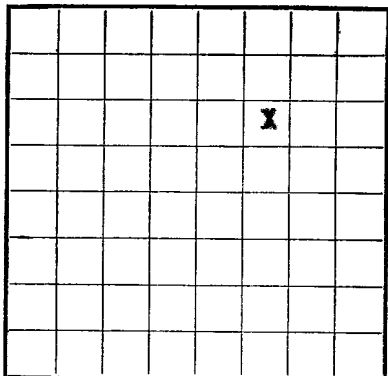


U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Jicarilla Contract 155
LEASE OR PERMIT TO PROSPECT _____

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 Jicarilla Contract 155 Field South Blanco Pictured Cliffs State New Mexico
Well No. 9 Sec. 30 T. 26N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. 1/2 S. of N Line and 1650 ft. 1/2 W. of E Line of Section 30 Elevation 6689
(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
R. M. Bauer, Jr.Date November 28, 1958 Title Field Engineer

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

Commenced drilling November 6, 1958 Finished drilling November 11, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3028 to 3066 (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. 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>8-5/8"</u>	<u>22.7</u>	<u>5</u>	<u>Slip Joint Arisco</u>	<u>207</u>	<u>Guide</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>16.50</u>	<u>5</u>	<u>National</u>	<u>919</u>	<u>Guide</u>				<u>Oil string</u>
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
<u>8-5/8"</u>	<u>215</u>	<u>175 sacks cement</u>	<u>Halliburton</u>	<u>No. 1 Plug</u>	
<u>4-1/2"</u>	<u>3120</u>	<u>225 sacks cement</u>	<u>Halliburton</u>	<u>No. 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 _____ feet to _____ feet, and from _____ feet to _____ feet

Completed as shut in South Blanco-Pictured Cliffs
Field Development Gas Well

Put to shut in for pipeline connection 9The 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 15032,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

FOLD MARK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATED BY CORRECTION

The information given herein is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

E. M. Baret Jr.
ORIGINAL SIGNED BY

Location _____ of _____ Line and _____ of _____ Elevation _____
Well No. _____ Sec. _____ T. _____ R. _____ S. _____
Owner or Operator _____
Field _____ State _____
Address _____
Company _____

Alitalia Contract 155 Well No. 8 was spudded on November 6, 1958, and on November 7, 1958, 8-5/8" casing was set at 215' with 175 sacks cement. After waiting on cement, casing and water shut-off were tested with 700 pounds pressure for thirty minutes, which held with no drop in pressure.
 Four and one-half inch casing was landed at 1120' with 175 sacks 4 1/2 gal cement followed by 50 sacks neat cement. 4-1/2" well casing was tested with 1000 pounds pressure for thirty minutes, which held with no drop in pressure.
 Alitalia Contract 155 Well No. 9. Swabbed casing dry. Spotted 200 gallons and 40,000 pounds sand. Formation broke at 3000 pounds. Average treating pressure 1650 pounds. Average injection rate 4.6 barrels per minute. The tube tubing was landed at 3031'. Completed a shut-in blank-plugged cilia field development. Gas well November 18, 1958. Preliminary test is 0.32 MCFD, Pitot tube measurement.

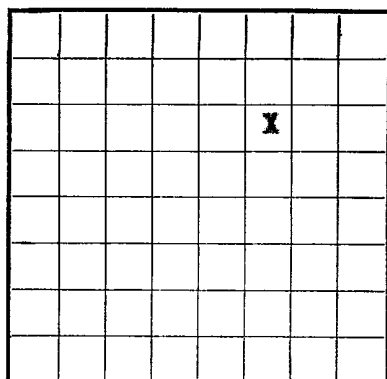
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its 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

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

[illegible]

U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Jicarilla Contract
LEASE OR PERMIT TO PROSPECT 155



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 Jicarilla Contract 155 Field South Blanco State New Mexico
 Well No. 9 Sec. 30 T. 26N. 5W Meridian N.M.P.M. County Rio Arriba
 Location 1650 ft. (N) of N Line and 1650 ft. (W) of E Line of Section 30 Elevation 6689

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.

Date **November 28, 1958** Title **Field Engineer**

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

Commenced drilling November 6 19 58 Finished drilling November 11 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3028 to 3066 (C) 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. 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—	
8-7/8"	22.7	Slick Joint Armo		207	Gulls				Surface Oil string
6-7/8"	9.50	National Slick			Gulls				Oil String
HISTORY OF OIL ON CAS APT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	215	175 sacks cement	Halliburton	No. 1 Plug	
4-1/2"	3120	225 sacks cement	Halliburton	No. 2 Plug	

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

[illegible]

SHOOTING RECORD

[illegible]

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.

DATES

Completed as shot in South Blanco-Pictured Cliffs

Field Development Gas Well 19	Put to production for pipeline connection 19
November 18 58	November 18 58

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----%

Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 15032.000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- 864 (Shut in casing pressure) 7 Days

EMPLOYEES

_____, Driller

Cotton Gipsen	Driller	Charles Miller	Driller
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FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2630	2630	Surface sand & shale.
2630	2800	170	Kirtland sand & shale.
2800	3022	222	Fruitland sands, shales, & coals.
3022	3120	98	Pictured Cliffs sands.
			(Tops from E logs)

LOG OF OIL OR GAS WELL

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.

S. M. Bauer, Jr.
ORIGINAL SIGNED BY

Location of well in [] of [] Time and date [] of []
Well No. [] Sec. [] T. [] R. []
County [] State []
Lessor's name []
Company []
Address []

The following is a summary of the work done on the 155 well No. 9, and on November 7, 1958, 8-5/8" casing was set at 215' with 175 sacks cement. After waiting on cement, casing and water shut-off were tested with 700 pounds pressure for thirty minutes, which held with no drop in pressure. Four and one-half inch casing was landed at 1120' with 175 sacks 4 1/2 gal cement followed by 50 sacks neat cement. 4 1/2" test casing was tested with 700 pounds pressure for thirty minutes, which 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 "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

U. S. GOVERNMENT PRINTING OFFICE: 1969 O - 350-842

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FORMATION RECORD—Continued