

U. S. LAND OFFICE Santa FeSERIAL NUMBER NM- 0241

LEASE OR PERMIT TO PROSPECT _____

MAIN OFFICE CCC

JUL 25 AM 10:13 UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

GEOLOGICAL SURVEY
U. S. DEPARTMENT OF THE INTERIOR

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company W. H. Black Address Box 174, Midland, Texas
Lessor or Tract Cities Service- Federal Field Cooper-Jal State New Mexico
Well No. 1 Sec. 35 T. 24S R. 36E Meridian NMPM County Lea
Location 660 ft. N. of S Line and 660 ft. EX of E Line of Sec. 35 Elevation 3250.7'
(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 ThelTitle AgentDate July 13, 1954

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

Commenced drilling June 3, 19 54 Finished drilling July 4, 19 54

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3018 to 3025 (G) 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 405 to 555 No. 3, from 3370' to 3405'
No. 2, from 3210' to 3224' 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	48	8		165	T.P.	165'			Conductor
10-3/4	32.75	8		728	T.P.	728'			Conductor
8-5/8	28	8		1240	T.P.				Inter. Casg.
7	20	8		3370	FI. & G.	2415'			Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1240	50 sacks on bottom;	50 sacks at	1165'	300 sacks at 732';
		150 sacks outside pipe.			
7"	20	150 Sacks - Pump plug.			

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 3413' feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was Dry 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

_____, Driller _____, Driller
_____, Driller CLOWER DRILLING COMPANY, CONTRACTOR

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Caliche
15	160	145	Sand
160	250	90	Red Shale
250	325	75	Blue Shale
325	405	80	Gray Sandy Shale
405	555	150	Sand & Blue Shale (4 Bbls. Water 1 Hr.)
555	760	205	Red Sandy Shale
760	1161	401	Red Rock and Shale
1161	1305	144	Anhydrite
1305	1405	100	Salt
1405	1430	25	Anhydrite
1430	1585	155	Anhydrite, Lime & Shale
1585	1650	65	Salt
1650	1800	150	Anhydrite and Salt
1800	2085	285	Salt & Potash
2085	2840	755	Salt & Anhydrite
2840	2975	235	Bracon Lime
2975	3025	50	Broken Sand & Lime
3025	3085	60	Hard Gray Lime
3085	3120	35	Gray Lime & Sand
3120	3210	90	Lime
3210	3224	14	Water Sand
3224	3370	144	Lime
3370	3405	35	Sand & Sulphur - (W.S.)
3405	3413	8	Lime (T.D.)

(OVER)

16-43094-2

State of Texas
County of Harris

W. H. Black
City of Houston

City of Houston
City of Houston

City of Houston
City of Houston

July 12, 1937

DRY HOLE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, logging, and the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "mud-packed" 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 pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing. Construction

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
3405	3405	0	Shale (C.D.)
3370	3405	35	Shale (C.D.)
3335	3405	70	Shale (C.D.)
3310	3405	95	Shale (C.D.)
3130	3405	275	Shale (C.D.)
3035	3405	380	Shale (C.D.)
3025	3405	390	Shale (C.D.)
3005	3405	410	Shale (C.D.)
2975	3405	430	Shale (C.D.)
2940	3405	465	Shale (C.D.)
2905	3405	500	Shale (C.D.)
2885	3405	525	Shale (C.D.)
2850	3405	560	Shale (C.D.)
2805	3405	605	Shale (C.D.)
2770	3405	635	Shale (C.D.)
2735	3405	670	Shale (C.D.)
2700	3405	705	Shale (C.D.)
2665	3405	740	Shale (C.D.)
2630	3405	775	Shale (C.D.)
2595	3405	810	Shale (C.D.)
2560	3405	845	Shale (C.D.)
2525	3405	880	Shale (C.D.)
2490	3405	915	Shale (C.D.)
2455	3405	950	Shale (C.D.)
2420	3405	985	Shale (C.D.)
2385	3405	1020	Shale (C.D.)
2350	3405	1055	Shale (C.D.)
2315	3405	1090	Shale (C.D.)
2280	3405	1125	Shale (C.D.)
2245	3405	1160	Shale (C.D.)
2210	3405	1195	Shale (C.D.)
2175	3405	1230	Shale (C.D.)
2140	3405	1265	Shale (C.D.)
2105	3405	1300	Shale (C.D.)
2070	3405	1335	Shale (C.D.)
2035	3405	1370	Shale (C.D.)
2000	3405	1405	Shale (C.D.)
1965	3405	1440	Shale (C.D.)
1930	3405	1475	Shale (C.D.)
1895	3405	1510	Shale (C.D.)
1860	3405	1545	Shale (C.D.)
1825	3405	1580	Shale (C.D.)
1790	3405	1615	Shale (C.D.)
1755	3405	1650	Shale (C.D.)
1720	3405	1685	Shale (C.D.)
1685	3405	1720	Shale (C.D.)
1650	3405	1755	Shale (C.D.)
1615	3405	1790	Shale (C.D.)
1580	3405	1825	Shale (C.D.)
1545	3405	1860	Shale (C.D.)
1510	3405	1895	Shale (C.D.)
1475	3405	1930	Shale (C.D.)
1440	3405	1965	Shale (C.D.)
1405	3405	2000	Shale (C.D.)
1370	3405	2035	Shale (C.D.)
1335	3405	2070	Shale (C.D.)
1300	3405	2105	Shale (C.D.)
1265	3405	2140	Shale (C.D.)
1230	3405	2175	Shale (C.D.)
1195	3405	2210	Shale (C.D.)
1160	3405	2245	Shale (C.D.)
1125	3405	2280	Shale (C.D.)
1090	3405	2315	Shale (C.D.)
1055	3405	2350	Shale (C.D.)
1020	3405	2385	Shale (C.D.)
985	3405	2420	Shale (C.D.)
950	3405	2455	Shale (C.D.)
915	3405	2490	Shale (C.D.)
880	3405	2525	Shale (C.D.)
845	3405	2560	Shale (C.D.)
810	3405	2595	Shale (C.D.)
775	3405	2630	Shale (C.D.)
740	3405	2665	Shale (C.D.)
705	3405	2700	Shale (C.D.)
670	3405	2735	Shale (C.D.)
635	3405	2770	Shale (C.D.)
600	3405	2805	Shale (C.D.)
565	3405	2840	Shale (C.D.)
530	3405	2875	Shale (C.D.)
495	3405	2910	Shale (C.D.)
460	3405	2945	Shale (C.D.)
425	3405	2980	Shale (C.D.)
390	3405	3015	Shale (C.D.)
355	3405	3050	Shale (C.D.)
320	3405	3085	Shale (C.D.)
285	3405	3120	Shale (C.D.)
250	3405	3155	Shale (C.D.)
215	3405	3190	Shale (C.D.)
180	3405	3225	Shale (C.D.)
145	3405	3260	Shale (C.D.)
110	3405	3295	Shale (C.D.)
75	3405	3330	Shale (C.D.)
40	3405	3365	Shale (C.D.)
5	3405	3400	Shale (C.D.)

FORMATION RECORD—Continued