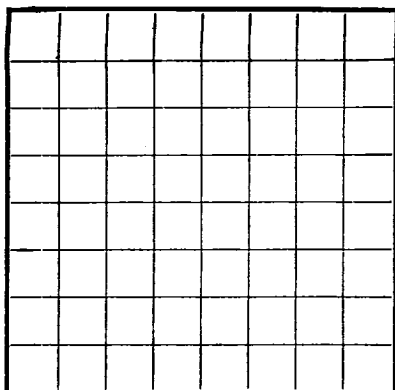


Las Cruces
U. S. LAND OFFICE
SERIAL NUMBER 029388-A
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Hudson & Hudson, Inc. Address 1810 Electric Building
Fort Worth, Texas
Lessor or Tract Shugart "A" Field North Shugart State New Mexico
Well No. 4 Sec. 10 T. 18S R. 31E Meridian NMPM County Eddy
Location 1980 ft. N Line and 660 ft. E Line of Sec. 10 Elevation 3740
(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 October 11th, 1957Title Secretary-Treasurer

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

Commenced drilling Sept. 22, 19 57 Finished drilling October 8th, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3435 to 3446 No. 4, from 3966 to 3976
No. 2, from 3543 to 3566 No. 5, from 4004-4018 to
No. 3, from 3946 to 3956 No. 6, from 3326 to 3348

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—	
8 5/8 24	8	8		770.27					
5 1/2 18.50	8	8		4033.23					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	785	200	Halliburton		
5 1/2	4033	1200	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Baker Bridging Plug in 5 1/2" casing 3390
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 4038 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing October 9th, 19 57

The production for the first 24 hours was 345.60 barrels of fluid of which 100% was oil; 0%
emulsion; 0% water; and 0% 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

Henry Easton, Driller G. W. Jones, Driller
Ray E. Shields, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	225	225	Red Bed
225	560	335	Red Bed & Shells
560	750	190	Red Bed
750	785	35	Red Bed & Anhydrite
785	790	5	Anhydrite
790	903	113	Anhydrite
903	2073	1170	Anhydrite & Salt
2073	3092	1019	Anhydrite
3092	3151	59	Anhydrite & Lime
3151	3311	160	Anhydrite
3311	3360	49	Anhydrite & Lime
3360	3430	70	Sand & Lime
3430	3811	381	Lime
3811	3880	69	Anhydrite & Lime
3880	4038	158	Lime
Top of the Anhydrite 751			
Base of the Salt 2072			
Top of the Yates 2145			
Top of the Queen 3314			

LEON

JO

LOUT FEEB

(OVER)

LOUT FEEB

16-43094-4

FORMATION RECORD—Continued

• 6% = 24% Z. der Bevölkerung in der
 1970-1980-Periode

11-2 Lamp Office

RECEIVED BY THE DIRECTOR OF THE BUREAU OF THE ARMY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

The information given here is for a complete and correct record of the well and all work done thereon so far as can be determined from all reliable records.

Signed _____

of _____ and _____ of _____

Well No. _____ Section _____ Township _____

Lesson or Three _____ Field _____ State _____

Company _____

[illegible]

OFFICE OF THE SECRETARY OF DEFENSE

(Continued)

No. 1 of	No. 2 of
No. 3 of	No. 4 of
No. 5 of	No. 6 of

1/2011 from 1.0% to 1.6%
1/2012 from 1.6% to 2.0%

[illegible]

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 "side tracked" 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

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

[illegible]