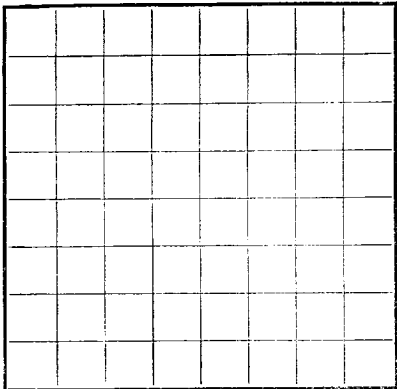


U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **05218**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company **William A. & Edward R. Hudson** Address **1310 Electric Building Fort Worth, Texas**
Lessor or Tract **Signal-Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **33** T. **23** R. **42** Meridian **NMPM** County **Lea**
Location **330 ft. N. of** Line and **2310 ft. E. of** Line of **Sec. 33** Elevation **3657 DF**
(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 **November 30, 1959** Title **Partner**

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

Commenced drilling **October 14, 1959** Finished drilling **November 17, 1959**
Plugged and abandoned

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **N O N E** to **60** 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 **280** to **290** No. 3, from _____ to _____
No. 2, from **3395** to **3495 (Sulphur)** 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—	
13 3/8				61		A11			
10 3/4				625		A11			
8 5/8				1202		A11			

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 _____ feet to **3595** feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing _____ 19 _____
Plugged and abandoned

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

A. . . Sprawls, Driller **H. Rickman**, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	63	58	Sand
63	230	167	Red Shale
230	290	60	Sandy Gray Shale
290	720	430	Red Shale
720	955	235	Red Sandy Shale
955	985	30	Red Shale & Rock
985	1045	60	Red Shale
1045	1075	30	Sandy Shale
1075	1095	20	Red Sandy Shale
1095	1105	10	Hard Sand
1105	1155	50	Red Shale
1155	1180	25	Red Rock & Shale
1180	1210	30	Red Shale
1210	1245	35	Red Rock & Sand
1245	1410	165	Red Rock
1410	1495	85	Red Sandy Shale
1495	1548	53	Red Shale
1548	1585	37	Anhydrite
1585	1595	10	Salt & Red Rock
1595	1680	85	Anhydrite
1680	1760	80	Anhydrite & Salt
1760	1785	25	Anhydrite
1785	1840	55	Salt & Red Shale
1840	1895	55	Salt, Shale & Poly

(OVER)

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1895	1950	55	Salt
1950	2015	65	Salt & Shale
2015	2022	7	Salt
2022	2035	13	Anhydrite
2035	2140	105	Salt & Poly
2140	2150	10	Anhydrite & Poly
2150	2215	65	Salt & Poly
2215	2650	435	Salt
2650	2727	77	Salt & Poly
2727	2735	8	Blue Mud
2735	2825	90	Salt
2825	2980	155	Salt & Poly
2980	3015	35	Salt
3015	3045	30	Anhydrite
3045	3050	5	Salt & Anhydrite
3050	3100	50	Salt
3100	3140	40	Salt & Poly
3140	3235	95	Salt
3235	3250	15	Salt & Poly
3250	3260	10	Anhydrite & Salt
3260	3270	10	Anhydrite
3270	3330	60	Anhydrite & Lime
3330	3335	5	Red Shale
3335	3545	210	Anhydrite, Lime & Red Shale
3545	3630	85	Anhydrite & Red Shale
3630	3675	45	Anhydrite, Lime & Red Shale
3675	3705	30	Anhydrite & Lime
3705	3750	45	Anhydrite, Lime & Shale
3750	3765	15	Lime & Red Rock
3765	3899	134	Lime

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.