

[illegible]

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 Mexico
Lessor or Tract Callegos Canyon Unit Field Basin Dakota State New Mexico
Well No. 89 Sec. 6 T. 27N R. 12W Meridian N.M.P.M. County San Juan

Location 990 ft S. of N. 1/2 Line and 2650 ft E. of W. Line of Section 6 Elevation 5779

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: _____ Title: Senior Petroleum Engineer

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

Commenced drilling May 13 1961 Finished drilling May 22 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5065 to 6000. No. 4, from 6000 to 7000.

No. 2, from _____ of _____ to _____, dated _____, 19____. No. 5, from _____ of _____ to _____, dated _____, 19____.

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	Male	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	20#	8RT	CP&I	6139	Guide				Surface
4-1/2"	9.5#	8RT	CP&I	6139	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	360	200	Halliburton	2 plug.	
4-1/2"	6124	525	Halliburton	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 ----- feet, and from ----- feet to ----- feet.

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

3. DATES

COMPLETION DATA		DATES	
Completed as Basin Dakota Field Well	19	Completed as shut in Gas well	10
		Put to producing	

Completed as shut in Gas well
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. 7025

EMPLOYEES

_____, Driller

J. S. Brinkley, Driller

J. D. Roe FORMATION RECORD Charles Lockhart

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1355	1355	Surface sands and shales including Farmington and Fruitland sands.
1355	1529	174	Pictured Cliffs shales and sands.
1529	2220	691	Lewis shales.
2220	4090	1870	Mesaverde sands and shales.
4090	4931	841	Mancos shale.
4931	5422	491	Gallup sands and shales.
5422	5786	364	Sawastee shales and sands.
5786	5910	124	Greenhorn sands and shales.
5910	5963	53	Upper Dakota sands and shales.
5963	6124	161	Dakota pay sands and Lower Dakota Shales and sands.

(Tons from E log)

(OVER)

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming squares. There are approximately 10 columns and 8 rows visible. A small, faint mark or smudge is present near the top center of the page.

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

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 sidetracked, or left in the well, give date, size, position, and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD					
Size casing	Weight set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2"	200	200	Water	1.050	
2 1/2"	200	200	Water	1.050	

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

SHOOTING RECORD					
Size	Shell used	Explosive used	Quantity	Date	Depth shot

TOOLS USED					
Row	Tools used	From	To	From	To
1	Row	Tools used	From	To	From

DATES					
Row	From	To	From	To	From
1	Row	From	To	From	To

EMPLOYEES					
Row	From	To	From	To	From
1	Row	From	To	From	To

FORMATION RECORD					
FROM -	TO -	TOTAL FEET	FORMATION	FORMATION	FORMATION
0	1355	1355	Surface sands and shales including formation and limestone sands.		
1355	1365	10	Shales and shales.		
1365	1370	5	Shales.		
1370	1375	5	Shales and shales.		
1375	1380	5	Shales.		
1380	1385	5	Shales and shales.		
1385	1390	5	Shales.		
1390	1395	5	Shales and shales.		
1395	1400	5	Shales.		
1400	1405	5	Shales and shales.		
1405	1410	5	Shales.		
1410	1415	5	Shales and shales.		
1415	1420	5	Shales.		