

[illegible]

LOCATE WELL CORRECTLY

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SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico
Lessor or Tract E. H. Pipkin Field Basin Dakota State New Mexico
Well No. 12 Sec. 12 T. 27N R. 11W Meridian N.M.P.M. County San Juan
Location 125 ft. South of N Line and 140 ft. West of E Line of Section 12 Elevation 5892' (ADB)
(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 May 26, 1961 Title Senior Petroleum Engineer
The summary on this page is for the condition of the well at above date.
Commenced drilling Apr 21 61 Finished drilling May 10 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6231 to 6239 No. 4, from _____ to _____
 No. 2, from 6232 to 6236 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

Shoe casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-1/8"	20	8VT	1-58	351	Guide				Surface
4-1/2"	9.5	8RT	3-55	6970	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"	341'	200 sacks of cement	Halliburton	1 Plug.	
4-1/2"	634.8'	525 sacks of cement	Halliburton	2 Stages.	

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 6356 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Completed as Basin Dakota Field Gas Well _____ DATES _____
 _____ Put to producing _____ Start in for pipeline connection _____
 May 24, 1961 _____ May 24, 1961 _____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

Preliminary test _____ If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure lbs. per sq. in. _____ 2036
 Potential test will be filed on Sundry Notice when available. EMPLOYEES

Charles Lockhart

R. C. Cary

John D. Rose

J. C. Sinkley

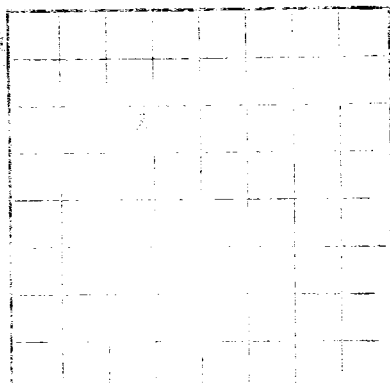
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1677	1677	Undifferentiated surface sands, shales and coals.
1677	1888	211	Pictured Cliffs sands and shales.
1888	2604	716	Lewis shale.
2604	4380	1776	Mesa Verde sands, shales, coals.
4380	5230	850	Mancos shale.
5230	5640	410	Gallup sands and shales.
5640	6040	400	Sanastee sands and shales.
6040	6155	115	Greenhorn sand.
6155	6356	201	Dakota sands and shales.

~~(Tape from E-log)~~

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Company name and address
State
County
Location
Date of completion
Name of operator
Name of engineer
Name of geologist

Completed and tested...
Cemented...
Produced...
Total depth...
Casing...
Drilling...
Mud...
Tools...
Formation...
Employees...
Dates...
Tools used...
Shooting record...
Plugs and adapters...
Mudding and cementing record

HISTORY OF OIL OR GAS WELL

FROM—		TO—		TOTAL FEET		FORMATION	
0		10		10		SAND	
10		20		20		SAND	
20		30		30		SAND	
30		40		40		SAND	
40		50		50		SAND	
50		60		60		SAND	
60		70		70		SAND	
70		80		80		SAND	
80		90		90		SAND	
90		100		100		SAND	
100		110		110		SAND	
110		120		120		SAND	
120		130		130		SAND	
130		140		140		SAND	
140		150		150		SAND	
150		160		160		SAND	
160		170		170		SAND	
170		180		180		SAND	
180		190		190		SAND	
190		200		200		SAND	
200		210		210		SAND	
210		220		220		SAND	
220		230		230		SAND	
230		240		240		SAND	
240		250		250		SAND	
250		260		260		SAND	
260		270		270		SAND	
270		280		280		SAND	
280		290		290		SAND	
290		300		300		SAND	
300		310		310		SAND	
310		320		320		SAND	
320		330		330		SAND	
330		340		340		SAND	
340		350		350		SAND	
350		360		360		SAND	
360		370		370		SAND	
370		380		380		SAND	
380		390		390		SAND	
390		400		400		SAND	
400		410		410		SAND	
410		420		420		SAND	
420		430		430		SAND	
430		440		440		SAND	
440		450		450		SAND	
450		460		460		SAND	
460		470		470		SAND	
470		480		480		SAND	
480		490		490		SAND	
490		500		500		SAND	
500		510		510		SAND	
510		520		520		SAND	
520		530		530		SAND	
530		540		540		SAND	
540		550		550		SAND	
550		560		560		SAND	
560		570		570		SAND	
570		580		580		SAND	
580		590		590		SAND	
590		600		600		SAND	
600		610		610		SAND	
610		620		620		SAND	
620		630		630		SAND	
630		640		640		SAND	
640		650		650		SAND	
650		660		660		SAND	
660		670		670		SAND	
670		680		680		SAND	
680		690		690		SAND	
690		700		700		SAND	
700		710		710		SAND	
710		720		720		SAND	
720		730		730		SAND	
730		740		740		SAND	
740		750		750		SAND	
750		760		760		SAND	
760		770		770		SAND	
770		780		780		SAND	
780		790		790		SAND	
790		800		800		SAND	
800		810		810		SAND	
810		820		820		SAND	
820		830		830		SAND	
830		840		840		SAND	
840		850		850		SAND	
850		860		860		SAND	
860		870		870		SAND	
870		880		880		SAND	
880		890		890		SAND	
890		900		900		SAND	
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980		990		990		SAND	
990		1000		1000		SAND	