

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 04278
LEASE OR PERMIT TO PROSPECT _____

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$ for x from -10 to 10.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company C. E. Roach Drilling Co. Address 200 Booker Bldg. - Artesia, N.M.
Lessor or Tract Northern Natural Gas Fed. Field Wildcat State New Mexico
Well No. 1 Sec. 11 T. 21 R. 24 Meridian NMPM County Eddy
Location 990 ft. N. of S. Line and 2310 ft. E. of W. Line of Section 11 Elevation 3660
(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 **June 20, 1962**

Title _____ Owner _____

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

Commenced drilling May 31, 1962 Finished drilling June 7, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 456 to 465 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—	
0 1/2	11 lb	10	10	10	10	10	10	10	10
1	12 lb	10	10	10	10	10	10	10	10
1 1/2	13 lb	10	10	10	10	10	10	10	10
2	14 lb	10	10	10	10	10	10	10	10
2 1/2	15 lb	10	10	10	10	10	10	10	10
3	16 lb	10	10	10	10	10	10	10	10
3 1/2	17 lb	10	10	10	10	10	10	10	10
4	18 lb	10	10	10	10	10	10	10	10
4 1/2	19 lb	10	10	10	10	10	10	10	10
5	20 lb	10	10	10	10	10	10	10	10
5 1/2	21 lb	10	10	10	10	10	10	10	10
6	22 lb	10	10	10	10	10	10	10	10
6 1/2	23 lb	10	10	10	10	10	10	10	10
7	24 lb	10	10	10	10	10	10	10	10
7 1/2	25 lb	10	10	10	10	10	10	10	10
8	26 lb	10	10	10	10	10	10	10	10
8 1/2	27 lb	10	10	10	10	10	10	10	10
9	28 lb	10	10	10	10	10	10	10	10
9 1/2	29 lb	10	10	10	10	10	10	10	10
10	30 lb	10	10	10	10	10	10	10	10
10 1/2	31 lb	10	10	10	10	10	10	10	10
11	32 lb	10	10	10	10	10	10	10	10
11 1/2	33 lb	10	10	10	10	10	10	10	10
12	34 lb	10	10	10	10	10	10	10	10
12 1/2	35 lb	10	10	10	10	10	10	10	10
13	36 lb	10	10	10	10	10	10	10	10
13 1/2	37 lb	10	10	10	10	10	10	10	10
14	38 lb	10	10	10	10	10	10	10	10
14 1/2	39 lb	10	10	10	10	10	10	10	10
15	40 lb	10	10	10	10	10	10	10	10
15 1/2	41 lb	10	10	10	10	10	10	10	10
16	42 lb	10	10	10	10	10	10	10	10
16 1/2	43 lb	10	10	10	10	10	10	10	10
17	44 lb	10	10	10	10	10	10	10	10
17 1/2	45 lb	10	10	10	10	10	10	10	10
18	46 lb	10	10	10	10	10	10	10	10
18 1/2	47 lb	10	10	10	10	10	10	10	10
19	48 lb	10	10	10	10	10	10	10	10
19 1/2	49 lb	10	10	10	10	10	10	10	10
20	50 lb	10	10	10	10	10	10	10	10
20 1/2	51 lb	10	10	10	10	10	10	10	10
21	52 lb	10	10	10	10	10	10	10	10
21 1/2	53 lb	10	10	10	10	10	10	10	10
22	54 lb	10	10	10	10	10	10	10	10
22 1/2	55 lb	10	10	10	10	10	10	10	10
23	56 lb	10	10	10	10	10	10	10	10
23 1/2	57 lb	10	10	10	10	10	10	10	10
24	58 lb	10	10	10	10	10	10	10	10
24 1/2	59 lb	10	10	10	10	10	10	10	10
25	60 lb	10	10	10	10	10	10	10	10
25 1/2	61 lb	10	10	10	10	10	10	10	10
26	62 lb	10	10	10	10	10	10	10	10
26 1/2	63 lb	10	10	10	10	10	10	10	10
27	64 lb	10	10	10	10	10	10	10	10
27 1/2	65 lb	10	10	10	10	10	10	10	10
28	66 lb	10	10	10	10	10	10	10	10
28 1/2	67 lb	10	10	10	10	10	10	10	10
29	68 lb	10	10	10	10	10	10	10	10
29 1/2	69 lb	10	10	10	10	10	10	10	10
30	70 lb	10	10	10	10	10	10	10	10
30 1/2	71 lb	10	10	10	10	10	10	10	10
31	72 lb	10	10	10	10	10	10	10	10
31 1/2	73 lb	10	10	10	10	10	10	10	10
32	74 lb	10	10	10	10	10	10	10	10
32 1/2	75 lb	10	10	10	10	10	10	10	10
33	76 lb	10	10	10	10	10	10	10	10
33 1/2	77 lb	10	10	10	10	10	10	10	10
34	78 lb	10	10	10	10	10	10	10	10
34 1/2	79 lb	10	10	10	10	10	10	10	10
35	80 lb	10	10	10	10	10	10	10	10
35 1/2	81 lb	10	10	10	10	10	10	10	10
36	82 lb	10	10	10	10	10	10	10	10
36 1/2	83 lb	10	10	10	10	10	10	10	10
37	84 lb	10	10	10	10	10	10	10	10
37 1/2	85 lb	10	10	10	10	10	10	10	10
38	86 lb	10	10	10	10	10	10	10	10
38 1/2	87 lb	10	10	10	10	10	10	10	10
39	88 lb	10	10	10	10	10	10	10	10
39 1/2	89 lb	10	10	10	10	10	10	10	10
40	90 lb	10	10	10	10	10	10	10	10
40 1/2	91 lb	10	10	10	10	10	10	10	10
41	92 lb	10	10	10	10	10	10	10	10
41 1/2	93 lb	10	10	10	10	10	10	10	10
42	94 lb	10	10	10	10	10	10	10	10
42 1/2	95 lb	10	10	10	10	10	10	10	10
43	96 lb	10	10	10	10	10	10	10	10
43 1/2	97 lb	10	10	10	10	10	10	10	10
44	98 lb	10	10	10	10	10	10	10	10
44 1/2	99 lb	10	10	10	10	10	10	10	10
45	100 lb	10	10	10	10	10	10	10	10
45 1/2	101 lb	10	10	10	10	10	10	10	10
46	102 lb	10	10	10	10	10	10	10	10
46 1/2	103 lb	10	10	10	10	10	10	10	10
47	104 lb	10	10	10	10	10	10	10	10
47 1/2	105 lb	10	10	10	10	10	10	10	10
48	106 lb	10	10	10	10	10	10	10	10
48 1/2	107 lb	10	10	10	10	10	10	10	10
49	108 lb	10	10	10	10	10	10	10	10
49 1/2	109 lb	10	10	10	10	10	10	10	10
50	110 lb	10	10	10	10	10	10	10	10
50 1/2	111 lb	10	10	10	10	10	10	10	10
51	112 lb	10	10	10	10	10	10	10	10
51 1/2	113 lb	10	10	10	10	10	10	10	10
52	114 lb	10	10	10	10	10	10	10	10
52 1/2	115 lb	10	10	10	10	10	10	10	10
53	116 lb	10	10	10	10	10	10	10	10
53 1/2	117 lb	10	10	10	10	10	10	10	10
54	118 lb	10	10	10	10	10	10	10	10
54 1/2	119 lb	10	10	10	10	10	10	10	10
55	120 lb	10	10	10	10	10	10	10	10
55 1/2	121 lb	10	10	10	10	10	10	10	10
56	122 lb	10	10	10	10	10	10	10	10
56 1/2	123 lb	10	10	10	10	10	10	10	10
57	124 lb	10	10	10	10	10	10	10	10
57 1/2	125 lb	10	10	10	10	10	10	10	10
58	126 lb	10	10	10	10	10	10	10	10
58 1/2	127 lb	10	10	10	10	10	10	10	10
59	128 lb	10	10	10	10	10	10	10	10
59 1/2	129 lb	10	10	10	10	10	10	10	10
60	130 lb	10	10	10	10	10	10	10	10
60 1/2	131 lb	10	10	10	10	10	10	10	10
61	132 lb	10	10	10	10	10	10	10	10
61 1/2	133 lb	10	10	10	10	10	10	10	10
62	134 lb	10	10	10	10	10	10	10	10
62 1/2	135 lb	10	10	10	10	10	10	10	10
63	136 lb	10	10	10	10	10	10	10	10
63 1/2	137 lb	10	10	10	10	10	10	10	10
64	138 lb	10	10	10	10	10	10	10	10
64 1/2	139 lb	10	10	10	10	10	10	10	10
65	140 lb	10	10	10	10	10	10	10	10
65 1/2	141 lb	10	10	10	10	10	10	10	10
66	142 lb	10	10	10	10	10	10	10	10
66 1/2	143 lb	10	10	10	10	10	10	10	10
67	144 lb	10	10	10	10	10	10	10	10
67 1/2	145 lb	10	10	10	10	10	10	10	10
68	146 lb	10	10	10	10	10	10	10	10
68 1/2	147 lb	10	10	10	10	10	10	10	10
69	148 lb	10	10	10	10	10	10	10	10
69 1/2	149 lb	10	10	10	10	10	10	10	10
70	150 lb	10	10	10	10	10	10	10	10
70 1/2	151 lb	10	10	10	10	10	10	10	10
71	152 lb	10	10	10	10	10	10	10	10
71 1/2	153 lb	10	10	10	10	10	10	10	10
72	154 lb	10	10	10	10	10	10	10	10
72 1/2	155 lb	10	10	10	10	10	10	10	10
73	156 lb	10	10	10	10	10	10	10	10
73 1/2	157 lb	10	10	10	10	10	10	10	10
74	158 lb	10	10	10	10	10	10	10	10
74 1/2	159 lb	10	10	10	10	10	10	10	10
75	160 lb	10	10	10	10	10	10	10	10
75 1/2	161 lb	10	10	10	10	10	10	10	10
76	162 lb	10	10	10	10	10	10	10	10
76 1/2	163 lb	10	10	10	10	10	10	10	10
77	164 lb	10	10	10	10	10	10	10	10
77 1/2	165 lb	10	10	10	10	10	10	10	10
78	166 lb	10	10	10	10	10	10	10	10
78 1/2	167 lb	10	10	10	10	10	10	10	10
79	168 lb	10	10	10	10	10	10	10	10
79 1/2	169 lb	10	10	10	10				

MUDDING AND CEMENTING RECORD

[illegible]

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 _____ feet to 575 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. _____

EMPLOYEES

----- R. A. Reneau -----, Driller
----- Carl Howell -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Hard Lime
10	80	70	Lime
80	100	20	Red Rock-Sandy
100	120	20	Gray Shale & Lime Shells
120	165	45	Lime
165	205	40	Gray Lime
205	245	40	Lime
245	270	25	Lime Shells
270	310	40	Lime
310	335	25	Lime Shale
335	370	35	Lime
370	400	30	Gray Lime
400	485	85	Lime
485	500	15	Dolomite
500	525	25	Lime & Sand
525	575	50	Lime
<u>GEOLOGIC TOPS FROM SAMPLES</u>			
			Top Queen 100
			Top Grayburg 500

