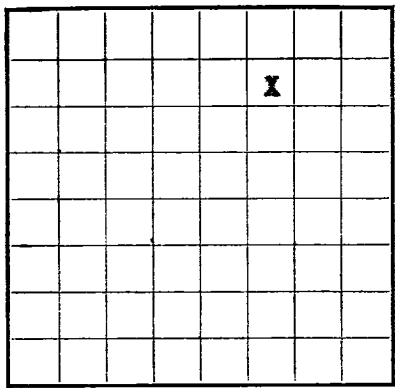
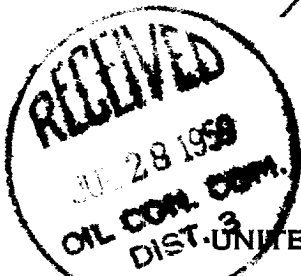




LOCATE WELL CORRECTLY



Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-047039-A
LEASE OR PERMIT TO PROSPECT _____

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract J. F. Day "D" Field Angel Peak State New Mexico
Well No. 1 Sec. 20 T28N R. 10W Meridian N.M.P.M. County San Juan
Location 790 ft. of N Line and 1850 ft. of W Line of Section 20 Elevation 6035
(Derrick floor relative to base of 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.
Signed R. M. Bauer, Jr. Title Area Engineer
Date July 10, 1959
The summary on this page is for the condition of the well at above date.
Commenced drilling June 7, 1959 Finished drilling June 28, 1959

OIL OR GAS SANDS OR ZONES

No. 1, from 6544 to 6542 (0) No. 2, from 6542 to 6540 (0) No. 3, from 6540 to 6538 (0) No. 4, from 6538 to 6536 (0) No. 5, from 6536 to 6534 (0) No. 6, from 6534 to 6532 (0)

IMPORTANT WATER SANDS

No. 1, from 6544 to 6542 (0) No. 2, from 6542 to 6540 (0) No. 3, from 6540 to 6538 (0) No. 4, from 6538 to 6536 (0) No. 5, from 6536 to 6534 (0) No. 6, from 6534 to 6532 (0)

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	383	185	sacks of cement	Halliburton	1 plug				
5-1/2"	6662	700	sacks of cement	Halliburton	2 stage				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	383	185	sacks of cement	Halliburton	1 plug
5-1/2"	6662	700	sacks of cement	Halliburton	2 stage

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 0 feet to 6662 feet, and from _____ feet to _____ feet

DATES

Completed as shut in gas well Angel Peak
Dakota Field July 5, 1959 Put to production for pipeline connection
July 5, 1959
The production for the first 24 hours was _____ barrels of fluid of which 59 % 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. 5,496,000

EMPLOYEES

_____, Driller _____, Driller
John D. Roe, Driller J. G. Binkley, Driller
Charles Lockhart

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	382	382	Surface sands and shales.
382	965	583	Animas sands & shales.
965	1130	165	Ojo Alamo sands & shales.
1130	1834	704	Kirtland-Farmington sands & shales.
1834	2076	242	Fruitland sands, shales & coals.
2076	2205	129	Pictured Cliffs sands & shales.
2205	3630	1425	Lords shale & sands.
3630	4715	1085	Mesaverde sands, shales and coals.
4715	5590	875	Hances shale.
5590	6360	770	Gallup sands & shales.
6360	6428	68	Greenhorn shale.
6428	6482	54	Gromerous shales & sands.
6482	6544	62	Dakota Sands & Shales.
6544	6662	118	Dakota pay sands & shales.
(Tops from Electric log)			
LEOVI—	TO—	LOLVI EEL	LOEVIATION

FORMATION RECORD—Continued