

U. S. LAND OFFICE Santa FeSERIAL NUMBER SF-977383

LEASE OR PERMIT TO PROSPECT

RECEIVED
NOV 16 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company PAN AMERICAN PETROLEUM CORPORATION Address Box 487, Farmington, New Mexico
Lessor or Tract J. C. Davidson "Q" Field Angels Peak- State New Mexico
Well No. 1 Sec. 21 T. 28N R. 10W Meridian N.M.P.M. County San Juan
Location 1850 ft. N. of N Line and 790 ft. W. of E Line of Section 21 Elevation 6036 (RDB)
(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
Signed R. M. Bauer, Jr.

Date November 16, 1959Title Area Engineer

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

Commenced drilling September 21, 1959 Finished drilling October 11, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6520 to 6592 (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>9-5/8"</u>	<u>37.5</u>	<u>8RT</u>	<u>J-55</u>	<u>650</u>	<u>Chisel</u>	<u>Surface</u>			<u>Surface</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>8RT</u>	<u>J-55</u>	<u>650</u>	<u>Chisel</u>	<u>Oil String</u>			<u>Oil String</u>
<u>4-1/2"</u>	<u>11.6</u>	<u>8RT</u>	<u>J-55</u>	<u>650</u>	<u>Chisel</u>	<u>Oil String</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>9-5/8"</u>	<u>375</u>	<u>200 ex. cement</u>	<u>Halliburton</u>	<u>One Plug</u>	
<u>4-1/2"</u>	<u>6675</u>	<u>750 ex. cement</u>	<u>Baker 2-Stage</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 at Shut In Gas Well Put to production Shut In for Pipeline ConnectionOctober 28, 1959, Angels Peak Dakota October 28, 1959The production for the first 24 hours was _____ barrels of fluid of which _____% was oil, _____%
emulsion, _____% water, and _____% sediment. Gravity, °Bé

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

Beck pressure, lbs. per sq. in. 5917

_____ Driller _____ Driller

_____ Driller _____ Driller

_____ Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>389</u>	<u>389</u>	<u>Surface sand and shale.</u>
<u>389</u>	<u>1010</u>	<u>621</u>	<u>Angels sand and shale.</u>
<u>1010</u>	<u>1150</u>	<u>140</u>	<u>Ojo Alamo sand.</u>
<u>1150</u>	<u>1840</u>	<u>690</u>	<u>Kirtland-Farmington sand and shale.</u>
<u>1840</u>	<u>2088</u>	<u>248</u>	<u>Fruitland sand, shale and coal.</u>
<u>2088</u>	<u>2165</u>	<u>77</u>	<u>Piedmont Cliffs sand and shale.</u>
<u>2165</u>	<u>3635</u>	<u>1470</u>	<u>Lower shale.</u>
<u>3635</u>	<u>3740</u>	<u>105</u>	<u>Cliff sand and shale.</u>
<u>3740</u>	<u>4410</u>	<u>670</u>	<u>Angels sand, shale and coal.</u>
<u>4410</u>	<u>4720</u>	<u>310</u>	<u>Lower sand and shale.</u>
<u>4720</u>	<u>5975</u>	<u>1255</u>	<u>Lower sand and shale.</u>
<u>5975</u>	<u>6340</u>	<u>365</u>	<u>Callus sand and shale.</u>
<u>6340</u>	<u>6408</u>	<u>68</u>	<u>Graneros shale.</u>
<u>6408</u>	<u>6455</u>	<u>47</u>	<u>Graneros shale and sand.</u>
<u>6455</u>	<u>6520</u>	<u>65</u>	<u>Dakota sand and shale.</u>
<u>6520</u>	<u>6675</u>	<u>155</u>	<u>Dakota pay sand, shale and coal.</u>

Potential Test 11-13-59 flowed 6504 MCFFD
through 3/4" choke after 1 hour. Absolute
open flow potential 10,465 MCFFD.

