

HOBBBS

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **065607**

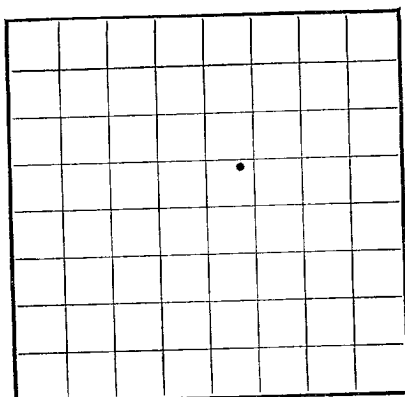
HOBBBS OFFICE OCC

LEASE OR PERMIT TO PROSPECT

UNITED STATES
1960 FEB 23 AM 11:24
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

FEB 17 1960

U. S. GEOLOGICAL SURVEY
HOBBBS, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **William A. & Edward R. Hudson** Address **1810 Electric Building Fort Worth, Texas**
Lessor or Tract **Matlock** Field **Wildcat** State **New Mexico**
Well No. **4** Sec. **4** T **20S** R. **34E** Meridian **NMPM** County **Lea**
Location **1650** ft. **N** Line and **1980** ft. **E** Line of **Sec 4** Elevation **3647**
(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 *Edward R. Hudson*

Date **February 16th, 1960** Title **Joint Operator**

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

Commenced drilling **January 7th**, 19**60** Finished drilling **February 7th**, 19**60**

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 **250** to **260** No. 3, from **3746** to _____
No. 2, from **895** to **925** No. 4, from **3781** **sulphur water**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8				185		All			
10				635		All			
8 5/8				1200		All			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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 **3781** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to produce **Plugged and abandoned** 19____

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

Lex Henderson _____, Driller **A. R. Sprawls** _____, Driller
R. M. Jones _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
0	6	6	Cellar	Top Anhydrite 1535
6	60	54	Sand	Top Salt 1665
60	67	7	Red Rock	Base of Salt 3145
67	280	213	Red Shale	Top of Yates 3365
280	290	10	Sand	
290	370	80	blue sandy shale	
370	697	327	Red Shale	
697	700	3	Sandy red shale	
700	765	65	Hard Sand	
765	865	100	Sandy Shale	
865	885	20	Red Shale	
885	895	10	Sandy Red Shale	
895	950	55	Water Sand	
950	1020	70	Red Sandy Shale	
1020	1030	10	Red Shale	
1030	1115	85	Sandy Red Shale	
1115	1225	110	Red Shale	
1225	1235	10	Red rock	
1235	1280	45	Hard Sand	
1280	1330	50	Red Rock, Sandy	
1330	1530	200	Red Sandy Shale	
1530	1540	10	Red Shale	
1540	1621	81	Anhydrite	
1621	1635	14	Blue Shale	

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1635	1685	50	Anhydrite
1685	1765	80	Anhydrite & Salt
1765	1785	20	Anhydrite
1785	1950	165	Red shale & Salt
1950	2000	50	Salt, shale & Poly
2000	2010	10	Salt, Red shale
2010	2075	65	Anhydrite
2075	2123	48	Salt & shale
2123	2135	12	Salt & Poly
2135	2190	55	Anhydrite
2190	2245	55	Salt - shale
2245	2430	185	Salt & Poly
2430	2555	125	Salt - Poly & Shale
2555	2620	65	Salt - Poly
2620	2680	60	Salt & Shale
2680	2702	22	Salt & Poly
2702	2735	33	Blue Mud
2735	2845	110	Salt - Red shale
2845	2910	65	Salt, Anhydrite & Poly
2910	2955	45	Salt-Poly
2955	3015	60	Anhydrite & Salt
3015	3065	50	Salt, Anhydrite & Shale
3065	3136	71	Salt, Anhydrite & Poly
3136	3155	19	Salt
3155	3220	65	Anhydrite
3220	3250	30	Broken Anhydrite & Shale
3250	3285	35	Anhydrite & Lime
3285	3350	65	Anhydrite
3350	3395	45	Anhydrite & Lime
3395	3460	65	Anhydrite & Shale
3460	3495	35	Red shale & Anhydrite
3495	3545	50	Anhydrite & Shale
3545	3575	30	Anhydrite - Lime
3575	3605	30	Anhydrite
3605	3620	15	Lime
3620	3650	30	Lime - Anhydrite
3650	3663	13	Lime & Sand
3663	3678	15	Lime & Sand
3678	3758	80	Lime, Sand & Water

HISTORY OF OIL OR GAS WELL

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 "sidetracked" 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.