

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **063648**
LEASE OR PERMIT TO ROSEBUD **Federal Survey**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

General American Oil Company of Texas P. O. Box 416, Loco Hills, N. M.

Company ----- Federal Sivley A ----- Address ----- Wildcat ----- New Mexico

Lessor or Tract ----- 1 ----- 3 ----- 16S ----- 29E ----- Field ----- N.M.P.M. ----- State ----- Eddy

Well No. 4620 ----- Sec. ----- T. ----- R. 660 ----- Meridian ----- County -----

Location ----- ft. N. ----- of ----- Line and ----- ft. E. ----- W ----- of ----- Line of ----- Section 3 ----- Elevation 3719

----- ft. S. ----- of ----- Line and ----- ft. W. -----

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.

Date October 22, 1956 Signed R. J. Heard R. J. Heard
Title Field Superintendent

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

Commenced drilling _____, 19⁵⁶ Finished drilling _____, 19⁵⁶

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathcal{G}$)

NONE (Denote gas by G)

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

IMPORTANT WATER SANDS

No. 1, from <u>230'</u>	<u>255'</u>	No. 3, from <u>3480'</u>	<u>3489'</u>
No. 1, from <u>1625'</u>	to <u>1635'</u>	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—	
10 3/4"	32.75#	8rd		350'	Texas Pattern				Salt String shut off
8 5/8"	24#-28#	8rd	used	1975'	Texas Pattern	1975'			Water shut off

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3/4"	355'	50	Pump & Plug	Heavy	To Surface
5/8"	1978'	None	" "	Heavy	To Surface

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

SHOOTING RECORD						
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

TOOLS USED

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

Cable tools were used from 0 feet to 3521 feet, and from _____ feet to _____ feet

1. DATES

DATES		
October 22,	56	Plugged and Abandoned
-----, 19		-----
		October 19
		56

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	
Henry Barron	Driller
H. O. Newman	Driller
E. J. Parish	Driller
	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	6	6	Caliche
6	150	144	Red Shale
150	170	20	Red Sand
170	185	15	Red Shale
185	200	15	Gravel
200	310	110	Red Shale
310	645	335	Salt
645	650	5	Red Rock
650	740	90	Salt
740	750	10	Anhy & Shale
750	772	22	Anhy.
772	780	8	Anhy & Salt
780	930	150	Anhy & Shale
930	960	30	Sandy Shale & Shells
960	1020	60	Anhy & Shale
1020	1095	75	Anhy.
1095	1130	135	Anhy & Shale
1130	1400	270	Anhy.
1400	1406	6	SILM
1406	1490	84	Salt & Anhy
1490	1625	135	Anhy.
1625	1635	10	Red Sand (water)
1635	1650	15	Red Shale
1650	1725	75	Anhy.
1725	1735	10	Salt
1735	1825	90	Anhy & Shale



TOO OF OF OR GAS WITH

...a note to the effect to distribute and not to regard as victims and

[illegible][illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained on the selective medium. The results are the mean of three independent experiments. Error bars represent standard deviation.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
1825	1850	25	Sand
1850	1865	15	Any.
1865	1882	17	Sand
1882	1920	38	Red Sand & Any
1920	1940	20	Shale
1940	1955	15	Any.
1955	1972	17	Red Shale
1972	2110	138	Any.
2110	2200	90	Lime.
2200	2210	10	Lime & Shale
2210	2350	140	Any.
2350	2357	7	Sand
2357	3489	1132	Lime
3489	3489	-5	SIM
3489	3518	34	Lime
3518	3521	3	SIM