

U. S. LAND OFFICE **Jicarilla Apache**
 SERIAL NUMBER **Jicarilla Contract**
 LEASE OR PERMIT TO PROSPECT **148**

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 Jicarilla Contract 148 Field South Blanco- State New Mexico
 Well No. 11 Sec. 13 T. 25N R. 5W Meridian N.M.P.M. Pictured Cliffs County Rio Arriba
 Location 1450 ft. NE of N Line and 990 ft. NE of E Line of Section 13 Elevation 7329
 (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.

Signed _____

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

Date January 30, 1959

Title **Field Engineer**

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

Commenced drilling January 7, 1959 Finished drilling January 12, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3630 to 3664 (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 _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	216	160 sacks cement	Halliburton	No. 2 plug	
4-1/2"	3707	250 sacks of cement	Halliburton	No. 2 plug	

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 3710 feet, and from _____ feet to _____ feet

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

DATES

Completed as shut in South Blanco-Pictured Cliffs development gas well

Put to producing Shut in for pipeline connection:
January 20, 1959

The ^{January 20} ~~monthly~~ ¹⁹⁵⁹ ~~test~~ ^{report} 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 7,790,000 Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 457. (Shut in casing pressure 10 days)

EMPLOYEES

Pete Estes	, Driller	Jackie White	, Driller
John Wright	, Driller	F. J. Duck	, Driller

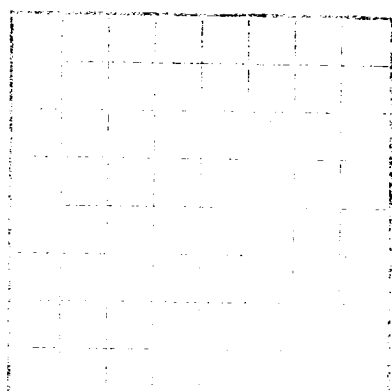
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3280	3280	Surface sands & shales.
3280	3630	350	Kirtland-Fruitland.
3630	3664	34	Pictured Cliffs
			(Tops from E log)

{OVER}

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The contract for the well No. 11 was spudded on January 7, 1959, and on January 8, 1959, 8-5/8" casing was set at 816' with 160 sacks of cement. After waiting on cement, casing and water shut-off were tested with 400 pounds pressure for 30 minutes, which held 14th no drop in pressure. Reduced hole to 7-7/8" at 216' and resumed drilling operations.

4-1/2" casing was set at 370' with 200 sacks of cement, followed by 50 sacks of cement. Released rotary rig on January 12, 1959. Moved in completion unit and tested casing and water shut off with 9000 pounds for thirty minutes.

Spotted 200 gallons 15% mud clean out agent on bottom. Perforated 1600' casing formation with two shots per foot 1954-1958. 2000 water packed with 30,000 gallons water and 40,000 pounds sand. Formation broke at 1750 pounds, average casing limited at 3619'. Released completion unit. Completed as shut in South

Blinco-located 4111's field development gas well on January 20, 1959. Perforated

any test 7790 MCPPD Pilot Tube Measurement after flowing 4 hours.

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 its size 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 bailing.

HISTORY OF OIL OR GAS WELL

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