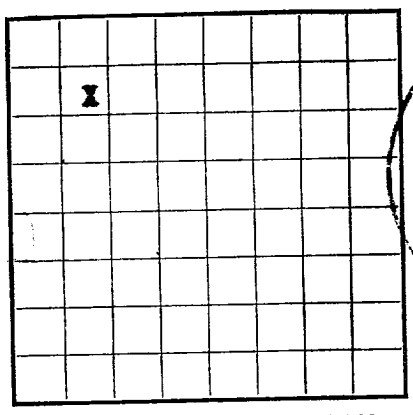
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER I-149-IND-6185
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 Box 487, Farmington, New Mexico
Lessor or Tract Navajo "C" Field Wildcat-Paradox State New Mexico
Well No. 1 Sec. 1 T. 29N R. 17W Meridian N.M.P.M. County San Juan
Location 790 ft. {N.} of S Line and 990 ft. {E.} of W Line of Section 1 Elevation 4976
(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 ORIGINAL SIGNED BY R. M. Bauer, Jr.
Title Field Engineer
Date April 30, 1959

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

Commenced drilling January 1, 19 59 Finished drilling March 28, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6366 to 6390 (G)
No. 2, from ____ to ____
No. 3, from ____ to ____
No. 4, from ____ to ____
No. 5, from ____ to ____
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 From—	Perforated To—	Purpose
16"	65		National	361	Guide				Surface
10-3/4"	40.5		National	2300	Guide				Intermediate
7-5/8"	33.7	8R	National	5610	Guide				Intermediate
5"	15	8RT	National	7049	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	361	500 sacks of cement	Halliburton No. 2 plug.		
10-3/4"	2300	1300 sacks of cement	Halliburton No. 2 plug.		
7-5/8"	5570	150 sacks of cement	Halliburton No. 2 plug.		
5"	7026	350 sacks of cement	Halliburton No. 2 plug.		

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 7026 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

Completed as shut in Paradox discovery Gas well, 19
Well shut in: April 21, 19 59
Put to producing ____, 19
The production for the first 24 hours was 122 barrels of fluid of which 89.3% was oil; ____% emulsion; ____% water; and ____% sediment.
Gravity, °Bé. 68.3 - 71.7 degrees API
If gas well, cu. ft. per 24 hours 19.7 MCF
Gallons gasoline per 1,000 cu. ft. of gas ____
Rock pressure, lbs. per sq. in. 9000
Casing pressure 2477 psig (shut in 7 days.)

Jesse R. York, Driller
James F. Clary, Driller
Lee E. Martin, Driller
R. D. Zent, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	590	590	Sand & shale.
590	706	116	Greenhorn shale.
706	850	144	Dakota sand & shale.
850	1960	1110	Morrison sand & shale.
1960	2685	725	Entrada sand & shale.
2685	3907	1222	Chinle sand & shale.
3907	5265	1358	Cutler sand & shale.
5265	5947	682	Hermosa lime & shale.
5947	6842	895	Paradox lime & shale.
6842	6979	137	Molas shale.
6979	7026	47	Mississippian lime.
			(Tops from E log)

[OVER]

FOLD | MARK

Form 9-330

Budget Bureau No. 42-R356.4
Approval expires 12-31-60.

U. S. Land Office [illegible]
Serial Number ...I-149-[illegible]
Lease or Permit to Prospect ......

RECEIVED 1959 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company [illegible] Address [illegible]

Lessor or Tract [illegible] Field Wildcat [illegible] State New Mexico

Well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] Meridian [illegible] County San Juan

Location [illegible] ft. of Line and [illegible] ft. of Line of [illegible] Elevation [illegible] (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 [illegible]

Title Field [illegible]

Date [illegible], 1959

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

Commenced drilling January [illegible], 1959. Finished drilling March 28, 1959

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5486 to 6790 (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
13 3/8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
8-5/8	32	8R	National	5610	Guide				Intermediate
[illegible]	15	8RT	National	[illegible]	[illegible]				Oil string

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.

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

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	300 sacks of cement	Halliburton No. 2 plugs		
8-5/8	[illegible]	1500 sacks of cement	Halliburton No. 2 plugs		
[illegible]	[illegible]	150 sacks of cement	Halliburton No. 2 plugs		
[illegible]	7126	110 sacks of cement	Halliburton No. 2 plugs		

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 7126 feet, and from ...... feet to ...... feet

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

DATES

[illegible] 19.... Put to producing: Well shut in [illegible] April 21, 1959

The production for the first 24 hours was 122 barrels of fluid of which ......% was oil; ......% emulsion; ......% water; and ......% sediment. Gravity, °Bé. 49.7

If gas well, cu. ft. per 24 hours 9000 Gallons gasoline per 1,000 cu. ft. of gas 48.5 - 71.7 degrees [illegible]

Rock pressure, lbs. per sq. in. [illegible] in 7 days.

EMPLOYEES

[illegible], Driller [illegible], Driller

[illegible], Driller [illegible], Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	500	590	Sand & shale.
[illegible]	716	126	[illegible] shale.
[illegible]	[illegible]	[illegible]	[illegible] sand & shale.
[illegible]	[illegible]	1110	[illegible] sand & shale.
[illegible]	2645	[illegible]	[illegible] sand & shale.
[illegible]	3979	[illegible]	[illegible] sand & shale.
[illegible]	5265	1538	[illegible] sand & shale.
5265	5947	682	Greenhorn lime & shale.
5947	6942	995	[illegible] lime & shale.
6942	7079	137	[illegible] shale.
7079	7126	47	[illegible]
			(Tops from E log)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-4