

New Mexico

U.S. LAND OFFICE

SERIAL NUMBER 04419

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

AUG 27 1958

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **PAN AMERICAN PETROLEUM CORPORATION** Address **Box 487, Farmington, New Mexico**Lessor or Tract **Joseph W. Alcala "A"** Field **Hermosa Gallup** State **New Mexico**Well No. **1** Sec. **18** T. **18N** R. **16W** Meridian **W.M.P.M.** County **San Juan**Location **720** ft. **N.** of **1/4** Line and **2090** ft. **E.** of **1/4** Line of **Section 18** Elevation **5581**
(Derrick floor relative to sea level)The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.

ORIGINAL SIGNED BY

Signed **R. M. Bauer Jr.**Date **August 26, 1958**Title **Field Engineer**

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

Commenced drilling **June 26**, 19**58** Finished drilling **July 11**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1492** to **1512** No. 4, from _____ to _____No. 2, from **1582** to **1614** 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	Pierced		Purpose
							From—	To—	
8-5/8	22.7	4	Union	211	Chisel	Surface			Surface
5-1/2	16.8	4	Union	1485	Chisel	Oil String			Oil String

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	217	160 sacks	Halliburton No. 1 Plug		
5-1/2	1685	150 sacks	Halliburton No. 2 Plug		

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 **1685** feet, and from _____ feet to _____ feet

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

DATES

Completed as pumping oil well August 22, 19**58** Date first new oil to tanks: _____Hermosa Gallup Field. Potential test Put to producing _____ August 17, 19**58**

pumped 79 barrels of fluid of which _____ % was oil; _____ %

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **99.4**

If gas well cu. ft. per 24 hours

Gas oil ratio too small to measure

Rock pressure, lbs. per sq. in. _____

Gallons gasoline per 1,000 cu. ft. of gas **40.4**

EMPLOYEES

_____, Driller _____, Driller

V. J. Garrison**G. B. Glasgow****H. H. Ray****J. L. Copeland**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1250	1250	Hermosa shale
1250	1685	435	Gallup sands

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[illegible]

5-1/2" casing was set at 1685', with 100 sacks of 65 lb cement followed by 50 sacks
next cement. Pressured up on casing to 2500 pounds, bled off to 1000 pounds in 7
minutes. Run temperature survey, top cement at 1690', displaced oil with water. Set
the tool at 1694'. Pressured down to 2500 pounds, bled off to 1000 pounds in 2
minutes. Pumped in 1/4 barrel per minute at 2500 pounds. Ran tubing with 4-3/4"
cast iron bridge plug set at 1668'. Run dump bottle and capped with one sack cement.
Tested casing to 2500 pounds. Casing did not leak, which held with no drop
in pressure. Completed drilling June 25 1952. Finished drilling July 11 1952.

Joseph W. KATHLEIN Well No. 1 was spudded on June 26, 1958, and on June 29, 1958, 8-5/8" casing was landed at 2171 with 160 pounds of cement. After waiting on cement, casing and water shut-off were tested with 500 pounds pressure for thirty minutes, when held with no drop in pressure.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was damaged or left in the well, give date and location. If material has been dynamited, give date, size, position, etc., noting the number of charges used and interest for water, state kind of material used, position, and results of pumping and testing.					
Casing per foot	1 inch	Made	Amount	Kind of stone	Cut and pulled from
					From—
					To—
					Purposes

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
1950	1949	1250	Yellow shale
1950	1949	135	Yellow sands

EMPLOYEES			
Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

TOOLS USED			
Rotary tools were used from	feet to	feet, and from	feet to
Cable tools were used from	feet to	feet, and from	feet to

SHOOTING RECORD			
Size	Shell used	Explosive used	Quantity
Depth shot	Depth cleaned out		

PLUGS AND ADAPTERS			
Heaving plug—Material	Length	Depth set	
Adapters—Material	Size		

MUDGING AND CEMENTING RECORD			
Size casing	Where set	Number sacks of cement	Method used
Amount of mud used			