

U. S. LAND OFFICE Artesia, N. M.SERIAL NUMBER LC-030175

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Humble Oil & Refg. Co.Box 2100, Houston, TexasCompany Federal Leonard Address Dublin Wildcat New MexicoLessor or Tract 12-26-37-2 Field Lea State LeaWell No. 660 Sec. 12 T. R. 660 Meridian Sec. 12 CountyLocation ft. {N.} of Line and ft. {E.} of Line of Elevation
(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]Date 11-23-44 Title Asst. Div. Supt.The summary on this page is for the condition of the well at above date. 10-9-44Commenced drilling 7-21, 1943 Finished drilling 11-20-44OIL OR GAS SANDS OR ZONES Other work completed 11-20-44

1900 Anhydrite Denote gas by G) 9240 Downian
No. 1, from 8020-Permian to 9850-Silurian
No. 2, from 8670-Miss. to 10264-Montoya
No. 3, from 9230-Silurian to 10720-Simpson
11,450, Ellenburger

IMPORTANT WATER SANDS

No. 1, from 11,969-Bottom to Water
No. 2, from 11,969-Bottom to Water
No. 3, from 11,969-Bottom to Water
No. 4, from 11,969-Bottom to 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	54	8-R	Mat'l	466.61					
9 5/8	36.40	8-R	Mat'l	3008.64					
5 1/2	17.23	8-R	Mat'l	11927.50			11,969	11,969	Oil Zone

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	483.28	400-Lane Star	Hall		
9 5/8	3020.67	2040 Lane & Insar	Hall		
5 1/2	11,969.00	810 Infanok Star Car Hall	Hall		

PLUGS AND ADAPTERS

Heaving plug—Material None Length — Depth set —
Adapters—Material None Size —

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>None</u>				

TOOLS USED

Rotary tools were used from 0 feet to 11,969 feet, and from — feet to — feet
Cable tools were used from — feet to — feet, and from — feet to — feet

DATES

See Extra Sheet, 1943 Put to producing —, 1944
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

J. F. Hall, Driller S. J. Brown, Driller
T. A. Hall, Driller —, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	38		Surface
38	195		Gravel & Sand
195	280		Red Bed
280	381		Red Bed & Shells
381	432		Red Bed & Hard Sand
432	519		Red Rock
519	593		Red Bed & Shells
593	704		Red Bed
704	832		Red Bed & Shells
832	914		Red Bed & Anhydrite
914	1154		Anhydrite & Salt
1154	1234		Red Bed & Anhydrite
1234	1284		Anhydrite & Red Bed
1284	1365		Anhydrite, Red Bed & Salt
1365	1465		Anhydrite Potash & Salt
1465	1561		Salt, Anhydrite, Potash (streaks)
1561	1641		Salt & Anhydrite
1641	1736		Anhydrite & Salt
1736	2098		Anhydrite
2098	2185		Salt & Anhydrite
2185	2254		Anhydrite, Gyp & Salt
2254	2450		Salt & Anhydrite
2450	2499		Gyp & Anhydrite
2499	2574		Line
2574	2642		Line & Anhydrite
2642	2688		Line, Anhydrite & Gyp

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2688	2744		Lime & Anhydrite
2744	2807		Gyp & Anhydrite
2807	2863		Gyp
2863	2911		Anhydrite
2911	2924		Gyp & Anhydrite
2924	2957		Anhydrite & Lime
2957	3027		Lime & Anhydrite
3027	3032		Anhydrite & Lime
3032	3041		Anhydrite
3041	3057		Lime
3057	3112		Lime & Anhydrite Broken
3112	3122		Lime
3122	3211		Lime & Gyp
3211	3259		Lime
3259	3273		Lime & Sand
3273	3286		Lime
3286	3308		Lime & Chert
3308	4017		Lime & Dolomite
4017	4040		Lime
4040	4180		Lime & Sand
4180	4183		Lime
4183	7862		Lime & Chert
7862	7870		Chert
7870	7880		Lime & Chert
7880	7917		Lime
7917	7961		Lime & Shale
7961	7974		Lime & Barite
7974	8024		Lime & Shale
8024	8077		Shale
8077	8087		Shale & Lime
8087	8124		Shale
8124	8128		Shale & Lime
8128	8148		Chert
8148	8171		Shale & Lime
8171	8178		Shale
8178	8183		Shale & Lime
8183	8207		Chert
8207	8209		Chert & Shale
8209	8231		Shale & Lime
8231	8292		Shale & Chert
8292	8376		Shale Chert & Lime
8376	8392		Chert & Shale
8392	8400		Chert
8400	8408		Chert & Shale
8408	8421		Lime & Shale
8421	8477		Shale & Lime
8477	8498		Shale & Chert
8498	8502		Shale Chert & Lime
8502	8514		Shale & Lime
8514	8524		Lime, Chert & Shale
8524	8530		Lime & Shale
8530	8617		Chert
8617	8625		Chert & Shale
8625	8631		Chert & Lime
8631	8671		Shale, Chert & Lime
8671	8678		Shale & Lime
8678	8703		Chert
8703	8707		Chert, Sand & Lime
8707	8710		Shale & Lime
8710	8726		Chert & Shale
8726	8729		Shale & Lime
8729	8750		Shale & Chert
8750	8765		

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 6-6745

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.

Note: Well was drilled to 11,969 total depth into water.

Cement plug back to 9397 and drilled to 11,969. Total Depth.

INFORMATION CONCERNING THE WELL

OIL OR GAS WELLS OR HOLES

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

NAME OF WELL OR PROSPECT
 LOCATION
 DATE OF LOGGING

