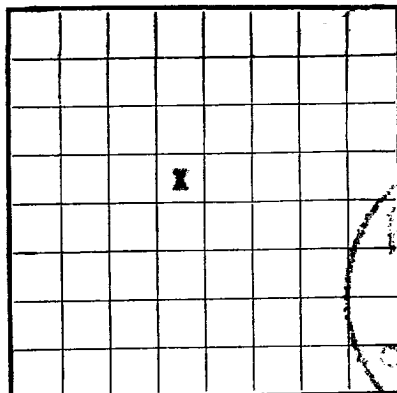
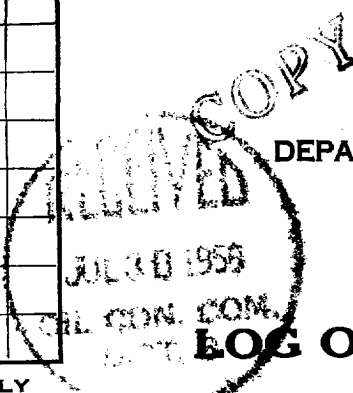


U. S. LAND OFFICE ~~Navajo Tribal~~
SERIAL NUMBER ~~1-29-IND-52~~
LEASE OR PERMIT TO PROSPECT -----



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 USG Section 18 Field Wildcat State New Mexico
Well No. 18 Sec. 18 T. 29N R. 16W Meridian N.M.P.M. County San Juan
Location 1980 ft. SE of N Line and 1980 ft. E of W Line of Section 18 Elevation 5178
(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 L. D. Speer, Jr.

Date February 3, 1962 Title Field Superintendent

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

Commenced drilling November 17, 1957 Finished drilling December 5, 1957

OIL OR GAS SANDS OR ZONES

(Denote quality &)

No. 1, from ~~_____~~ to ~~_____~~ No. 4, from ~~_____~~ to ~~_____~~
No. 2, from ~~_____~~ to ~~_____~~ No. 5, from ~~_____~~ to ~~_____~~
No. 3, from ~~_____~~ to ~~_____~~ No. 6, from ~~_____~~ to ~~_____~~

4-IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	66'	25 sacks B. J. Service No. 1 Plug			
3-1/2"	840'	160 sacks B. J. Service No. 1 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 _____ feet to _____ feet, and from _____ feet to _____ feet

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

DATES

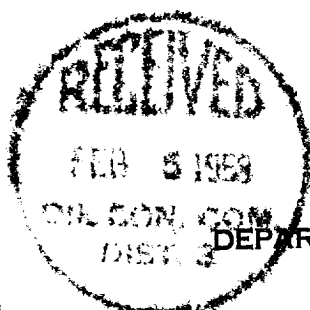
WELL DATA		DATES	
U30 Section 18 Well No. 18 was	Plugged & Abandoned	Put to producing	19--
January 28	19--	barrels of fluid of which	% was oil; %
The production for the first 24 hours was	emulsion; % water; and % sediment.	Gravity, °Bé.	
If gas well, cu. ft. per 24 hours		Gallons gasoline per 1,000 cu. ft. of gas	
Rock pressure, lbs. per sq. in.			

EMPLOYEES

EMPLOYEES	
_____, Driller	_____, Driller
_____, Driller	Leonard Mitshew , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 740	740 859	740 119	Surface sands & shales. Bakota sand & shale.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 467, Farmington, New Mexico
Lessor or Tract USG Section 18 Field Wildcat State New Mexico
Well No. 18 Sec. 18 T. 29N R. 16W Meridian N.M.P.M. County San Juan
Location 1980 ft. SS of N Line and 1980 ft. E of W Line of Section 18 Elevation 5176
(Derrick floor relative to sea level)

ORIGINAL SIGNED BY ()

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 February 1, 1954 Signed _____ Title Field Superintendent

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

Commenced drilling November 17, 1957 Finished drilling December 5, 1957

OIL OR GAS SANDS OR ZONES

OIL OR GAS SANDS OR ZONES

(Densities given by G)

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

CASING RECORD

Casing Record							Perforated		Purpose
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From	To	
7 in.	20	8	CY2	161	None	Surface			Surface
3 1/2 in.	9.5	8	CY2	161	None	Oil			Oil
Please note that the above string of 161' includes 57' of 4" 11 pound line pipe run on top.									
HISTORY OF OIL OK CY2 WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	66'	25 sacks B. J. Service No. 1 Plug			
3-1/2"	840'	160 sacks B. J. Service No. 1 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

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

DATES

DATES

USG Section 18 Well No. 18 Was		DATES	
Plugged & Abandoned	-----, 19-----	Put to producing	-----, 19-----
January 28, 1918		barrels of fluid of which ----- % was oil;	----- %
The production for the first 24 hours was		Gravity, °Bé.	-----
emulsion; ----- % water; and ----- % sediment.		Gallons gasoline per 1,000 cu. ft. of gas	-----
If gas well, cu. ft. per 24 hours	-----		
Rock pressure, lbs. per sq. in.	-----		

EMPLOYEES

EMPLOYEES	
-----, Driller	-----, Driller
-----, Driller	Leonard Hittshew , Driller

FORMATION RECORD

FORMATION			FORMATION
FROM—	TO—	TOTAL FEET	
0	740	740	Surface sands & shales.
740	859	119	Dakota sand & shale.
FROM	TO	TOTAL FEET	(OVER)