

U. S. LAND OFFICE ~~Santa Fe~~
SERIAL NUMBER ~~NM 01119~~
LEASE OR PERMIT TO PROSPECT

U.S. GEOLOGICAL SURVEY

1952

ARTIST: LEO MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company George D. Riggs Address Box 30, Carlsbad, New Mexico
 Lessor or Tract Welch et al Field Cedar Hills State New Mexico
 Well No. 3 Sec. 5 T. 21S R. 27E Meridian NMPM County Eddy
 Location 2970 ft. { N } of S Line and 990 ft. { E } of E Line of Sec. 5 Elevation 3250
 (Vertical foot 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 ~~May~~ 8, 1952 _____

Signed Geo. D. Riggs
Title Operator

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

Commenced drilling **Jan. 31, 1952**, 19____ Finished drilling **April 2, 1952**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by (G))

No. 1, from 435 to 437 show gas No. 4, from _____ to _____
 No. 2, from 519 to 520 " oil No. 5, from _____ to _____
 No. 3 from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 256 to 270 No. 3, from 531 to 532
No. 2, from 320 to 370 No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	406	20	Denton		10 sacks

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 Surface feet to \$32 feet, and from _____ feet to _____ feet.

DATES

Spudded Jan 31, 1952 Put to producing May 8, 1952

The production for the first 24 hours was 150 barrels of fluid of which 33 % was oil; ----- % emulsion; 67 % water; and ----- % sediment. Gravity, °Bé. 20.7

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

EMPLOYEES

_____, Driller _____, Driller

Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	4	4	Surface sand
4	36	32	Dolomite - gray, weathered
36	72	36	Red clay
72	210	138	Gyp. and red clay, some red gy.
210	235	25	Gyp. and some red clay
235	255	20	Anhy. dense blue, white
255	292	37	Dolomite, light brown, water at 256
292	298	6	Dolomite and gray shale
298	305	7	" " " "
305	314	9	" " red shale
314	350	36	Dolomite, yellow stain, (water)
350	381	31	No sample, washed away
381	393	12	Dolomite 40%, Lt. gray sand 60%
393	404	11	Sand 40%, fine shaly sand 60%
404	409	5	Dolomite - hard, light
409	414	5	Sand, fine tight
414	421	7	Dolomite
421	428	7	Sand
428	430	2	Dolomite
430	456	26	Sand, brown stained, show gas 435
456	469	13	Dolomite, lt. dense, show gas 458
469	484	15	Sand, fine, oil stain
484	515	31	Dolomite
515	518	3	Sand, fine, and dolomite
518	522	4	Dolomite, oil and water 517-520
522	528	6	Sand
528	532	4	Dolomite, H ₂ S water at 532'

(OVER)

16-48094-2

NOT A VALID US AIR MAIL PERMIT

[illegible][illegible]

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... ..			

Amount	Number of	Make	Expressed by	Weight	Size
Amount	Number of	Make	Expressed by	Weight	Size
100	100	100	100	100	100

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 "detracked", 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.

RECEIVED
JAN 10 1964
U.S. DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS
WASHINGTON, D.C. 20540

[illegible]

FORMATION RECORD—Continued

ESOL D 1 WORK