

Form 9-330

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corp. Address Box 480, Farmington, New Mexico
Lessor or Tract Jicarilla Contract 155 Field Basin Dakota State New Mexico
Well No. 16 Sec. 30 T. 26N R. 5E Meridian N.M.P.M. County Rio Arriba

Location 1850 ft. S of N Line and 790 ft. E of N Line of Section 30 Elevation 6693 (RDB)
(Derrick 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.

Original Signed By R. D. Davis
Date October 19, 1961 Title Senior Petroleum Engineer

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

Commenced drilling September 7, 1961 Finished drilling September 21, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7271 to 7276 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>8</u>	<u>API</u>	<u>491'</u>	<u>Cable</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>9.5#</u>	<u>8RT</u>	<u>CP&I</u>	<u>7424'</u>	<u>Cable</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>8-5/8"</u>	<u>499'</u>	<u>380</u>	<u>Halliburton</u>	<u>1 plug</u>	
<u>4-1/2"</u>	<u>7390'</u>	<u>805</u>	<u>Halliburton</u>	<u>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

DATES

Completed as Shut In Basin Dakota Field Put Shut In for Pipeline Connections, 19____
Nov. Well October 13, 61 October 13, 61
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

Preliminary test _____ ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure _____ lbs. per sq. in. _____

EMPLOYEES

_____, Driller
D. S. Wisener _____, Driller
Leon Vestal _____, Driller
Stilles Priddy _____, Driller
R. D. Davis _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>3020</u>	<u>3020</u>	<u>Undifferentiated sand and shale</u>
<u>3020</u>	<u>3100</u>	<u>80</u>	<u>Pictured Cliffs sand and shale</u>
<u>3100</u>	<u>4712</u>	<u>1612</u>	<u>Lewis shale</u>
<u>4712</u>	<u>5456</u>	<u>744</u>	<u>Mesaverde sand, shale and coal</u>
<u>5456</u>	<u>6416</u>	<u>960</u>	<u>Mancos shale</u>
<u>6416</u>	<u>6848</u>	<u>432</u>	<u>Gallup sand and shale</u>
<u>6848</u>	<u>7130</u>	<u>282</u>	<u>Sanastee sand and shale</u>
<u>7130</u>	<u>7262</u>	<u>132</u>	<u>Greenhorn sand</u>
<u>7262</u>	<u>7390</u>	<u>128</u>	<u>Graneros sand and shale</u>
			(Tops From K Log)

(OVER)

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A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 20 rows of squares. A thicker vertical line runs down the left side, creating a margin. A thicker horizontal line runs across the top, creating a header area. In the upper right quadrant, there is a small, dark, irregular mark or smudge.

LOCATE WELL CORRECTLY

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 "shut in," or left in the well, give date and location. If the well has been dyanamited, 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

HRAM 10-07

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

1991	of	1991	from	1991	of	1991	from
1991	of	1991	from	1991	of	1991	from

DATE

The production for the first 24 hours was _____ _____% sediment _____% water; and _____% oil	Put to producing _____ _____% was oil; _____ Gravity, °Be. _____
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EMPLOYEES

Driller	Driller		
Driller	Driller		

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	0000	0000	0000
1000	1000	1000	1000
2000	2000	2000	2000
3000	3000	3000	3000
4000	4000	4000	4000
5000	5000	5000	5000
6000	6000	6000	6000
7000	7000	7000	7000
8000	8000	8000	8000
9000	9000	9000	9000
10000	10000	10000	10000

INFORMATION RECORD--Continued