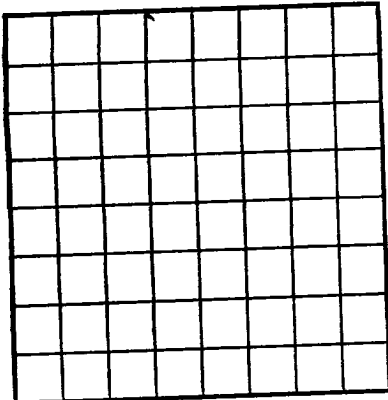


U. S. LAND OFFICE **Las Cruces**
 SERIAL NUMBER **028992 (e)**
 LEASE OR PERMIT TO PROSPECT **Abundant**



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address Box 416, Loco Hills, New Mexico

Lessor or Tract Arnold E Field Fraser State New Mexico

Well No. 2 Sec. 23 T. 17S R. 30E Meridian NMPM County Blair

Location 990 ft. {N.} of S Line and 2310 ft. {E.} of E Line of Sec. 23 Elevation 3668'
{S.} {W.} (Derrick floor relative to sea level)

I, General American Oil Co. of Texas, do hereby certify that the above is a true and correct record of the well and all work done thereon

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 R. A. [Signature]

Date 12-12-51

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

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

Commenced drilling 10-10-51, 1951 Finished drilling 11-21-51, 1951

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

No. 1, from <u>1948</u> to <u>1954</u>	No. 4, from _____ to _____
No. 2, from <u>1984</u> to <u>1989</u>	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

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
1 1/2	10	12	10	10	10	10	10	10	10
2	12	14	12	12	12	12	12	12	12
3	14	16	14	14	14	14	14	14	14
4	16	18	16	16	16	16	16	16	16
5	18	20	18	18	18	18	18	18	18
6	20	22	20	20	20	20	20	20	20
7	22	24	22	22	22	22	22	22	22
8	24	26	24	24	24	24	24	24	24
9	26	28	26	26	26	26	26	26	26
10	28	30	28	28	28	28	28	28	28
11	30	32	30	30	30	30	30	30	30
12	32	34	32	32	32	32	32	32	32
13	34	36	34	34	34	34	34	34	34
14	36	38	36	36	36	36	36	36	36
15	38	40	38	38	38	38	38	38	38
16	40	42	40	40	40	40	40	40	40
17	42	44	42	42	42	42	42	42	42
18	44	46	44	44	44	44	44	44	44
19	46	48	46	46	46	46	46	46	46
20	48	50	48	48	48	48	48	48	48
21	50	52	50	50	50	50	50	50	50
22	52	54	52	52	52	52	52	52	52
23	54	56	54	54	54	54	54	54	54
24	56	58	56	56	56	56	56	56	56
25	58	60	58	58	58	58	58	58	58
26	60	62	60	60	60	60	60	60	60
27	62	64	62	62	62	62	62	62	62
28	64	66	64	64	64	64	64	64	64
29	66	68	66	66	66	66	66	66	66
30	68	70	68	68	68	68	68	68	68
31	70	72	70	70	70	70	70	70	70
32	72	74	72	72	72	72	72	72	72
33	74	76	74	74	74	74	74	74	74
34	76	78	76	76	76	76	76	76	76
35	78	80	78	78	78	78	78	78	78
36	80	82	80	80	80	80	80	80	80
37	82	84	82	82	82	82	82	82	82
38	84	86	84	84	84	84	84	84	84
39	86	88	86	86	86	86	86	86	86
40	88	90	88	88	88	88	88	88	88
41	90	92	90	90	90	90	90	90	90
42	92	94	92	92	92	92	92	92	92
43	94	96	94	94	94	94	94	94	94
44	96	98	96	96	96	96	96	96	96
45	98	100	98	98	98	98	98	98	98

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	521	75	Pump & Plug	Heavy	To Surface
7"	1916	100	" "	"	" "

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

~~(See below for acidizing record)~~

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
				1951		
		Solidified	90 qts	11-17	1995 - 1978'	2030'
		liquid	25	11-17	1978 - 1958'	
		Solidified	30	11-17	1958 - 1958'	

TOOLS USED

TOOLS USED

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

Cable tools were used from 0 feet to 2030 feet, and from _____ feet to _____ feet

DATES

DATES

-----, 19-----
12-12-51
 The production for the first 24 hours was **21** barrels of fluid of which **100** % was oil; ----- %
 emulsion; ----- % water; and ----- % sediment.
 If gas well, cu. ft. per 24 hours -----
 Rock pressure, lbs. per sq. in. -----
 Put to producing -----, 19-----
11-21-51
 Gravity, °Bé **///** **API 36°**
 Gallons gasoline per 1,000 cu. ft. of gas -----

EMPLOYEES

EMPLOYEES	
Driller	V. Richardson
Driller	

FORMATION RECORD

FORMATION RECORD

FROM		TOTAL FEET	FORMATION

ACIDIZING RECORD

Chemical	Quantity	Date	Depth Treated
Used	Gallons	1951	
15% HCl	135	11-3	Wash @ TD 2030'.
15% HCl	148	11-3	Wash @ TD 2030'.
15% HCl	20	11-4	1928' to 2030'.
15% HCl	750	11-5	1982' to 2030'.
15% HCl	1750	11-6	1982' to 2030'.

FORMATION RECORD

FORMATION RECORD		Total Feet	Formation
From	To		
0	20	20	Cellar and Sand
20	164	144	Red bed
164	220	56	Gyp & Red bed
220	265	45	Red bed
265	275	10	Gravels
275	285	10	Blue shale
285	300	15	Argy
300	310	10	Red bed
310	330	20	Gyp
330	335	5	Gravels
335	395	60	Gyp
395	400	5	Water
OVER			CONVIATION

FORMATION RECORD-Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company _____

Lessors or Tracts _____

Well No. _____

Location {N. of _____ Line and _____ W. of _____ Line of _____

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 _____

County _____

State _____

Address _____

Completed drilling _____ 19____
The summary on this page is for the condition of the well at above date.
Date _____
Title _____
Signed _____
so far as can be determined from all available records.

OIL OR GAS SANDS OR ZONES

(7) Derivatives and by (4)

No. 3, from	to	1943	No. 4, from	to	1943
No. 2, from	to	1943	No. 5, from	to	1943
No. 1, from	to	1943	No. 6, from	to	1943

(1) More Nos. 3 & 4

IMPORTANT WATER SANDS

to No. 1, from
to No. 2, from
to No. 3, from
to No. 4, from

CASING RECORD

[illegible]

It is of the greatest importance to have a complete history of the well with the reasons for the work and the results. If there were any changes made in the casing, state fully, and if any cement was placed or left in the well, give name and location. If the well has been dynamited, give date, size, position, and number of shots. If piers 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

MURDERING AND CEMENTING RECORD

No.	Where set	Nominal sacks of cement	Mortar used	Cement grade	Amount of sand used
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

PLUGS AND ADAPTERS

Adapters - Material	Having plug - Material	Size	Length	PLUGS AND ADAPTERS
				Length set

SHOOTING RECORD

[illegible]

TOOLS USED

DATE		TOOL USED	
1967	feet to	feet, and from	
1967	feet to	feet, and from	

DATE

Rock pressure lbs. per sq. in.	
It gas well, or ft. per 24 hours	
emulsion; % water; and % sediment	
The production for the last 24 hours was	
barrels of fluid of which	
Put to producing	

EMPLOYEES

FROM	TO	TOTAL FEET	FORMATION
400	445	45	Red bed
445	472	27	Red bed
472	485	13	Red bed
485	518	33	Red bed
518	521	3	Red bed
521	595	74	Red bed
595	770	175	Red bed
770	855	85	Red bed
855	1050	195	Red bed
1050	1070	20	Red bed
1070	1225	155	Red bed
1225	1240	15	Red bed
1240	1265	25	Red bed
1265	1280	15	Red bed
1280	1325	45	Red bed
1325	1365	40	Red bed
1365	1380	15	Red bed
1380	1425	45	Red bed
1425	1455	30	Red bed
1455	1470	15	Red bed
1470	1485	15	Red bed
1485	1515	30	Red bed
1515	1525	10	Red bed
1525	1535	10	Red bed
1535	1545	10	Red bed
1545	1555	10	Red bed
1555	1565	10	Red bed
1565	1575	10	Red bed
1575	1585	10	Red bed
1585	1595	10	Red bed
1595	1605	10	Red bed
1605	1615	10	Red bed
1615	1625	10	Red bed
1625	1635	10	Red bed
1635	1645	10	Red bed
1645	1655	10	Red bed
1655	1665	10	Red bed
1665	1675	10	Red bed
1675	1685	10	Red bed
1685	1695	10	Red bed
1695	1705	10	Red bed
1705	1715	10	Red bed
1715	1725	10	Red bed
1725	1735	10	Red bed
1735	1745	10	Red bed
1745	1755	10	Red bed
1755	1765	10	Red bed
1765	1775	10	Red bed
1775	1785	10	Red bed
1785	1795	10	Red bed
1795	1805	10	Red bed
1805	1815	10	Red bed
1815	1825	10	Red bed
1825	1835	10	Red bed
1835	1845	10	Red bed
1845	1855	10	Red bed
1855	1865	10	Red bed
1865	1875	10	Red bed
1875	1885	10	Red bed
1885	1895	10	Red bed
1895	1905	10	Red bed
1905	1915	10	Red bed
1915	1925	10	Red bed
1925	1935	10	Red bed
1935	1945	10	Red bed
1945	1955	10	Red bed
1955	1965	10	Red bed
1965	1975	10	Red bed
1975	1985	10	Red bed
1985	1995	10	Red bed
1995	2000	5	Red bed

FORMATION RECORD **Continued**