

[illegible]

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF - 077921-A
LEASE OR PERMIT TO PROSPECT _____
Jack Frost "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

NOV 3 1959

LOG OF OIL OR GAS WELL U.S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
 Lessor or Tract Jack Frost "B" Field Angels Peak Calling State New Mexico
 Well No. 1 Sec. 27 T. 27N R. 10W Meridian N.M.P.M. County San Juan
 Location 1190 ft. {N.} of 3 Line and 895 ft. {E.} of 8 Line of Section 27 Elevation 6543
 (Check box indicating sec. loc.)

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.

Date October 30, 1959

Title Area Engineer

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

Commenced drilling February 26-----, 1959. Finished drilling March 27-----, 1959.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6161 to 6117 No. 4, from 6910 to 6925 (6)
 No. 2, from 6624 to 6842 (6) No. 5, from _____ to _____
 No. 3, from 6854 to 6810 (6) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
7"	20	SRT	J-55	1360	Guide				Oil string
7"	23	SRT	J-55	190	Guide				Oil string
7"	23	SRT	N-80	686	Guide				Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	490	350 sacks cement	Halliburton 2 plug		
7"	6955	675 sacks 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 6955 feet, and from _____ feet to _____ feet.

DATES

Dually completed well October 30, 1959 as	Put to producing	Date first new oil produced from
pumping oil well Angels Peak Gallup and shut in	Gallup:	October 16, 1959
The production for the first 24 hours was	barrels of fluid of which	% was oil; %
gas well Angels Peak Dakota.		
emulsion: % water; and % sediment.	16	
	Gravim. °Be.	99.8

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas ^{43.2}

Rock pressure, lbs. per sq. in. 1053

1761 EMPLOYEES tubing pressure Dakota after 7 days.

C. F. Polen, Driller G. A. Rye, Driller

FORMATION RECORD Ira Brown

FROM—	TO—	TOTAL FEET	Absolute Potential 1065 MCFFD.
0	490	490	Surface sand & shale.
490	1305	815	Animas sand & shale.
1305	1435	130	Ojo Alamo sand.
1435	2105	670	Kirtland-Farmington shale & sand.
2105	2285	180	Fruitland sand, shale & coal.
2285	2380	95	Pictured Cliffs sand & shale.
2380	3190	810	Lewis shale.
3190	3290	100	Cliffhouse sand & shale.
3290	4720	1430	Mensee sand, shale & coal.
4720	4950	230	Point Lookout sand & shale.
4950	5810	860	Mancos shale.
5810	6161	351	Gallup sand & shale.
6161	6187	26	Gallup pay sand.
6187	6295	108	Gallup shale.
6295	6655	360	Sanastee sand & shale.
6655	6710	55	Greenhorn shale.
6710	6764	54	Graneros shale & sand.
6764	6820	56	Dakota sand & shale.
6820	6955	135	Dakota pay sand, shale & coal.
			(Tops from E log)

(Taken from E log)

UNITED STATES

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

924

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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
F. M. Bauer

ORIGINAL SIGNED BY

Location _____ of _____ line and sec. _____ of _____ line of _____ Township _____ Range _____ Meridian _____
Well No. _____ Sec. _____ T. _____ R. _____
Lessor or Trust _____
Company _____
State _____
Address _____

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

Date _____ Title _____

Commenced drilling _____ Finished drilling _____ 19__

OIL OR GAS SANDS OR ZONES

(C) 1994 by GPO

No. 1, from	to	No. 1, from	to
No. 2, from	to	No. 2, from	to
No. 3, from	to	No. 3, from	to

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

[illegible]

PAID BY THE
RECORDING AND CEMENTING RECORD

Size casing	# of feet	Number sacks of cement	Method used	Kind of water	Amount of water used
1 1/8"	10	20 sacks cement	Grout	Water	
2"	20	40 sacks cement	Grout	Water	

PLUGS AND ADAPTERS

Hearing Range: 20,000 Hz
 Depth: 1000 ft
 Size: 1000 ft

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
Cable tools were used from	feet to	feet, and from	feet to

DATE

The production for the first 24 hours was 100 barrels of fuel of which 100 was oil.

It has well, can it, per 24 hours	% sediment
Emulsion; and	
Gallons gasoline per 1,000 cu. ft. of gas	Gravity, °Be.

Rock pressure, lbs. per sq. in. 105

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INFORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
6000	5950	50	CLAYEY SAND, WHITE & GRAY.
5950	5900	50	CLAYEY SAND & GRAVEL.
5900	5850	50	CLAYEY SAND & GRAVEL.
5850	5800	50	CLAYEY SAND & GRAVEL.
5800	5750	50	CLAYEY SAND & GRAVEL.
5750	5700	50	CLAYEY SAND & GRAVEL.
5700	5650	50	CLAYEY SAND & GRAVEL.
5650	5600	50	CLAYEY SAND & GRAVEL.
5600	5550	50	CLAYEY SAND & GRAVEL.
5550	5500	50	CLAYEY SAND & GRAVEL.
5500	5450	50	CLAYEY SAND & GRAVEL.
5450	5400	50	CLAYEY SAND & GRAVEL.
5400	5350	50	CLAYEY SAND & GRAVEL.
5350	5300	50	CLAYEY SAND & GRAVEL.
5300	5250	50	CLAYEY SAND & GRAVEL.
5250	5200	50	CLAYEY SAND & GRAVEL.
5200	5150	50	CLAYEY SAND & GRAVEL.
5150	5100	50	CLAYEY SAND & GRAVEL.
5100	5050	50	CLAYEY SAND & GRAVEL.
5050	5000	50	CLAYEY SAND & GRAVEL.
5000	4950	50	CLAYEY SAND & GRAVEL.
4950	4900	50	CLAYEY SAND & GRAVEL.
4900	4850	50	CLAYEY SAND & GRAVEL.
4850	4800	50	CLAYEY SAND & GRAVEL.
4800	4750	50	CLAYEY SAND & GRAVEL.
4750	4700	50	CLAYEY SAND & GRAVEL.
4700	4650	50	CLAYEY SAND & GRAVEL.
4650	4600	50	CLAYEY SAND & GRAVEL.
4600	4550	50	CLAYEY SAND & GRAVEL.
4550	4500	50	CLAYEY SAND & GRAVEL.
4500	4450	50	CLAYEY SAND & GRAVEL.
4450	4400	50	CLAYEY SAND & GRAVEL.
4400	4350	50	CLAYEY SAND & GRAVEL.
4350	4300	50	CLAYEY SAND & GRAVEL.
4300	4250	50	CLAYEY SAND & GRAVEL.
4250	4200	50	CLAYEY SAND & GRAVEL.
4200	4150	50	CLAYEY SAND & GRAVEL.
4150	4100	50	CLAYEY SAND & GRAVEL.
4100	4050	50	CLAYEY SAND & GRAVEL.
4050	4000	50	CLAYEY SAND & GRAVEL.
4000	3950	50	CLAYEY SAND & GRAVEL.
3950	3900	50	CLAYEY SAND & GRAVEL.
3900	3850	50	CLAYEY SAND & GRAVEL.
3850	3800	50	CLAYEY SAND & GRAVEL.
3800	3750	50	CLAYEY SAND & GRAVEL.
3750	3700	50	CLAYEY SAND & GRAVEL.
3700	3650	50	CLAYEY SAND & GRAVEL.
3650	3600	50	CLAYEY SAND & GRAVEL.
3600	3550	50	CLAYEY SAND & GRAVEL.
3550	3500	50	CLAYEY SAND & GRAVEL.
3500	3450	50	CLAYEY SAND & GRAVEL.
3450	3400	50	CLAYEY SAND & GRAVEL.
3400	3350	50	CLAYEY SAND & GRAVEL.
3350	3300	50	CLAYEY SAND & GRAVEL.
3300	3250	50	CLAYEY SAND & GRAVEL.
3250	3200	50	CLAYEY SAND & GRAVEL.
3200	3150	50	CLAYEY SAND & GRAVEL.
3150	3100	50	CLAYEY SAND & GRAVEL.
3100	3050	50	CLAYEY SAND & GRAVEL.
3050	3000	50	CLAYEY SAND & GRAVEL.
3000	2950	50	CLAYEY SAND & GRAVEL.
2950	2900	50	CLAYEY SAND & GRAVEL.
2900	2850	50	CLAYEY SAND & GRAVEL.
2850	2800	50	CLAYEY SAND & GRAVEL.
2800	2750	50	CLAYEY SAND & GRAVEL.
2750	2700	50	CLAYEY SAND & GRAVEL.
2700	2650	50	CLAYEY SAND & GRAVEL.
2650	2600	50	CLAYEY SAND & GRAVEL.
2600	2550	50	CLAYEY SAND & GRAVEL.
2550	2500	50	CLAYEY SAND & GRAVEL.
2500	2450	50	CLAYEY SAND & GRAVEL.
2450	2400	50	CLAYEY SAND & GRAVEL.
2400	2350	50	CLAYEY SAND & GRAVEL.
2350	2300	50	CLAYEY SAND & GRAVEL.
2300	2250	50	CLAYEY SAND & GRAVEL.
2250	2200	50	CLAYEY SAND & GRAVEL.
2200	2150	50	CLAYEY SAND & GRAVEL.
2150	2100	50	CLAYEY SAND & GRAVEL.
2100	2050	50	CLAYEY SAND & GRAVEL.
2050	2000	50	CLAYEY SAND & GRAVEL.
2000	1950	50	CLAYEY SAND & GRAVEL.
1950	1900	50	CLAYEY SAND & GRAVEL.
1900	1850	50	CLAYEY SAND & GRAVEL.
1850	1800	50	CLAYEY SAND & GRAVEL.
1800	1750	50	CLAYEY SAND & GRAVEL.
1750	1700	50	CLAYEY SAND & GRAVEL.
1700	1650	50	CLAYEY SAND & GRAVEL.
1650	1600	50	CLAYEY SAND & GRAVEL.

FORMATION RECORD—Continued

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