N. M. O. C. C. COPY

udget Bureau No. 42-R355.4.
pproval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 064790
LEASE OR PERMIT TO PROSPECT NM-077003

RECEIVED
MAY 30 1960
O. C. C.
ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Federal "18" Field Wildcat State New Mexico

Well No. 1 Sec. 18 T. 19S R. 33E Meridian NMPM County Lea

Location 2180 ft. {N./S.} of N Line and 689.7 ft. {E./W.} of W Line of Sec. 18 Elevation 3636DF (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 [redacted]

Title Joint Operator

Date May 24th, 1960

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

Commenced drilling April 13th, 1960, 19__ Finished drilling May 20th, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3270 to 3278 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 642 to 652 No. 3, from ____ to ____

No. 2, from 660 to 670 No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13 3/8				65		65			
10 3/4				484		484			
8 5/8				1078					
5 1/2	13#			3280			3259	3263	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	1078	~~100~~ 50			
5 1/2	3280	100			

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 3220 feet to 3280 feet, and from ____ feet to ____ feet

Cable tools were used from 0 feet to 3220 feet, and from ____ feet to ____ feet

DATES

____, 19__ Put to producing May 23rd, 19 60

The production for the first 24 hours was 1 1/2 x barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. 40

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

L. J. Henderson, Driller J. L. Benton, Driller

R. M. Jones, Driller Fred Schwettman

A. R. Sprawls R. L. Howie

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	65	60	Red Shale
65	95	30	Sand & Sandy Shale
95	390	295	Red Shale
390	410	20	Blue Shale
410	420	10	Sand
420	430	10	Blue Shale
430	490	60	Red Shale
490	520	30	Red Rock & Hard Sand
520	605	85	Red Sandy Shale
605	642	37	Red Shale-
642	652	10	Water Sand
652	660	8	Sandy Shale
660	670	10	Water Sand
670	685	15	Hard Sand & Red Shale
685	695	10	Sandy Red Shale
695	710	15	Red Shale
710	740	30	Sandy, Red Shale
740	750	10	Red Shale
750	775	25	Sandy, Red Shale
775	930	155	Red Shale
930	940	10	Sandy, Red Shale
940	965	25	Red Shale
965	980	15	Sand, Hard
980	1085	105	Top Anhydrite 1305 Top Salt 1435 Base of Salt 2763 Top Yates 3185 Seven Rivers 3220

[OVER]

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FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1085	1135	50	Sandy, Red shale
1135	1180	45	Red Rock & Shale
1180	1235	55	Sandy Red Shale
1235	1290	55	Red Shale & Sandy Shale
1290	1295	5	Red Shale
1295	1325	30	Anhydrite
1325	1335	10	Salt & Red Shale
1335	1365	30	Anhydrite
1365	1379	14	Broken Anhydrite & Shale
1379	1425	46	Anhydrite
1425	1440	15	Anhydrite & Salt
1440	1478	38	Salt
1478	1507	29	Anhydrite
1507	1515	8	Red Shale
1515	1540	25	Anhydrite
1540	1605	65	Shale & Anhydrite Shells
1605	1670	65	Salt & Red Shale
1670	1730	60	Salt & Shale
1730	1785	55	Salt & Anhydrite
1785	1840	55	Salt & Shale-
1840	2380	540	Salt & Poly
2380	2440	60	Salt
2440	2480	40	Salt & Poly
2480	2490	10	Salt & Shells
2490	2566	76	Salt & Poly
2566	2585	19	Anhydrite
2585	2635	50	Salt & Anhydrite
2635	2745	110	Salt & Poly
2745	2775	30	Anhydrite & Lime
2775	2815	40	Broken Anhydrite & Shale
2815	2855	40	Anhydrite & Shale
2855	2890	35	Anhydrite, Broken
2890	2985	95	Anhydrite
2985	2995	10	Anhydrite & Red Shale
2995	3110	115	Anhydrite & Shale
3110	3120	10	Lime
3120	3150	30	Lime & Anhydrite
3150	3170	20	Lime
3170	3178	8	Sand
3178	3200	22	Sandy Lime-
3200	3215	15	Sand & Lime
3215	3220	5	Sandy Lime
3220	3270	50	Lime
3270	3278	8	Sand
3278	3280 TD	2	Lime

HISTORY OF OIL OR GAS WELL

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

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.