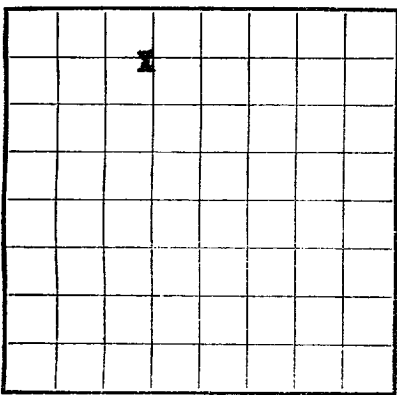
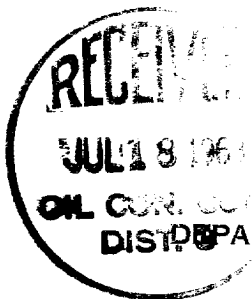




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-74
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico
Lessor or Tract Naton Field Wildcat State New Mexico
Well No. 1 Sec. 7 T. 31N R. 19W Meridian N.M.P.M. County San Juan
Location 830 ft. N. of 1 Line and 1980 ft. E. of W. Line of Section 7 Elevation 5002
(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 July 12, 1963Title Petroleum Engineer

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

Commenced drilling May 2, 1963 Finished drilling June 4, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None 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. 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>13-3/8"</u>	<u>36#</u>	<u>SRT</u>	<u>J-55</u>	<u>4240</u>	<u>Guide</u>	<u>5350'</u>			<u>Intermediate</u>
<u>8-5/8"</u>	<u>36#</u>	<u>SRT</u>	<u>J-55</u>	<u>6622</u>	<u>Guide</u>	<u>5350'</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>13-3/8"</u>	<u>243</u>	<u>250</u>	<u>Howco 1 Plug</u>		
<u>8-5/8"</u>	<u>1251</u>	<u>205</u>	<u>Howco 2 Plug</u>		
<u>4-1/2"</u>	<u>6600</u>	<u>200</u>	<u>Howco 2 Plug</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 0 feet to 7400 feet, and from feet to feet

DATES

Well Plugged and abandoned Put to producing , 19
June 30 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 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Robert Hartzenebeler, Driller Gene Sanford, Driller
Clair Wilson, Driller Lee Taylor, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>4251</u>	<u>4251</u>	<u>8-5/8" casing seat</u>
<u>4251</u>	<u>4640</u>	<u>389</u>	<u>Triassic Sands and Shales</u>
<u>4640</u>	<u>5234</u>	<u>594</u>	<u>Cutler</u>
<u>5234</u>	<u>6032</u>	<u>798</u>	<u>Hermosa</u>
<u>6032</u>	<u>6124</u>	<u>92</u>	<u>Upper Imay</u>
<u>6124</u>	<u>6165</u>	<u>41</u>	<u>Lower Imay</u>
<u>6165</u>	<u>6348</u>	<u>183</u>	<u>Desert Creek</u>
<u>6348</u>	<u>6478</u>	<u>130</u>	<u>Almah</u>
<u>6478</u>	<u>6682</u>	<u>204</u>	<u>Barker Creek</u>
<u>6682</u>	<u>6999</u>	<u>317</u>	<u>Lower Hermosa Limestones and Shales</u>
<u>6999</u>	<u>7078</u>	<u>79</u>	<u>Molas Shales</u>
<u>7078</u>	<u>7348</u>	<u>270</u>	<u>Mississippian, Karst Limestones</u>
<u>7348</u>	<u>7400</u>	<u>52</u>	<u>Devonian, Ouray</u>

(OVER)

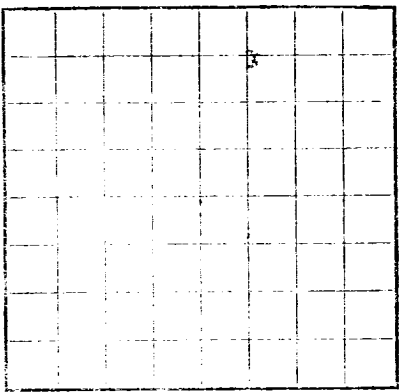
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10-48084-3

LOG OF OIL OR GAS WELL

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U.S. LAND OFFICE
SERIAL NUMBER 14-2-100
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

Company, _____
Lessor or Trust, _____
Well No. _____
Location, _____
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 _____
The summary on this page is for the condition of the well at above date.

Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Devote space by G.)
No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing _____
Weight per foot _____
Threads per inch _____
Amount _____
Kind of shoe _____
Cut and pulled from _____
Perforated _____
Purpose _____
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 added or removed, 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.

HISTORY OF OIL OR GAS WELL

1-25 _____
2-25 _____
3-25 _____
4-25 _____
5-25 _____
6-25 _____
7-25 _____
8-25 _____
9-25 _____
10-25 _____
11-25 _____
12-25 _____
1-26 _____
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3-26 _____
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12-26 _____
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12-28 _____
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7-29 _____
8-29 _____
9-29 _____
10-29 _____
11-29 _____
12-29 _____
1-30 _____
2-30 _____
3-30 _____
4-30 _____
5-30 _____
6-30 _____
7-30 _____
8-30 _____
9-30 _____
10-30 _____
11-30 _____
12-30 _____

MUDDING AND CEMENTING RECORD

Size casing _____
Weight per foot _____
Threads per inch _____
Number sacks of cement _____
Method used _____
Mud gravity _____
Amount of mud used _____

PLUGS AND ADAPTERS

Heaving plug—Material _____
Adapter—Material _____
Length _____
Size _____
Depth set _____

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

Put to producing _____
The production for the first 24 hours was _____
emulsion; _____% water; and _____% sediment.
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Bé. _____
% was oil; _____%

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	100	100	2-25" casing, cement
100	150	150	2-25" casing, cement
150	200	200	2-25" casing, cement
200	250	250	2-25" casing, cement
250	300	300	2-25" casing, cement
300	350	350	2-25" casing, cement
350	400	400	2-25" casing, cement
400	450	450	2-25" casing, cement
450	500	500	2-25" casing, cement
500	550	550	2-25" casing, cement
550	600	600	2-25" casing, cement
600	650	650	2-25" casing, cement
650	700	700	2-25" casing, cement
700	750	750	2-25" casing, cement
750	800	800	2-25" casing, cement
800	850	850	2-25" casing, cement
850	900	900	2-25" casing, cement
900	950	950	2-25" casing, cement
950	1000	1000	2-25" casing, cement