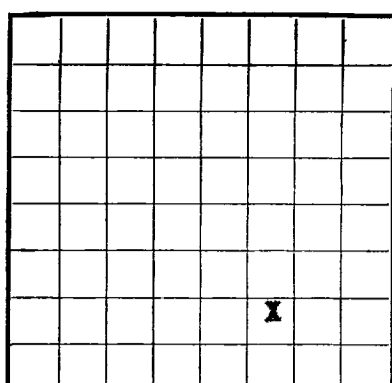


U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **076337**  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 487, Farmington, New Mexico**  
Lessor or Tract **W. D. Heath "B"** Field **Blanco-Pictured Cliffs** State **New Mexico**  
Well No. **2** Sec **31** T. **30N** R. **9W** Meridian **N.M.P.M.** County **San Juan**  
Location **1145** ft. <sup>[N.]</sup> of **S** Line and **1475** ft. <sup>[W.]</sup> of **E** Line of **Section 31** Elevation **5774**  
(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 **March 3, 1958** Title **Field Superintendent**

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

Commenced drilling **February 8, 1958** Finished drilling **February 13, 1958**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1, from **2330** to **2370 G** 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 **1400 (weak flow)** to **2000 (died)** 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-	
<b>6-5/8"</b>	<b>22.7</b>	<b>5</b>	<b>Slip Joint Armo</b>	<b>281'</b>	<b>Guido</b>				<b>Surface</b>
<b>5-7/8"</b>	<b>21.1</b>	<b>5</b>	<b>National Pipe</b>	<b>Guido</b>					<b>Oil string</b>
H2LOK OR OIL OK CV2 METE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>6-5/8"</b>	<b>294'</b>	<b>300 sacks</b>	<b>Halliburton 2 Plug</b>		
<b>5-1/2"</b>	<b>2412'</b>	<b>525 sacks</b>	<b>Halliburton 2 Plug</b>		

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 \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Completed as shut in Blanco-Pictured Cliffs Field Dev. Well, 19 \_\_\_\_\_  
**February 27, 1958** Put to producing **February 27**, 19 **58**  
for the first 24 hours was \_\_\_\_\_ barrels of fluid of which **(Shut %/day)** 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. **2506**

(Preliminary test **2/27/58, 2506 MCFPD, Pitot Tube Measurement.**)

EMPLOYEES  
\_\_\_\_\_, Driller  
**Cotton Gipson**, Driller  
**F. J. Buck**, Driller  
\_\_\_\_\_, Driller  
**E. E. Estes**, Driller  
\_\_\_\_\_, Driller  
**John Wright**

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
<b>0</b>	<b>1110</b>	<b>1110</b>	<b>Surface sand &amp; shale &amp; Anigos shale.</b>
<b>1110</b>	<b>1250</b>	<b>140</b>	<b>Ojo Alamo sandstone.</b>
<b>1250</b>	<b>2008</b>	<b>758</b>	<b>Kirtland-Farmington sand &amp; shale.</b>
<b>2008</b>	<b>2325</b>	<b>317</b>	<b>Fruitland sands, shales &amp; coals.</b>
<b>2325</b>	<b>2414</b>	<b>89</b>	<b>Pictured Cliffs sandstone.</b>
	<b>Total Depth</b>		

(OVER)

LOG RECORD—Continued

