

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 3F-077966
LEASE OR PERMIT TO PROSPECT
Gallagos Canyon Unit

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Elm American Petroleum Corporation Address Box 187, Farmington, New Mexico
Lessor or Tract Gallagos Canyon Unit Field Cha Cha Gallup State New Mexico
Well No. 116 Sec. 24 T. 28N R. 13W Meridian N.M.P.M. County San Juan
Location 1830 ft. [N] of 8 Line and 1830 [E] of 1 Line of Section 24 Elevation 5751
(Denote 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 P. M. Babcock Title Senior Petroleum Engineer

Date December 7, 1961

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

Commenced drilling November 12, 19 61 Finished drilling November 23, 19 61OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5435 to 5440 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>Amoco</u>	<u>203'</u>	<u>Guide</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>16.5</u>	<u>8</u>	<u>API</u>	<u>5410'</u>	<u>Guide</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>211'</u>	<u>150</u>	<u>Halliburton 1 plug</u>		
<u>4-1/2"</u>	<u>5586'</u>	<u>300</u>	<u>Halliburton 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 0 feet to 5596 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Completed as flowing well Cha Cha Gallup First new oil
field December 1, 19 61 Put to producing November 30, 19 61

The production for the first 24 hours was 200 barrels of fluid of which 99.6% was oil; _____%
emulsion; _____% water; and .4% sediment. Gravity, °Bé. 44.2° API

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

EMPLOYEES

C. C. Adams, Driller J. Speaker, Driller
Earl Babcock, Driller Jim Babcock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>213</u>	<u>213</u>	<u>Surface sands and shale.</u>
<u>213</u>	<u>1430</u>	<u>1217</u>	<u>Kirtland-Farmington and Fruitland sands, shales and coals.</u>
<u>1430</u>	<u>1580</u>	<u>150</u>	<u>Pictured Cliffs sand and shale.</u>
<u>1580</u>	<u>2995</u>	<u>1415</u>	<u>Lewis shale and sand.</u>
<u>2995</u>	<u>3080</u>	<u>85</u>	<u>Cliffhouse sand and shale.</u>
<u>3080</u>	<u>3900</u>	<u>820</u>	<u>Manefee sand, shale and coal.</u>
<u>3900</u>	<u>4168</u>	<u>268</u>	<u>Point Lookout sand and shale.</u>
<u>4168</u>	<u>5082</u>	<u>914</u>	<u>Mancos shale.</u>
<u>5082</u>	<u>5433</u>	<u>351</u>	<u>Gallup sands and shale.</u>
<u>5433</u>	<u>5443</u>	<u>10</u>	<u>Gallup pay sand.</u>
<u>5443</u>	<u>5596</u>	<u>153</u>	<u>Gallup shale.</u>

(Note from "log")

