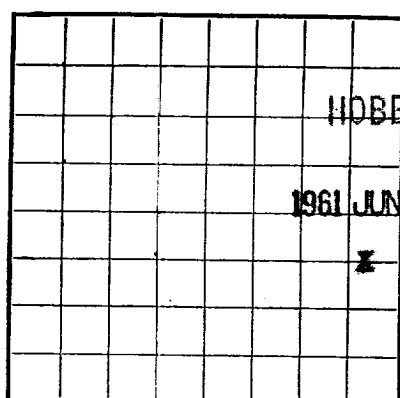


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **18 060945**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

HOBBS OFFICE OCC

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Company Address Box 1038, Denver City, Texas
Lessor or Tract Carlson Federal "A" Field Justin (Blinberry) State New Mexico
Well No. 1 Sec. 23 T 25-S R 37-E Meridian NMP County Lea
Location 1980 ft. [N.] of [S.] Line and 330 ft. [E.] of [W.] Line of Section 23 Elevation 3090 ft.
(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 [Signature] H. A. CarrDate June 28, 1961Title District Superintendent

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

Commenced drilling April 19, 1961 Finished drilling May 12, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5336 to 5466 Blinberry 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 none 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—	
7 & 7-5/8	23.8	8	Hydram	5266.97			5336	5466	Oil string
2	4.6	Hydram							Logging

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	904.82	290	Pump		
7 & 7-5/8	6017.70	1000	Pump		

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

Put to producing June 19, 1961
The production for the first 24 hours was 112 barrels of fluid of which 50 % was oil; _____ %
emulsion; 50 % water; and _____ % sediment. Gravity, °Bé. 37.6
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. W. Cook, Driller A. W. Willford, Driller
Cliff B. Byrnes, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	660	660	Redbed
660	3064	2404	Anhy.
3064	3235	171	Anhy & Lime
3235	6050	2815	Lime
			Formation Tops
			Kates 2258
			Queen 2946
			San Andres 3530
			Glorietta 4650
			Blinberry 5024
			Tubb 5717
			Brinkard 5902

FORMATION RECORD—Continued

16-43004-4

AT THE END OF COMPLETE DRILLER'S
LOG, ADD GEOLOGIC TOPS. STATE
WHETHER IN FEET OR SAMPLES.

000 20770 31004

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

Signed _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 Location Sec. 22, T. 20 N., R. 10 E. of W. 1/2 of Line of Section 22
 Well No. 1
 Lessor or Tract Owner's Name
 Address Box 100, Lawrence, Kansas
 Field Notes (optional) State Kansas County Lawrence
 (Don't fill out relative to sea level) Elevation 500

Commenced drilling _____ 19____
The summary on this page is for the condition of the well at above date.
Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(Derote das py G)

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

IMPORTANT WATER SANDS

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

CASING RECORD

Case	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and drilled from	Perforated From— To—	Purpose
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of casing, stringer, and cement casing was laid, and the casing was checked for leaks and found satisfactory. 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~~

U. S. GOVERNMENT PRINTING OFFICE

RECORD AND CEMENTING RECORD

Size casting	Where set	Number casts of cement	Method used	Mud gravity	Amount of mud used
1 1/2"	10'	10	10'		
2"	10'	10	10'		
2 1/2"	10'	10	10'		
3"	10'	10	10'		
3 1/2"	10'	10	10'		
4"	10'	10	10'		
4 1/2"	10'	10	10'		
5"	10'	10	10'		
5 1/2"	10'	10	10'		
6"	10'	10	10'		
6 1/2"	10'	10	10'		
7"	10'	10	10'		
7 1/2"	10'	10	10'		
8"	10'	10	10'		
8 1/2"	10'	10	10'		
9"	10'	10	10'		
9 1/2"	10'	10	10'		
10"	10'	10	10'		
10 1/2"	10'	10	10'		
11"	10'	10	10'		
11 1/2"	10'	10	10'		
12"	10'	10	10'		
12 1/2"	10'	10	10'		
13"	10'	10	10'		
13 1/2"	10'	10	10'		
14"	10'	10	10'		
14 1/2"	10'	10	10'		
15"	10'	10	10'		
15 1/2"	10'	10	10'		
16"	10'	10	10'		
16 1/2"	10'	10	10'		
17"	10'	10	10'		
17 1/2"	10'	10	10'		
18"	10'	10	10'		
18 1/2"	10'	10	10'		
19"	10'	10	10'		
19 1/2"	10'	10	10'		
20"	10'	10	10'		
20 1/2"	10'	10	10'		
21"	10'	10	10'		
21 1/2"	10'	10	10'		
22"	10'	10	10'		
22 1/2"	10'	10	10'		
23"	10'	10	10'		
23 1/2"	10'	10	10'		
24"	10'	10	10'		
24 1/2"	10'	10	10'		
25"	10'	10	10'		
25 1/2"	10'	10	10'		
26"	10'	10	10'		
26 1/2"	10'	10	10'		
27"	10'	10	10'		
27 1/2"	10'	10	10'		
28"	10'	10	10'		
28 1/2"	10'	10	10'		
29"	10'	10	10'		
29 1/2"	10'	10	10'		
30"	10'	10	10'		
30 1/2"	10'	10	10'		
31"	10'	10	10'		
31 1/2"	10'	10	10'		
32"	10'	10	10'		
32 1/2"	10'	10	10'		
33"	10'	10	10'		
33 1/2"	10'	10	10'		
34"	10'	10	10'		
34 1/2"	10'	10	10'		
35"	10'	10	10'		
35 1/2"	10'	10	10'		
36"	10'	10	10'		
36 1/2"	10'	10	10'		
37"	10'	10	10'		
37 1/2"	10'	10	10'		
38"	10'	10	10'		
38 1/2"	10'	10	10'		
39"	10'	10	10'		
39 1/2"	10'	10	10'		
40"	10'	10	10'		
40 1/2"	10'	10	10'		
41					

SHOOTING RECORD

[illegible]

TOOLS USED

test	of test	test and from	test to	test were used from
test	of test	test and from	test to	test were used from

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/78	10/1/78	100.00	100	100	100
10/2/78	10/2/78	100.00	100	100	100
10/3/78	10/3/78	100.00	100	100	100
10/4/78	10/4/78	100.00	100	100	100
10/5/78	10/5/78	100.00	100	100	100
10/6/78	10/6/78	100.00	100	100	100
10/7/78	10/7/78	100.00	100	100	100
10/8/78	10/8/78	100.00	100	100	100
10/9/78	10/9/78	100.00	100	100	100
10/10/78	10/10/78	100.00	100	100	100
10/11/78	10/11/78	100.00	100	100	100
10/12/78	10/12/78	100.00	100	100	100
10/13/78	10/13/78	100.00	100	100	100
10/14/78	10/14/78	100.00	100	100	100
10/15/78	10/15/78	100.00	100	100	100
10/16/78	10/16/78	100.00	100	100	100
10/17/78	10/17/78	100.00	100	100	100
10/18/78	10/18/78	100.00	100	100	100
10/19/78	10/19/78	100.00	100	100	100
10/20/78	10/20/78	100.00	100	100	100
10/21/78	10/21/78	100.00	100	100	100
10/22/78	10/22/78	100.00	100	100	100
10/23/78	10/23/78	100.00	100	100	100
10/24/78	10/24/78	100.00	100	100	100
10/25/78	10/25/78	100.00	100	100	100
10/26/78	10/26/78	100.00	100	100	100
10/27/78	10/27/78	100.00	100	100	100
10/28/78	10/28/78	100.00	100	100	100
10/29/78	10/29/78	100.00	100	100	100
10/30/78	10/30/78	100.00	100	100	100
10/31/78	10/31/78	100.00	100	100	100
11/1/78	11/1/78	100.00	100	100	100
11/2/78	11/2/78	100.00	100	100	100
11/3/78	11/3/78	100.00	100	100	100
11/4/78	11/4/78	100.00	100	100	100
11/5/78	11/5/78	100.00	100	100	100
11/6/78	11/6/78	100.00	100	100	100
11/7/78	11/7/78	100.00	100	100	100
11/8/78	11/8/78	100.00	100	100	100
11/9/78	11/9/78	100.00	100	100	100
11/10/78	11/10/78	100.00	100	100	100
11/11/78	11/11/78	100.00	100	100	100
11/12/78	11/12/78	100.00	100	100	100
11/13/78	11/13/78	100.00	100	100	100
11/14/78	11/14/78	100.00	100	100	100
11/15/78	11/15/78	100.00	100	100	100
11/16/78	11/16/78	100.00	100	100	100
11/17/78	11/17/78	100.00	100	100	100
11/18/78	11/18/78	100.00	100	100	100
11/19/78	11/19/78	100.00	100	100	100
11/20/78	11/20/78	100.00	100	100	100
11/21/78	11/21/78	100.00	100	100	100
11/22/78	11/22/78	100.00	100	100	100
11/23/78	11/23/78	100.00	100	100	100
11/24/78	11/24/78	100.00	100	100	100</

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

EMPLOYEES

Driller	100	100
Driller	100	100

FORMATION RECORD

[illegible]