

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **064561**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Allan Hargrave Address Box 313, Midland, Texas.
 Lessor or Tract Federal Bradley Hargrave Field wild-cat State New Mexico
 Well No. 1 Sec. 23 T. 24S R. 26E Meridian N.M.P.M. County Eddy.
 Location 330 ft. { N } of N Line and 330 ft. { E } of E Line of Sec. 23 Elevation 3266
 (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.

Date **January 26, 1953** Signed *Walter S. Gage* Title _____

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

Commenced drilling December 6, 1952, 19____ Finished drilling January 4, 1953

OIL OR GAS SANDS OR ZONES

(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

No. 1 from **39-60** to _____ No. 3. from _____ to _____

No. 1, from _____ to _____

No. 2, from **1998** to **2002**

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

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

Cable tools were used from 0 feet to 2032 feet, and from _____ feet to _____ feet.

DATES

....., 19..... Put to producing 19.....

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. ----- J. M. Cribbs

EMPLOYEES

Joe E. Bond., Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	soil FORMATION
0	4	4	clay
4	39	35	gravel water.
39	60	21	red bed
60	65	5	gravel
65	90	36	red bed and gravel
90	145	55	red & blue shale.
145	217	72	anhydrite.
217	265	48	red bed.
265	275	10	anhydrite.
275	1104	729	salt
1104	1240	136	anhydrite
1240	1243	3	salt
1243	1435	192	anhydrite
1435	1465	30	salt
1465	1625	165	lime
1625	1825	200	lime & anhydrite
1825	1865	40	black lime
1865	1930	65	brown lime
1930	1950	20	black lime
1950	1981	31	sand. TD. Slight show oil 1992-201
1981	2032	51	3 gal. sul. wtr. per hr.

1000 900 800 700 600 500 400 300 200 100 0

Wm. D. Smith

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

U. S. GOVERNMENT PRINTING OFFICE

[illegible]