

U. S. LAND OFFICE Santa FeSERIAL NUMBER SR 07122 **VE D**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR

OCT 19 1959

GEOLOGICAL SURVEY

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LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New MexicoLessor or Tract U. S. Hargrave #1 Field Angels Peak State New MexicoWell No. 1 Sec. 16 T. 27N R. 10W Meridian N.M.P. County San JuanLocation 790 ft. N. of 3 Line and 790 ft. E. of 4 Line of Section 16 Elevation 5959 (RIB)

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

R. M. Bauer, Jr.

Signed

Date October 16, 1959Title Area Engineer

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

Commenced drilling August 29, 1959 Finished drilling September 10, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6334 to 6370 (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>21</u>	<u>8RT</u>	<u>National</u>	<u>252</u>	<u>Guide</u>				<u>Surface</u>
<u>4-1/2</u>	<u>11.6</u>	<u>8RT</u>	<u>National</u>	<u>238</u>	<u>Slide</u>				<u>Oil String</u>
<u>4-1/2</u>	<u>9.5</u>	<u>8RT</u>	<u>National</u>	<u>6250</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>373</u>	<u>250 sacks of cement</u>	<u>Halliburton 2 plug</u>		
<u>4-1/2</u>	<u>6465</u>	<u>800 sacks of cement</u>	<u>aker 2 stage</u>		

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 6465 feet, and from _____ feet to _____ feet

DATES

Completed as shut in gas well Angels Peak Put to producing Shut in for pipeline connection
Dakota field September 28, 1959 September 28, 1959

The 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 _____

Gallons gasoline per 1,000 cu. ft. of gas _____

Preliminary test MCF

Rock pressure, lbs. per sq. in. 2460

1943 EMPLOYEES

_____, Driller

Lee Saylor

_____, Driller

Clair Wilson

_____, Driller

R. J. Schmidt

FORMATION RECORD Glen Sanford

FROM—	TO—	TOTAL FEET	FORMATION
0	365	365	Surface sand & shale.
365	765	400	Animas sand & shale.
765	928	163	Ojo Alamo sand.
928	1475	547	Kirtland-Farmington sand & shale.
1475	1792	317	Fruitland sand, shale & coal.
1792	1880	88	Pictured Cliff sand & shale.
1880	3315	1435	Lewis shale & sand.
3315	3425	110	Cliffhouse sand & shale.
3425	4215	790	Menefee sand, shale & coal.
4215	4470	255	Point Lookout sand & shale.
4470	5317	847	Mancos shale.
5317	6144	827	Gallup sand & shale.
6144	6204	60	Ore horn shale.
6204	6268	64	Graneros sand & shale.
6268	6332	64	Dakota sand & shale.
6332	6465	133	Dakota pay sand & shale.
			(Tops from E log)
Potential test October 14, 1959 flowed 1652 MCFPD through 3/4" choke after 3 hours.			
Absolute open flow potential 1776 MCFPD.			

(OVER)

