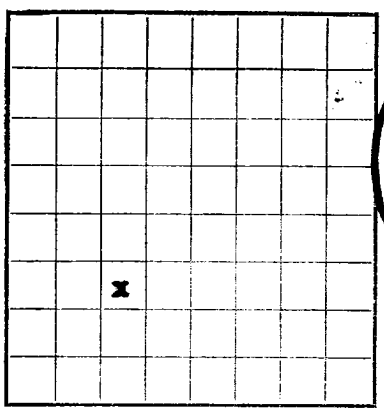
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-048576
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PAN AMERICAN PETROLEUM CORPORATION Address P. O. Box 480, Farmington, New Mexico
Lessor or Tract Pan American Federal "C" Field Basin Dakota State New Mexico
Well No. 1 Sec. 19 T. 30N R 12W Meridian N.M.P.M. County San Juan
Location 1850 ft. {N. / S} of S Line and 1798 ft. {E. / W} of W Line of Section 19 Elevation 5809
(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.

Signed

Date September 3, 1963 Title Petroleum Engineer

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

Commenced drilling August 1, 1963 Finished drilling August 11, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6505 to 6515 (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 From—	Perforated To—	Purpose
8-5/8"	24#	8RT	J-55	365'	Guide				Surface
4-1/2	10.5#	8RT	J-55	6655'	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	365'	225	B.J. Service 1 Plug		
4-1/2"	6618'	1500	Halliburton 2 Stage		

MARK

FOLD

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 6618 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Completed as shut in gas well, Basin Dakota Field August 27, 63 Put to producing Shut in for Pipeline Connection August 27, 63

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 Preliminary Test 2774 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller Arthur G. Miller
, Driller Richard Slaughter
, Driller G. W. Benton
, Driller J. R. Weisgerber

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1900	1900	Surface Sn and Sh
1900	2070	170	Pictured Cliffs
2070	3470	1400	Lewis Sh
3470	4620	1150	Mesaverde Sn and Sh
4620	5570	950	Mancos Sh
5570	5865	295	Gallup Sn and Sh
5865	6314	449	Mancos Sh
6314	6370	56	Greenhorn Sh
6370	6423	53	Graneros Sh
6423	6490	67	Graneros Dakota Sn and Sh
6490	6530	40	Main Dakota Sn
6530	6618	88	Lower Dakota Sn and Sh

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.