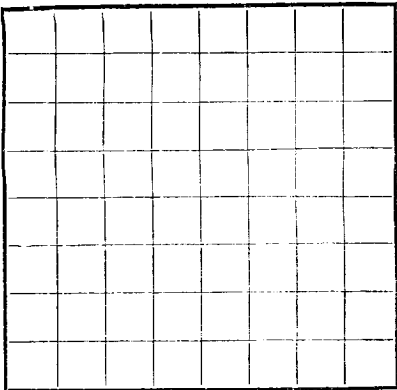


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 065394
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Carper Drilling Co., Inc. Address Artesia, New Mexico
Lessor or Tract Jones Field EK Queen State New Mexico
Well No. 4 Sec. 18 T. 18S R. 34E Meridian NMPM County Lea
Location 660 ft. N of S Line and 660 ft. E of W Line of Sec. 18 Elevation 3988
(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.
Signed J. Arrowood Title Vice-Pres.
Date January 17, 1956

The summary on this page is for the condition of the well at above date.
Commenced drilling December 16, 1955 Finished drilling December 28, 1955

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4387 to 4407 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 _____ to _____ 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—	
<u>8 5/8</u>	<u>20#</u>	<u>8</u>	<u>Smls.</u>	<u>289</u>	<u>Guide</u>				
<u>5 1/2</u>	<u>14#</u>	<u>8</u>	<u>"</u>	<u>4425</u>	<u>"</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>305</u>	<u>175</u>	<u>Halliburton</u>		
<u>5 1/2</u>	<u>4431</u>	<u>400 sax poe mix 4% gel</u>			
		<u>125 Neat</u>	<u>Halliburton</u>		

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 0 feet to 4432 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 11, 1956 Put to producing January 11, 1956
The production for the first 24 hours was 120 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

Ray E. Arrowood, Driller J. D. Berry, Jr., Driller
R. V. Plato, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>310</u>	<u>310</u>	<u>Surface sand & caliche</u>
<u>310</u>	<u>1505</u>	<u>1195</u>	<u>Red bed</u>
<u>1505</u>	<u>1705</u>	<u>200</u>	<u>Red bed & anhyd.</u>
<u>1705</u>	<u>1875</u>	<u>170</u>	<u>Anhyd.</u>
<u>1875</u>	<u>3095</u>	<u>1220</u>	<u>Salt & anhyd.</u>
<u>3095</u>	<u>4376</u>	<u>1281</u>	<u>Anhyd.</u>
<u>4376</u>	<u>4432</u>	<u>56</u>	<u>Sand</u>
TOPS:			
<u>Anhydrite</u>	<u>- - - - -</u>	<u>1705</u>	
<u>Salt</u>	<u>- - - - -</u>	<u>1875</u>	
<u>Base Salt</u>	<u>- - - - -</u>	<u>3095</u>	
<u>Yates</u>	<u>- - - - -</u>	<u>3198</u>	
<u>7 Rivers</u>	<u>- - - - -</u>	<u>3598</u>	
<u>Queen</u>	<u>- - - - -</u>	<u>4361</u>	

Sample analysis by E. E. Kinney attached
2 Copies Lane-Wells Gamma Ray-Neutron Log attached.

FOLD MARK

SEARCHED INDEXED
SERIALIZED FILED
FBI - NEW YORK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

100 OF OUR OR GAS WELLS

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

The information as furnished is complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____

I certify that the above information was obtained from _____
and that it is true and correct.
Signed _____

Witness my hand and seal of office at _____
this _____ day of _____ A.D. 19____.

Attest:
Notary Public for the State of _____
My Commission Expires _____

1. The company is a public company and is not a private company.

JUN 06 1978

Gd ³⁺ (aq) + 2H ₂ O(l)			
0.1	mol/L	0.7	mol/L
0.1	mol/L	0.7	mol/L
0.1	mol/L	0.7	mol/L

RECEIVED JULY 1971

$\text{mod } 8 \times 6Z$	$\text{mod } 10 \times 6Z$
$\text{mod } 9 \times 6Z$	$\text{mod } 11 \times 6Z$

CASUALTY RECORD

Serial Number	Month	Amount	Kind of shoe	Kind and pulled from	Particulars	Remarks
1	1941	100	Leather			
2	1942	100	Leather			
3	1943	100	Leather			
4	1944	100	Leather			
5	1945	100	Leather			
6	1946	100	Leather			
7	1947	100	Leather			
8	1948	100	Leather			
9	1949	100	Leather			
10	1950	100	Leather			
11	1951	100	Leather			
12	1952	100	Leather			
13	1953	100	Leather			
14	1954	100	Leather			
15	1955	100	Leather			
16	1956	100	Leather			
17	1957	100	Leather			
18	1958	100	Leather			
19	1959	100	Leather			
20	1960	100	Leather			
21	1961	100	Leather			
22	1962	100	Leather			
23	1963	100	Leather			
24	1964	100	Leather			
25	1965	100	Leather			
26	1966	100	Leather			
27	1967	100	Leather			
28	1968	100	Leather			
29	1969	100	Leather			
30	1970	100	Leather			
31	1971	100	Leather			
32	1972	100	Leather			
33	1973	100	Leather			
34	1974	100	Leather			
35	1975	100	Leather			
36	1976	100	Leather			
37	1977	100	Leather			
38	1978	100	Leather			
39	1979	100	Leather			
40	1980	100	Leather			
41	1981	100	Leather			
42	1982	100	Leather			
43	1983	100	Leather			
44	1984	100	Leather			
45	1985	100	Leather			
46	1986	100	Leather			
47	1987	100	Leather			
48	1988	100	Leather			
49	1989	100	Leather			
50	1990	100	Leather			
51	1991	100	Leather			
52	1992	100	Leather			
53	1993	100	Leather			
54	1994	100	Leather			
55	1995	100	Leather			
56	1996	100	Leather			
57	1997	100	Leather			
58	1998	100	Leather			
59	1999	100	Leather			
60	2000	100	Leather			
61	2001	100	Leather			
62	2002	100	Leather			
63	2003	100	Leather			
64	2004	100	Leather			
65	2005	100	Leather			
66	2006	100	Leather			
67	2007	100	Leather			
68	2008	100	Leather			
69	2009	100	Leather			
70	2010	100	Leather			
71	2011	100	Leather			

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

NUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

[illegible]

GRAND JURY 1962

DATE	NAME	ADDRESS	CITY	STATE	ZIP
10/10/68	John F. Kennedy	1000 Massachusetts Ave.	Washington	D.C.	20540
10/11/68	Robert F. Kennedy	1000 Massachusetts Ave.	Washington	D.C.	20540
10/12/68	Lyndon B. Johnson	1000 Massachusetts Ave.	Washington	D.C.	20540
10/13/68	Hubert H. Humphrey	1000 Massachusetts Ave.	Washington	D.C.	20540
10/14/68	Walter F. Mondale	1000 Massachusetts Ave.	Washington	D.C.	20540
10/15/68	George McGovern	1000 Massachusetts Ave.	Washington	D.C.	20540
10/16/68	Eugene McCarthy	1000 Massachusetts Ave.	Washington	D.C.	20540
10/17/68	Edward Brooke	1000 Massachusetts Ave.	Washington	D.C.	20540
10/18/68	Charles McNamara	1000 Massachusetts Ave.	Washington	D.C.	20540
10/19/68	Barry Goldwater	1000 Massachusetts Ave.	Washington	D.C.	20540
10/20/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/21/68	William French Smith	1000 Massachusetts Ave.	Washington	D.C.	20540
10/22/68	James Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/23/68	William H. Channing	1000 Massachusetts Ave.	Washington	D.C.	20540
10/24/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/25/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/26/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/27/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/28/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/29/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/30/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540
10/31/68	William F. Buckley	1000 Massachusetts Ave.	Washington	D.C.	20540

1. The first step is to identify the problem. This involves understanding the symptoms and the context in which the problem is occurring. It is important to gather as much information as possible about the problem, including its history and any previous attempts to solve it.

[illegible]

2000-0000

allnG		allnG		ssowen	
allnG		allnG		allnG	

FORMERLY ON RECORD

[illegible]