

New Mexico

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Northeast Regack Unit

Communitization No. 6674

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract Northeast Regack Unit Field Harroshaw Gallup State New Mexico
Well No. 1 Sec. 14 T. 37N R. 16W Meridian N.M.P.S. County San Juan
Location 1890 ft. N. of 1 Line and 1890 ft. W. of 1 Line of Section 14 Elevation 5377 (RLS)
(Denote base 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 December 27, 1960Title Area Engineer

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

Commenced drilling November 12, 1960 Finished drilling November 23, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3510 to 3516 No. 4, from _____ to _____
No. 2, from 3524 to 3530 No. 5, from _____ to _____
No. 3, from 3532 to 3537 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>6-5/8</u>	<u>24</u>	<u>8HT</u>	<u>J-55</u>	<u>290</u>	<u>6-1/2</u>	<u>Surface</u>			<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>8HT</u>	<u>J-55</u>	<u>3716</u>	<u>5-1/2</u>	<u>5-1/2</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>6-5/8</u>	<u>707</u>	<u>160 sacks of cement</u>	<u>3 J Service 1 plug</u>		
<u>5-1/2</u>	<u>3721</u>	<u>130 sacks of cement</u>	<u>3 J Service 2 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 4390 feet, and from _____ feet to _____ feet

DATES

Completed December 27, 1960 as pumping oil well Harroshaw Gallup field. Put to producing December 16, 1960Potential test December 27, 1960 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%emulsion; _____% water; and _____% sediment. Gravity, °Bé. 99.5If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 40.8° API

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

Fate Estes, Driller Jackie White, DrillerGville Green, _____, Driller G. B. Sanderfer

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>870</u>	<u>870</u>	<u>Surface sand, shale and coal.</u>
<u>870</u>	<u>1820</u>	<u>950</u>	<u>Monroe shale.</u>
<u>1820</u>	<u>2271</u>	<u>451</u>	<u>Point Lookout sand and shale.</u>
<u>2271</u>	<u>3270</u>	<u>999</u>	<u>Duncan shale.</u>
<u>3270</u>	<u>3646</u>	<u>376</u>	<u>Gallup sands and shales.</u>
<u>3646</u>	<u>4035</u>	<u>389</u>	<u>Sanabete salt and shale.</u>
<u>4035</u>	<u>4100</u>	<u>65</u>	<u>Greenhorn shale.</u>
<u>4100</u>	<u>4160</u>	<u>60</u>	<u>Greenhorn shale.</u>
<u>4160</u>	<u>4390</u>	<u>230</u>	<u>Lakota sands, shale and coal.</u>
			<u>(Top from 2 log)</u>

(OVER)

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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SECRET
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FORMALION RECORD--Continued