

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 058186
LEASE OR PERMIT TO PROSPECT _____
Sam D. Young Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company O. H. Randel Address El Paso, Texas
Lessor or Tract _____ Field Loco Hills State New Mexico
Well No. 1 Sec. 22 T. 18 R. 30 Meridian NMPM County Eddy
Location 2310 ft. { N. } of S Line and 330 ft. { E. } of E Line of Section 22 Elevation 3450
(Denotes 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.

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Signed O. H. Randel

Date 7-8-40 Title Partner

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

Commenced drilling April 2, 19 40 Finished drilling June 15, 19 40

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3270 to 3279 No. 4, from to
No. 2, from 3316 to 3326 No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 285 to 294 No. 3, from to
No. 2, from to 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—	
8 1/2	28#	8	Beth	605	Tex Pat				
7 1/2	20#	8	Beth	3240	Tex Pat				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8"	605	50	Gibson		30 sax
7"	3240	100	Gibson		100 sax

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
150 qts	2-5"					
	1-3 $\frac{1}{2}$ "	Nitro Gly	150 qts	6-22	3270-3330	3330

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 3330 feet, and from _____ feet to _____ feet

DATES

Put to producing Hope to July 15, 1940

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

EMPLOYEES	
....., Driller	, Driller
....., Driller	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	120		red bed
120	175		sticky red bed
175	210		shale & red sand
210	240		sticky red bed
240	285		red rock
285	294		red rock & sand making 15 bailers per hr.
294	341		red rock & shale
341	367		red rock
367	416		red bed trace of anhy
416	458		red rock & shells
458	506		red bed & some anhy
506	573		anhy & salt
573	605		salt
605	650		salt & anhy
650	790		anhy & salt
790	920		anhy & salt
920	1065		anhy & salt
1065	1195		potash & salt
1195	1255		Salt, gyp & potash
1255	1365		anhy & salt
1365	1470		anhy & salt
1470	1680		anhy
1680	1940		anhy & red rock
1940	2230		anhy
2230	2260		lime

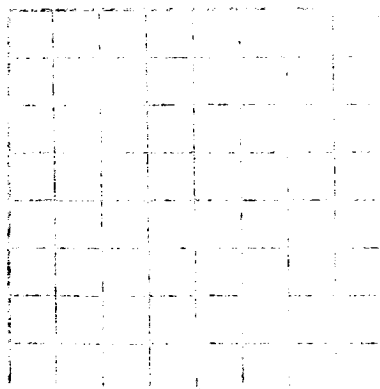
(OVER)

16-43094-2

CONVULSION RECORD—continued

LOG OF OIL OR GAS WELL

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DATE WELL COMPLETED

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.

HISTORY OF OIL OR GAS WELL

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FROM-	TO-	TOTAL FEET	FORMATION
2260	2280	20	any
2280	2310	30	lime
2310	2400	90	any & lime
2400	2550	150	lime
2550	2705	155	lime & any
2705	2760	55	lime
2760	2785	25	red sand, light show of oil & gas
2785	2850	65	lime & any
2850	2935	85	grey lime
2935	2995	60	lime
2995	3020	25	sandy lime
3020	3080	60	lime & any
3080	3223	143	lime
3223	3245	22	sandy lime
3245	3270	25	hard lime
3270	3279	9	oil sand
3279	3315	36	sandy lime
3315	3326	11	oil sand
3326	3372	46	sandy lime
3372	3392	20	lime & mixture of blue shale