	<u>Greenhorn SH</u>
<u>5907</u>	<u>5968</u>	<u>61</u>	<u>Graneros</u>
<u>5968</u>	<u>6024</u>	<u>56</u>	<u>Graneros Dakota</u>
<u>6024</u>	<u>6088</u>	<u>64</u>	<u>Miah Dakota</u>
<u>6088</u>	<u>6149</u>	<u>61</u>	<u>Lower Dakota</u>

