

U. S. LAND OFFICE

SERIAL NUMBER 073669

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Lone Star Producing Company Address P. O. Box 4815, Midland, Texas
Lessor or Tract Federal N.M. "C" Field South Prairie Perm State New Mexico
Well No. "C" 1 Sec. 20 T. 8-S R. 36-E Meridian NPM County Roosevelt
Location 660 ft. N. of N. Line and 660 ft. E. of E. Line of Section 20 Elevation 4,134'
(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 February 6, 1961 Signed E. A. Foreman Sr. Foreman (Production) Title

The summary on this page is for the condition of the well at above date.
Commenced drilling December 22, 1961 Finished drilling January 27, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 9,662' 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 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—	
13-3/8"	4.44	8 rd.	J. & L.	427'	Larkin	—	—	—	—
9-5/8"	3.30	8 rd.	J. & L.	4,335'	Larkin	—	—	—	—
7" O.D.	2.34	8 rd.	Rep.	9,695'	Larkin	—	9,642'	9,658'	To complete.
2-3/8"	4.70	8 rd.	Rep.	9,695'	—	—	—	—	—
E.U.E.									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	427'	400 Circulated	Pump & Plug		
9-5/8"	4,335'	2390 Circulated	Pump & Plug		
7" O.D.	9,695'	600 Circulated	Pump & Plug		
		Top of cement behind 7" O.D. 7,780 feet.			

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 9,695 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing February 3, 1961

The production for the first 24 hours was 442.74 barrels of fluid of which 100% was oil; —% emulsion; —% water; and —% sediment. Gravity, °Bé. 19.0

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Marvin Allison, Driller J. D. Oliver, Driller
J. P. Hanley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	200'	200'	Caliche & Sand
200'	2,000'	1,800'	Red Bed
2,000'	2,345'	345'	Anhydrite & Gyp
2,345'	4,000'	1,655'	Anhydrite & Salt
4,000'	5,395'	1,395'	Dolomite & Lime
5,395'	7,720'	2,325'	Lime & Shale
7,720'	8,450'	730'	Shale
8,450'	9,639'	1,189'	Lime, Shale & Chert
9,639'	9,695'	56'	Lime & Shale

[OVER]

100-100000

SECRET
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JELW 640 20 001 20 001

1. The first part of the document is a list of names and addresses, including "John Doe, 123 Main St, New York, NY" and "Jane Smith, 456 Elm St, Los Angeles, CA".
 2. The second part is a list of dates and times, including "1984, 1985, 1986" and "1987, 1988, 1989".
 3. The third part is a list of names and addresses, including "John Doe, 123 Main St, New York, NY" and "Jane Smith, 456 Elm St, Los Angeles, CA".
 4. The fourth part is a list of dates and times, including "1984, 1985, 1986" and "1987, 1988, 1989".
 5. The fifth part is a list of names and addresses, including "John Doe, 123 Main St, New York, NY" and "Jane Smith, 456 Elm St, Los Angeles, CA".
 6. The sixth part is a list of dates and times, including "1984, 1985, 1986" and "1987, 1988, 1989".
 7. The seventh part is a list of names and addresses, including "John Doe, 123 Main St, New York, NY" and "Jane Smith, 456 Elm St, Los Angeles, CA".
 8. The eighth part is a list of dates and times, including "1984, 1985, 1986" and "1987, 1988, 1989".
 9. The ninth part is a list of names and addresses, including "John Doe, 123 Main St, New York, NY" and "Jane Smith, 456 Elm St, Los Angeles, CA".
 10. The tenth part is a list of dates and times, including "1984, 1985, 1986" and "1987, 1988, 1989".

No.	Section	Thickness	Total
1	Shale	6' 0"	6' 0"
2	Sandstone	8' 0"	14' 0"
3	Shale	9' 0"	23' 0"
4	Sandstone	7' 0"	30' 0"
5	Shale	6' 0"	36' 0"
6	Sandstone	8' 0"	44' 0"
7	Shale	9' 0"	53' 0"
8	Sandstone	7' 0"	60' 0"
9	Shale	6' 0"	66' 0"
10	Sandstone	8' 0"	74' 0"
11	Shale	9' 0"	83' 0"
12	Sandstone	7' 0"	90' 0"
13	Shale	6' 0"	96' 0"
14	Sandstone	8' 0"	104' 0"
15	Shale	9' 0"	113' 0"
16	Sandstone	7' 0"	120' 0"
17	Shale	6' 0"	126' 0"
18	Sandstone	8' 0"	134' 0"
19	Shale	9' 0"	143' 0"
20	Sandstone	7' 0"	150' 0"
21	Shale	6' 0"	156' 0"
22	Sandstone	8' 0"	164' 0"
23	Shale	9' 0"	173' 0"
24	Sandstone	7' 0"	180' 0"
25	Shale	6' 0"	186' 0"
26	Sandstone	8' 0"	194' 0"
27	Shale	9' 0"	203' 0"
28	Sandstone	7' 0"	210' 0"
29	Shale	6' 0"	216' 0"
30	Sandstone	8' 0"	224' 0"
31	Shale	9' 0"	233' 0"
32	Sandstone	7' 0"	240' 0"
33	Shale	6' 0"	246' 0"
34	Sandstone	8' 0"	254' 0"
35	Shale	9' 0"	263' 0"
36	Sandstone	7' 0"	270' 0"
37	Shale	6' 0"	276' 0"
38	Sandstone	8' 0"	284' 0"
39	Shale	9' 0"	293' 0"
40	Sandstone	7' 0"	300' 0"
41	Shale	6' 0"	306' 0"
42	Sandstone	8' 0"	314' 0"
43	Shale	9' 0"	323' 0"
44	Sandstone	7' 0"	330' 0"
45	Shale	6' 0"	336' 0"
46	Sandstone	8' 0"	344' 0"
47	Shale	9' 0"	353' 0"
48	Sandstone	7' 0"	360' 0"
49	Shale	6' 0"	366' 0"
50	Sandstone	8' 0"	374' 0"
51	Shale	9' 0"	383' 0"
52	Sandstone	7' 0"	390' 0"
53	Shale	6' 0"	396' 0"
54	Sandstone	8' 0"	404' 0"
55	Shale	9' 0"	413' 0"
56	Sandstone	7' 0"	420' 0"
57	Shale	6' 0"	426' 0"
58	Sandstone	8' 0"	434' 0"
59	Shale	9' 0"	443' 0"
60	Sandstone	7' 0"	450' 0"
61	Shale	6' 0"	456' 0"
62	Sandstone	8' 0"	464' 0"
63	Shale	9' 0"	473' 0"
64	Sandstone	7' 0"	480' 0"
65	Shale	6' 0"	486' 0"
66	Sandstone	8' 0"	494' 0"
67	Shale	9' 0"	503' 0"
68	Sandstone	7' 0"	510' 0"
69	Shale	6' 0"	516' 0"
70	Sandstone	8' 0"	524' 0"
71	Shale	9' 0"	533' 0"
72	Sandstone	7' 0"	540' 0"
73	Shale	6' 0"	546' 0"
74	Sandstone	8' 0"	554' 0"
75	Shale	9' 0"	563' 0"
76	Sandstone	7' 0"	570' 0"
77	Shale	6' 0"	576' 0"
78	Sandstone	8' 0"	584' 0"
79	Shale	9' 0"	593' 0"
80	Sandstone	7' 0"	600' 0"
81	Shale	6' 0"	606' 0"
82	Sandstone	8' 0"	614' 0"
83	Shale	9' 0"	623' 0"
84	Sandstone	7' 0"	630' 0"
85	Shale	6' 0"	636' 0"
86	Sandstone	8' 0"	644' 0"
87	Shale	9' 0"	653' 0"
88	Sandstone	7' 0"	660' 0"
89	Shale	6' 0"	666' 0"
90	Sandstone	8' 0"	674' 0"
91	Shale		

with the record for the work and its results. If there were any changes made in the casing, state fully, and if any casing was changed, importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the location of the well, its size and location. If the well has been dynamited, give date, size, position, and number of shots. If things 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

[illegible]