

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 3
 CASE NO. 2755

U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 067610-A
 LEASE OR PERMIT TO PROSPECT _____
Bosworth

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 P. O. Box 416, Loco Hills, N. M.
 Lessor or Tract Bosworth Field High Lonesome State New Mexico
 Well No. 3 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
 Location 990 ft. ^(N.) of 3 Line and 2310 ft. ^(W.) of E Line of Section 14 Elevation 3704'
(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 _____

Date January 14, 1960 Title R. J. Heard District Superintendent

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

Commenced drilling November 24, 1959 Finished drilling December 17, 1959

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

No. 1, from 2039' to 2050' 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 1795' to 1816' 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-	
10 3/4"	32.75#	8rd	Used	364'	Regular	367'			Salt String
8 5/8"	28#	8rd	Used	1819'	Texas Pattern	1818'			Water String
7"	23#	8rd	Used	2027'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	367'	None	Obtained formation shut-off		
8 5/8"	1818'	None	Pump & Plug	Heavy	15 sacks Gel
7"	2029'	150	" "	"	

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	12-18-59	2029-2059'	
		Crude Oil	61,693 "	"	" "	
		Ottawa Sand	233,000 lbs.	"	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from 0 feet to 2059 feet, and from _____ feet to _____ feet

DATES

January 14, 1960 Put to producing December 26, 1959

The production for the first 24 hours was 168 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, XXX °APL 35.0°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

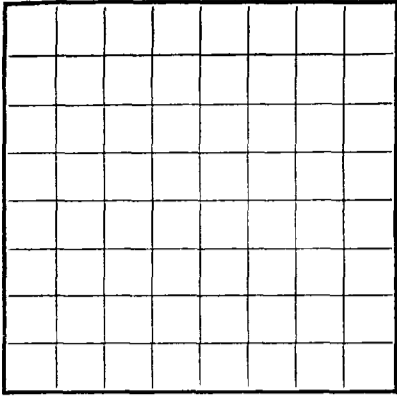
EMPLOYEES

E. T. Haney, Driller J. E. Wilcox, Driller
G. H. Harris, Driller J. G. Crow, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	6	6	Cellar
6	70	64	Red shale
70	145	75	Gyp and shale
145	238	93	Red shale
238	297	59	Anhy
297	362	65	Anhy and shale
362	395	33	Anhy
395	435	40	Red shale
435	455	20	Anhy
455	870	415	Salt
870	894	24	Anhy and shale
894	1030	136	Anhy
1030	1159	129	Anhy and shale
1159	1549	390	Anhy
1549	1585	36	Anhy and shale
1585	1597	12	Red shale
1597	1774	177	Anhy
1774	1795	21	Anhy and shale
1795	1816	21	Red sand
1816	1846	30	Anhy
1846	1853	7	Anhy and lime
1853	1870	17	Anhy
1870	1904	34	Anhy and shale
1904	1940	36	Anhy
1940	1977	37	Anhy and shale
1977	1994	17	Sandy lime
1994	2025	31	Anhy
2025	2031	6	Sandy lime
2031	2059	28	Sand

AT THE END OF EACH LOG, DRILLERS LOG, AND GEOLOGICAL STATE WHETHER FROM LOG OR SAMPLES



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 24 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N of S Line and 1978 ft. E of W Line of Section 13 Elevation 3730'
(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 _____
Date December 9, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling October 17, 1959 Finished drilling November 10, 1959

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

No. 1, from 1444' to 1448' (G) No. 4, from _____ to _____
No. 2, from 2126' to 2132' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 378' to 381' No. 3, from _____ to _____
No. 2, from 1884' to 1900' 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-	
10 3/4"	32.75#	8rd	Used	419'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Texas Pattern	1917'			Water String
7"	23#	8rd	Used	2119'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	420'	None	Obtained formation shut-off		
8 5/8"	1917'	None	Pump & Plug	Heavy	15 sacks Aquagel
7"	2122'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth created	Depth cleaned out
		20% HCl	500 gals.	11-12-59	2122-2147'	
		Crude Oil	80,556 gals.	" "	" "	
		Ottawa Sand	240,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2147 feet, and from _____ feet to _____ feet

DATES

December 9, 1959 Put to producing December 8, 1959

The production for the first 24 hours was 47 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% 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. _____

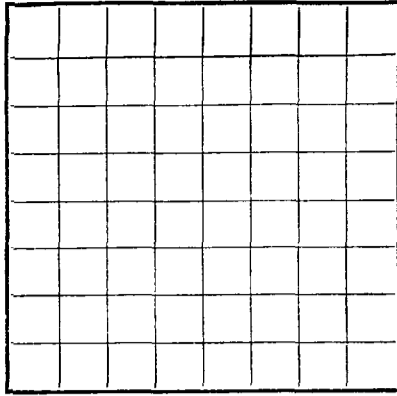
EMPLOYEES

F. H. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Caliche
10	312	302	Red sandy shale
312	340	28	Lime
340	350	10	Red shale
350	376	26	Anhy
376	417	41	Red shale
417	420	3	Anhy
420	468	48	Anhy and shale
468	482	14	Anhy
482	930	448	Salt
930	1110	180	Anhy
1110	1115	5	Red shale
1115	1125	10	Anhy
1125	1145	20	Red shale
1145	1168	23	Anhy
1168	1175	7	Red shale
1175	1565	390	Anhy
1565	1579	14	Gray lime
1579	1868	289	Anhy
1868	1877	9	Lime
1877	1884	7	Blue shale
1884	1900	16	Red sand
1900	2052	152	Anhy
2052	2060	8	Red shale
2060	2106	46	Anhy
2106	2116	10	Sandy lime
2116	2142	26	Sand
2142	2147	5	Sand and Anhy

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO PROSPECT **Brewer**



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **General American Oil Co. of Texas** Address **P. O. Box 416, Loco Hills, N. M.**
Lessor or Tract **Brewer** Field **High Lonesome** State **New Mexico**
Well No. **27** Sec. **14** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **990** ft. ^N of **S** Line and **660** ft. ^E of **W** Line of **Section 14** Elevation **3699'**
(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 _____
Date **March 9, 1960** Title **R. J. Heard District Superintendent**

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

Commenced drilling **January 27, 1960** Finished drilling **February 18, 1960**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2021'** to **2026'** 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 **1770'** to **1785'** 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—	
10 3/4"	32.75#	8rd	Used	395'	Regular	397'			Salt String
8 5/8"	28#	8rd	Used	1810'	Texas Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	397'	None	Obtained formation shut-off		
8 5/8"	1809'	None	Pump & Plug	Heavy	15 sacks Aquagel
7"	2002'	150 + 50	" "	"	

PLUGS AND ADAPTERS

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

STIMULATION ~~IS PROHIBITED~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	2-20-60	2002-2036'	
		Crude Oil	79,548 gals.	"	" "	
		Ottawa Sand	281,800 lbs.	"	" "	

TOOLS USED

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

DATES

March 9, 1960 Put to producing March 2, 1960

The production for the first 24 hours was **128** barrels of fluid of which **100%** was oil; **0%** emulsion; **0%** water; and **0%** sediment. Gravity, **13.1** °API **36.0**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

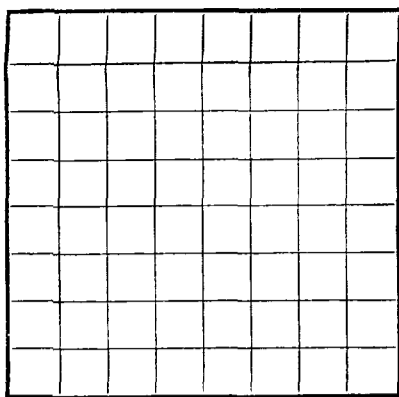
EMPLOYEES

E. T. Haney, Driller **L. P. Jennings**, Driller
G. H. Harris, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	240	240	Red shale
240	290	50	Anhy
290	298	8	Lime
298	397	99	Red shale
397	420	23	Anhy
420	835	415	Salt
835	855	20	Anhy
855	895	40	Anhy and shale
895	990	95	Anhy
990	1070	80	Anhy and shale
1070	1090	20	Anhy
1090	1145	55	Anhy and shale
1145	1540	395	Anhy
1540	1565	25	Red sand and shale
1565	1615	50	Anhy
1615	1638	23	Anhy and salt
1638	1750	112	Anhy
1750	1755	5	Anhy and shale
1755	1770	15	Anhy
1770	1785	15	Red sand
1785	1835	50	Anhy
1835	1855	20	Anhy and shale
1855	1960	105	Anhy
1960	1965	5	Brown sandy shale
1965	1995	30	Anhy and shale
1995	2005	10	Sandy lime
2005	2036	31	Gray sand

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 20 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. ~~XXXX~~ of N. Line and 1980 ft. ~~XXXX~~ of W. Line of Section 14 Elevation 3717'
(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 November 2, 1959 Signed R. J. Heard
Title District Superintendent

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

Commenced drilling September 4, 1959 Finished drilling September 30, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2023' to 2050' 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 1802' to 1815' 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—	
10 3/4"	32.75#	8rd	Used	395'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1836'	Pattern	1594'			Water String
5 1/2"	14#	8rd	Used	2021'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	400'	None	Obtained formation shut-off		
8 5/8"	1836'	None	Pump & Plug	Heavy	30 sacks Aquagel
5 1/2"	2023'	150 (Around Shoe)	" "	" "	
		50 (400-309')			

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth set treated	Depth cleaned out
		20% HCl	500 gals.	10-1-59	2023-2052'	
		Crude Oil	83,160 gals.	" "	" "	
		Ottawa Sand	217,600 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2052 feet, and from _____ feet to _____ feet

DATES

November 2, 1959 Put to producing October 12, 1959

The production for the first 24 hours was 64 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, ~~XXX~~ °API 35°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E. W. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25	25	Caliche
25	223	198	Red shale
223	280	57	Sandy shale
280	293	13	Lime
293	328	35	Anhy
328	334	6	Sand
334	365	31	Red shale
365	380	15	Anhy
380	412	32	Red Shale
412	430	18	Anhy
430	885	455	Salt
885	1065	180	Anhy
1065	1080	15	Red shale
1080	1485	405	Anhy
1485	1518	33	Limed anhy
1518	1802	284	Anhy
1802	1817	15	Red sand
1817	1844	27	Anhy
1844	1836	-8	SLM
1836	1845	9	Lime
1845	2019	174	Anhy
2019	2023	4	Sandy lime
2023	2052	29	Sand

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer

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 P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Undesignated State New Mexico
Well No. 25 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. ^{XXX} of N. Line and 990 ft. ^{XXX} of E. Line of Section 13 Elevation 3747'
(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 _____
Date November 27, 1959 Title B. J. Heard District Superintendent

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

Commenced drilling October 26, 1959 Finished drilling November 20, 1959.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2116' to 2133' 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 345' to 355' No. 3, from 1874' to 1885'
No. 2, from 373' to 380' 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-	
10 3/4"	32.75#	8rd	Used	441'	Regular	441'			Salt String
8 5/8"	28#	8rd	Used	1941'	Texas Pattern	1941'			Water String
7"	23#	8rd	Used	2112'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	441'	None	Obtained formation shut-off		
8 5/8"	1941'	None	Pump & Plug	Heavy	15 sacks Aquagel
7"	2115'	150	" "	"	

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	11-22-59	2115-2133'	
		Crude Oil	58,842 gals.	" "	" "	
		Ottawa Sand	240,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2133 feet, and from _____ feet to _____ feet

DATES

November 27, 1959 Put to producing November 27, 1959

The production for the first 24 hours was 528 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, XXX °API 35.00°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. H. Crabb, Driller L. P. Jennings, Driller
J. G. Crow, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	15	15	Caliche
15	55	40	Red shale
55	75	20	Gravel
75	225	150	Red sand shale
225	315	90	Anhy and shale
315	330	15	Anhy
330	345	15	Anhy and shale
345	395	50	Anhy
395	435	40	Red shale
435	455	20	Anhy
455	490	35	Red shale
490	500	10	Anhy
500	940	440	Salt
940	975	35	Anhy
975	980	5	Red shale
980	1100	120	Anhy
1100	1245	145	Anhy and shale
1245	1640	395	Anhy
1640	1721	81	Anhy and shale
1721	1755	34	Anhy
1755	1795	40	Anhy and shale
1795	1874	79	Anhy
1874	1885	11	Red sand
1885	1920	35	Anhy and shale

DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20250

HISTORY OF OIL OR GAS WELL

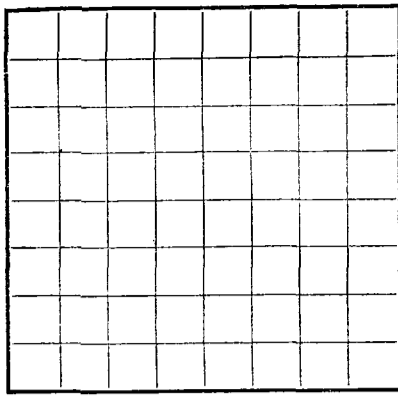
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its 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

U. S. GOVERNMENT PRINTING OFFICE: 1945-45094-2

FROM-	TO-	TOTAL FEET	FORMATION
1920	1981	61	Anhy
1981	1983	2	Blue shale
1983	2035	52	Anhy
2035	2065	30	Anhy and sandy shale
2065	2105	40	Anhy
2105	2116	11	Sandy lime
2116	2133	17	Sand

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co., of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Undesignated State New Mexico
Well No. 14 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. [XXX] of N. Line and 1980 ft. [XXX] of E. Line of Section 13 Elevation 3741'
(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 _____

Date August 7, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling June 23, 1959 Finished drilling July 25, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2114' to 2119' No. 4, from _____ to _____
No. 2, from 2124' to 2130' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 345' to 355' No. 3, from 1875' to 1885'
No. 2, from 390' to 394' 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-	
10 3/4"	32.75#	8rd	Used	415'	Regular	415'			Salt String
8 5/8"	28#	8rd	Used	1976'	Pattern				Water String
7"	20 & 23#	8rd	Used	2123'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	415'	None	Obtained formation shut-off		
8 5/8"	1976'	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2124'	150	" "	"	

NOTE: Plugged back from TD 2637 to 2150' w/87 sacks cement.

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCL	500 gals.	8-1-59	2124-2150'	
		Crude Oil	52,710 gals.	"	" "	
		Ottawa Sand	180,000 lbs.	"	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2637 feet, and from _____ feet to _____ feet

DATES

August 7, 1959 Put to producing August 6, 1959

The production for the first 24 hours was 284 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, 33 °API 35.0

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. G. Crow, Driller E. J. Parish, Driller
G. H. Harris, Driller M. F. Willis, Driller

FORMATION RECORD

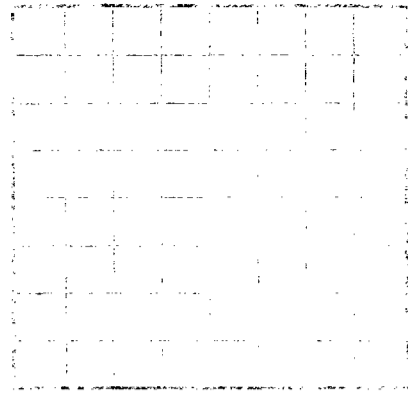
FROM-	TO-	TOTAL FEET	FORMATION
0	5	5	Cellar
5	15	10	Caliche
15	270	255	Sand & shale
270	325	55	Anhy & shale
325	335	10	Gravel
335	400	65	Anhy
400	480	80	Anhy & shale
480	490	10	Anhy
490	927	437	Salt
927	1010	83	Anhy & shale
1010	1110	100	Anhy
1110	1155	45	Red shale
1155	1195	40	Anhy
1195	1255	60	Anhy & shale
1255	1670	415	Anhy
1670	1705	35	Anhy & shale
1705	1875	170	Anhy
1875	1895	20	Red sand
1895	1955	60	Anhy
1955	1950	55	Silt
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Lime
2039	2095	56	Anhy & shale

AT THE END OF COMPLETE DRILL LOG, ATTACH LOGGING TOPS. STATE WHETHER FROM EL OR SAMPLES.

LOG OF OIL OR GAS WELL

**GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES**

U.S. Geological Survey
Bureau of Petroleum
Washington, D.C.
1928



The information given herein is a complete and correct record of the well and all work done thereon. It is to be determined from its available records.

August 1, 1928
Little Blaine, Minnesota
Signature: R. L. Howard

OIL OR GAS WELLS OR SONES

Well No.	Date	Producing	Location
2121			
2122			
2123			
2124			
2125			

CRUISING RECORD

TO OF THE... If there or bridges were put in... 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.

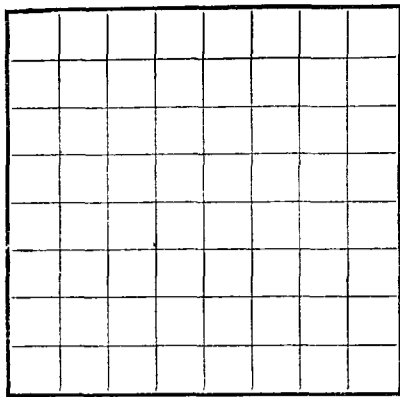
HISTORY OF OIL OR GAS WELL

10-45004-2 U.S. GOVERNMENT PRINTING OFFICE: 1927

DATE	DESCRIPTION OF WORK	DEPTH	FORMATION	REMARKS
Aug 1, 1928	Coring	0	Gravel	...
		10	Sand & shale	...
		20	Gravel	...
		30	Sand & shale	...
		40	White lime	...
		50	Sand & shale	...
		60	Lime & shale	...
		70	Sand & shale	...
		80	Lime & shale	...
		90	Sand & shale	...
		100	Gravel	...
		110	Sand & shale	...
		120	Gravel	...
		130	Sand & shale	...
		140	Gravel	...
		150	Sand & shale	...
		160	Gravel	...
		170	Sand & shale	...
		180	Gravel	...
		190	Sand & shale	...
		200	Gravel	...
		210	Sand & shale	...
		220	Gravel	...
		230	Sand & shale	...
		240	Gravel	...
		250	Sand & shale	...
		260	Gravel	...
		270	Sand & shale	...
		280	Gravel	...
		290	Sand & shale	...
		300	Gravel	...
		310	Sand & shale	...
		320	Gravel	...
		330	Sand & shale	...
		340	Gravel	...
		350	Sand & shale	...
		360	Gravel	...
		370	Sand & shale	...
		380	Gravel	...
		390	Sand & shale	...
		400	Gravel	...
		410	Sand & shale	...
		420	Gravel	...
		430	Sand & shale	...
		440	Gravel	...
		450	Sand & shale	...
		460	Gravel	...
		470	Sand & shale	...
		480	Gravel	...
		490	Sand & shale	...
		500	Gravel	...

FORMATION RECORD—Continued

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Undesignated State New Mexico
Well No. 19 Sec. 12 T. 16SR R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$ of S Line and 1980 ft. $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$ of E Line of Section 12 Elevation 3738'
(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 _____
Date September 15, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling August 8, 1959 Finished drilling September 6, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2081' to 2106' 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 360' to 373' No. 3, from _____ to _____
No. 2, from 1850' to 1860' 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—	
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1926'	Texas Pattern	1929'			Water String
7"	23#	8rd	Used	2075'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	420'	None	Obtained formation shut-off		
8 5/8"	1929'	None	Pump & Plug	Heavy	30 sacks Aquagel
7"	2077'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATIONS RECORD

Size	Shell used	Materials used	Quantity	Date	Depth created	Depth cleaned out
		20% HCl	500 gals.	9-7-59	2077-2106'	
		Crude Oil	61,866 gals.	" "	" "	
		Ottawa Sand	200,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2106 feet, and from _____ feet to _____ feet

DATES

September 15, 19____ Put to producing September 13, 1959

The production for the first 24 hours was 433 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 50.0 °API 35.0°

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

Rock pressure, lbs. per sq. in. _____

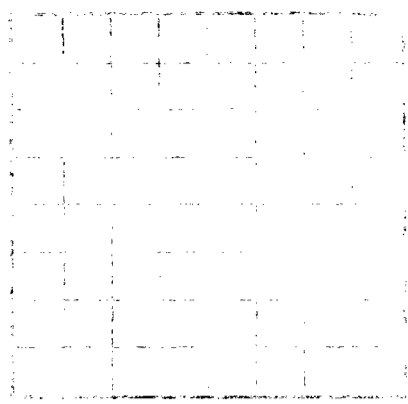
EMPLOYEES

M. H. Crabb, Driller G. H. Harris, Driller
J. C. Crow, Driller E. J. Parish, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Red clay
45	225	180	Red shale
225	240	15	Gravel
240	295	55	Red shale
295	340	45	Broken anhy
340	360	20	Anhy
360	373	13	Sand
373	380	7	Red shale & gyp
380	420	40	Sandy shale
420	450	30	Anhy & shale
450	465	15	Red shale
465	478	13	Anhy
478	490	12	Anhy & gyp
490	500	10	Shale
500	908	408	Salt
908	925	17	Anhy
925	985	60	Anhy & shale
985	995	10	Salt
995	1090	95	Anhy
1090	1110	20	Red shale
1110	1240	130	Anhy & shale
1240	1600	360	Anhy
1600	1635	35	Broken anhy
1635	1675	40	Sandy shale
1675	1850	175	Anhy
1850	1860	10	Red sand

THIS IS A COMPLETE DRILLER'S LOG AND SHOULD BE FILED IN THE STATE ARCHIVES FOR PERMANENT PRESERVATION OF THE RECORDS.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company: General American Oil Co., P.O. Box 126, Lusk, Wyo.
 Location: T. 18N. R. 10E. S. 20E., 1/4 sec. 36, Lusk, Wyo.
 The location given is a complete and correct record of the well and all work done thereon.
 It is to be determined from a study of the log that the well is a gas well.

The following information is given for the purpose of identifying the well:
 Name of well: ...
 Date of completion: ...
 Name of operator: ...

This is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrills, 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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. Holes or bridges were put in the test for water, state fully, and results of pumping or pumping.

HISTORY OF OIL OR GAS WELL

DATE	DEPTH (FEET)	FORMATION	REMARKS
1860	10	Red sand	...
1860	15	...	...
1860	20	...	...
1860	25	...	...
1860	30	...	...
1860	35	...	...
1860	40	...	...
1860	45	...	...
1860	50	...	...
1860	55	...	...
1860	60	...	...
1860	65	...	...
1860	70	...	...
1860	75	...	...
1860	80	...	...
1860	85	...	...
1860	90	...	...
1860	95	...	...
1860	100	...	...
1860	105	...	...
1860	110	...	...
1860	115	...	...
1860	120	...	...
1860	125	...	...
1860	130	...	...
1860	135	...	...
1860	140	...	...
1860	145	...	...
1860	150	...	...
1860	155	...	...
1860	160	...	...
1860	165	...	...
1860	170	...	...
1860	175	...	...
1860	180	...	...
1860	185	...	...
1860	190	...	...
1860	195	...	...
1860	200	...	...
1860	205	...	...
1860	210	...	...
1860	215	...	...
1860	220	...	...
1860	225	...	...
1860	230	...	...
1860	235	...	...
1860	240	...	...
1860	245	...	...
1860	250	...	...
1860	255	...	...
1860	260	...	...
1860	265	...	...
1860	270	...	...
1860	275	...	...
1860	280	...	...
1860	285	...	...
1860	290	...	...
1860	295	...	...
1860	300	...	...
1860	305	...	...
1860	310	...	...
1860	315	...	...
1860	320	...	...
1860	325	...	...
1860	330	...	...
1860	335	...	...
1860	340	...	...
1860	345	...	...
1860	350	...	...
1860	355	...	...
1860	360	...	...
1860	365	...	...
1860	370	...	...
1860	375	...	...
1860	380	...	...
1860	385	...	...
1860	390	...	...
1860	395	...	...
1860	400	...	...
1860	405	...	...
1860	410	...	...
1860	415	...	...
1860	420	...	...
1860	425	...	...
1860	430	...	...
1860	435	...	...
1860	440	...	...
1860	445	...	...
1860	450	...	...
1860	455	...	...
1860	460	...	...
1860	465	...	...
1860	470	...	...
1860	475	...	...
1860	480	...	...
1860	485	...	...
1860	490	...	...
1860	495	...	...
1860	500	...	...
1860	505	...	...
1860	510	...	...
1860	515	...	...
1860	520	...	...
1860	525	...	...
1860	530	...	...
1860	535	...	...
1860	540	...	...
1860	545	...	...
1860	550	...	...
1860	555	...	...
1860	560	...	...
1860	565	...	...
1860	570	...	...
1860	575	...	...
1860	580	...	...
1860	585	...	...
1860	590	...	...
1860	595	...	...
1860	600	...	...
1860	605	...	...
1860	610	...	...
1860	615	...	...
1860	620	...	...
1860	625	...	...
1860	630	...	...
1860	635	...	...
1860	640	...	...
1860	645	...	...
1860	650	...	...
1860	655	...	...
1860	660	...	...
1860	665	...	...
1860	670	...	...
1860	675	...	...
1860	680	...	...
1860	685	...	...
1860	690	...	...
1860	695	...	...
1860	700	...	...
1860	705	...	...
1860	710	...	...
1860	715	...	...
1860	720	...	...
1860	725	...	...
1860	730	...	...
1860	735	...	...
1860	740	...	...
1860	745	...	...
1860	750	...	...
1860	755	...	...
1860	760	...	...
1860	765	...	...
1860	770	...	...
1860	775	...	...
1860	780	...	...
1860	785	...	...
1860	790	...	...
1860	795	...	...
1860	800	...	...
1860	805	...	...
1860	810	...	...
1860	815	...	...
1860	820	...	...
1860	825	...	...
1860	830	...	...
1860	835	...	...
1860	840	...	...
1860	845	...	...
1860	850	...	...
1860	855	...	...
1860	860	...	...
1860	865	...	...
1860	870	...	...
1860	875	...	...
1860	880	...	...
1860	885	...	...
1860	890	...	...
1860	895	...	...
1860	900	...	...
1860	905	...	...
1860	910	...	...
1860	915	...	...
1860	920	...	...
1860	925	...	...
1860	930	...	...
1860	935	...	...
1860	940	...	...
1860	945	...	...
1860	950	...	...
1860	955	...	...
1860	960	...	...
1860	965	...	...
1860	970	...	...
1860	975	...	...
1860	980	...	...
1860	985	...	...
1860	990	...	...
1860	995	...	...
1860	1000	...	...

FORMATION RECORD—Continued

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 067610-A
LEASE OR PERMIT TO PROSPECT _____
Bosworth

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 P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Bosworth Field High Lonesome State New Mexico
Well No. 4 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 990 ft. ^[N.] of S Line and 990 ft. ^[W.] of E Line of Section 14 Elevation 3717'
(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 _____
Date February 8, 1960 Title R. J. Heard District Superintendent

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

Commenced drilling December 24, 1959 Finished drilling January 14, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1365' to 1368' (G) No. 4, from _____ to _____
No. 2, from 2060' to 2076' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 455' to 460' 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-	
10 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>381'</u>	<u>Regular</u>	<u>381'</u>			<u>Surface String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>920'</u>	<u>Pattern</u>	<u>923'</u>			<u>Water String</u>
7" <u>20.2 23#</u>		<u>8rd</u>	<u>Used</u>	<u>1071'</u>	<u>Pattern</u>	<u>1873'</u>			<u>Water String</u>
5 <u>1/2"</u>	<u>14#</u>	<u>8rd</u>	<u>New</u>	<u>2047'</u>	<u>Guide</u>				<u>Prod. String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 <u>3/4"</u>	<u>381'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>923'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
7" <u>1873'</u>		<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>
5 <u>1/2"</u>	<u>2050'</u>	<u>150 + 50</u>	<u>" "</u>		

PLUGS AND ADAPTERS

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

STIMULATION ~~RECORD~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth created	Depth cleaned out
		<u>20% HCl</u>	<u>500 gals.</u>	<u>1-20-60</u>	<u>2050-2079'</u>	
		<u>Crude Oil</u>	<u>53,634 "</u>	<u>" "</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>280,000 lbs.</u>	<u>" "</u>	<u>" "</u>	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2079 feet, and from _____ feet to _____ feet

DATES

February 8, 1960 Put to producing January 26, 1960

The production for the first 24 hours was 92 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 88.3 °API 35.0°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. G. Crow, Driller G. H. Harris, Driller
E. T. Haney, Driller J. E. Wilcox, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	15	15	Caliche
15	280	265	Red shale
280	335	55	Red shale & anhy
335	375	40	Red shale
375	377	2	Anhy
377	381	4	SLM
381	395	14	Red shale
395	405	10	Anhy
405	440	35	Red shale
440	460	20	Red shale & anhy
460	888	428	Salt
888	925	37	Anhy
925	938	13	Shale & anhy
938	1062	124	Anhy
1062	1100	38	Red shale
1100	1187	87	Red shale & anhy
1187	1250	63	Anhy
1250	1305	55	Anhy & shale
1305	1576	271	Anhy
1576	1750	174	Anhy & shale
1750	1875	75	Anhy
1825	1849	24	Red sand
1849	1900	51	Anhy
1900	1915	15	Anhy & shale
1915	1996	81	Anhy
1996	2016	20	Anhy & shale

AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC TOPS, STATE WHETHER FROM EL OR SAMPLES.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF GEOLOGICAL SURVEY

HISTORY OF OIL OR GAS WELL

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 balling.

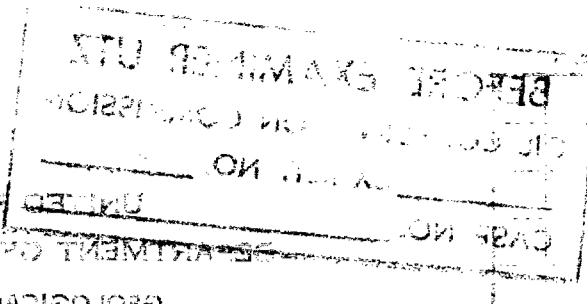
HISTORY OF OIL OR GAS WELL

10-48004-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
2016	2052	36	Any
2052	2076	24	Sand
2076	2079	3	Sand & any

FORMATION RECORD—Continued

REGARDING STATEMENT OF WORK FOR THIS WELL, SEE REPORT OF THE BUREAU OF GEOLOGICAL SURVEY, WASHINGTON, D. C., 1914, P. 10.



U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Name: American Oil Co., 215 Texas Avenue, P. O. Box 416, Leno Hill, N. M.
 Location: Underslated, State of New Mexico
 Well No.: 12345
 Section: 12, Township: 12N, Range: 12E
 The information given below is a complete and correct record of the well and all work done thereon.
 The date of completion of the well is given below.

DATE	DEPTH (FEET)	FORMATION	REMARKS
1938	0	Surface	Well started
1938	10	Red shale	Drilled
1938	20	Red shale	Drilled
1938	30	Red shale	Drilled
1938	40	Red shale	Drilled
1938	50	Red shale	Drilled
1938	60	Red shale	Drilled
1938	70	Red shale	Drilled
1938	80	Red shale	Drilled
1938	90	Red shale	Drilled
1938	100	Red shale	Drilled
1938	110	Red shale	Drilled
1938	120	Red shale	Drilled
1938	130	Red shale	Drilled
1938	140	Red shale	Drilled
1938	150	Red shale	Drilled
1938	160	Red shale	Drilled
1938	170	Red shale	Drilled
1938	180	Red shale	Drilled
1938	190	Red shale	Drilled
1938	200	Red shale	Drilled
1938	210	Red shale	Drilled
1938	220	Red shale	Drilled
1938	230	Red shale	Drilled
1938	240	Red shale	Drilled
1938	250	Red shale	Drilled
1938	260	Red shale	Drilled
1938	270	Red shale	Drilled
1938	280	Red shale	Drilled
1938	290	Red shale	Drilled
1938	300	Red shale	Drilled
1938	310	Red shale	Drilled
1938	320	Red shale	Drilled
1938	330	Red shale	Drilled
1938	340	Red shale	Drilled
1938	350	Red shale	Drilled
1938	360	Red shale	Drilled
1938	370	Red shale	Drilled
1938	380	Red shale	Drilled
1938	390	Red shale	Drilled
1938	400	Red shale	Drilled
1938	410	Red shale	Drilled
1938	420	Red shale	Drilled
1938	430	Red shale	Drilled
1938	440	Red shale	Drilled
1938	450	Red shale	Drilled
1938	460	Red shale	Drilled
1938	470	Red shale	Drilled
1938	480	Red shale	Drilled
1938	490	Red shale	Drilled
1938	500	Red shale	Drilled
1938	510	Red shale	Drilled
1938	520	Red shale	Drilled
1938	530	Red shale	Drilled
1938	540	Red shale	Drilled
1938	550	Red shale	Drilled
1938	560	Red shale	Drilled
1938	570	Red shale	Drilled
1938	580	Red shale	Drilled
1938	590	Red shale	Drilled
1938	600	Red shale	Drilled
1938	610	Red shale	Drilled
1938	620	Red shale	Drilled
1938	630	Red shale	Drilled
1938	640	Red shale	Drilled
1938	650	Red shale	Drilled
1938	660	Red shale	Drilled
1938	670	Red shale	Drilled
1938	680	Red shale	Drilled
1938	690	Red shale	Drilled
1938	700	Red shale	Drilled
1938	710	Red shale	Drilled
1938	720	Red shale	Drilled
1938	730	Red shale	Drilled
1938	740	Red shale	Drilled
1938	750	Red shale	Drilled
1938	760	Red shale	Drilled
1938	770	Red shale	Drilled
1938	780	Red shale	Drilled
1938	790	Red shale	Drilled
1938	800	Red shale	Drilled
1938	810	Red shale	Drilled
1938	820	Red shale	Drilled
1938	830	Red shale	Drilled
1938	840	Red shale	Drilled
1938	850	Red shale	Drilled
1938	860	Red shale	Drilled
1938	870	Red shale	Drilled
1938	880	Red shale	Drilled
1938	890	Red shale	Drilled
1938	900	Red shale	Drilled
1938	910	Red shale	Drilled
1938	920	Red shale	Drilled
1938	930	Red shale	Drilled
1938	940	Red shale	Drilled
1938	950	Red shale	Drilled
1938	960	Red shale	Drilled
1938	970	Red shale	Drilled
1938	980	Red shale	Drilled
1938	990	Red shale	Drilled
1938	1000	Red shale	Drilled

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 attached, or left in the well, give its size and location. If the well has been abandoned, give date, position, and number of shots. If plugs or bridges were put in to test for water state kind or material used, position, and results of pumping or burning.

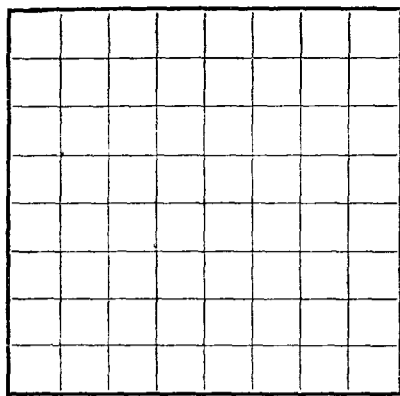
HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

DEPTH (FEET)	FORMATION	REMARKS	DATE
0	Surface	Well started	1938
10	Red shale	Drilled	1938
20	Red shale	Drilled	1938
30	Red shale	Drilled	1938
40	Red shale	Drilled	1938
50	Red shale	Drilled	1938
60	Red shale	Drilled	1938
70	Red shale	Drilled	1938
80	Red shale	Drilled	1938
90	Red shale	Drilled	1938
100	Red shale	Drilled	1938
110	Red shale	Drilled	1938
120	Red shale	Drilled	1938
130	Red shale	Drilled	1938
140	Red shale	Drilled	1938
150	Red shale	Drilled	1938
160	Red shale	Drilled	1938
170	Red shale	Drilled	1938
180	Red shale	Drilled	1938
190	Red shale	Drilled	1938
200	Red shale	Drilled	1938
210	Red shale	Drilled	1938
220	Red shale	Drilled	1938
230	Red shale	Drilled	1938
240	Red shale	Drilled	1938
250	Red shale	Drilled	1938
260	Red shale	Drilled	1938
270	Red shale	Drilled	1938
280	Red shale	Drilled	1938
290	Red shale	Drilled	1938
300	Red shale	Drilled	1938
310	Red shale	Drilled	1938
320	Red shale	Drilled	1938
330	Red shale	Drilled	1938
340	Red shale	Drilled	1938
350	Red shale	Drilled	1938
360	Red shale	Drilled	1938
370	Red shale	Drilled	1938
380	Red shale	Drilled	1938
390	Red shale	Drilled	1938
400	Red shale	Drilled	1938
410	Red shale	Drilled	1938
420	Red shale	Drilled	1938
430	Red shale	Drilled	1938
440	Red shale	Drilled	1938
450	Red shale	Drilled	1938
460	Red shale	Drilled	1938
470	Red shale	Drilled	1938
480	Red shale	Drilled	1938
490	Red shale	Drilled	1938
500	Red shale	Drilled	1938
510	Red shale	Drilled	1938
520	Red shale	Drilled	1938
530	Red shale	Drilled	1938
540	Red shale	Drilled	1938
550	Red shale	Drilled	1938
560	Red shale	Drilled	1938
570	Red shale	Drilled	1938
580	Red shale	Drilled	1938
590	Red shale	Drilled	1938
600	Red shale	Drilled	1938
610	Red shale	Drilled	1938
620	Red shale	Drilled	1938
630	Red shale	Drilled	1938
640	Red shale	Drilled	1938
650	Red shale	Drilled	1938
660	Red shale	Drilled	1938
670	Red shale	Drilled	1938
680	Red shale	Drilled	1938
690	Red shale	Drilled	1938
700	Red shale	Drilled	1938
710	Red shale	Drilled	1938
720	Red shale	Drilled	1938
730	Red shale	Drilled	1938
740	Red shale	Drilled	1938
750	Red shale	Drilled	1938
760	Red shale	Drilled	1938
770	Red shale	Drilled	1938
780	Red shale	Drilled	1938
790	Red shale	Drilled	1938
800	Red shale	Drilled	1938
810	Red shale	Drilled	1938
820	Red shale	Drilled	1938
830	Red shale	Drilled	1938
840	Red shale	Drilled	1938
850	Red shale	Drilled	1938
860	Red shale	Drilled	1938
870	Red shale	Drilled	1938
880	Red shale	Drilled	1938
890	Red shale	Drilled	1938
900	Red shale	Drilled	1938
910	Red shale	Drilled	1938
920	Red shale	Drilled	1938
930	Red shale	Drilled	1938
940	Red shale	Drilled	1938
950	Red shale	Drilled	1938
960	Red shale	Drilled	1938
970	Red shale	Drilled	1938
980	Red shale	Drilled	1938
990	Red shale	Drilled	1938
1000	Red shale	Drilled	1938

FORMATION RECORD—Continued

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 23 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1980 ft. E. of W. Line of Section 14 Elevation 3704'
(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 R. J. Heard
Date December 9, 1959 Title District Superintendent

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

Commenced drilling October 20, 1959 Finished drilling November 16, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2025' to 2040' 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 296' to 299' No. 3, from _____ to _____
No. 2, from 1792' to 1815' 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 -	
10 3/4"	52.75#	8rd	Used	382'	Regular				Salt String
8 5/8"	25#	8rd	Used	1989'	Pattern				Water String
7"	20 & 23#	8rd	Used	2022'	Pattern				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	382'	None	Obtained formation shut-off		
8 5/8"	1839'	None	Pump & Plug	Heavy	15 sacks Aquagel
7"	2024'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	11-18-59	2024-2046'	
		Crude Oil	69,258 gals.	"	"	
		Ottawa Sand	240,000 lbs.	"	"	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 2046 feet, and from _____ feet to _____ feet

DATES

December 9, 1959 Put to producing December 9, 1959

The production for the first 24 hours was 40 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 34 °API 35.00°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. C. Crooks, Driller G. H. Harris, Driller
J. S. Dennis, Driller J. E. Wilcox, Driller

FORMATION RECORD

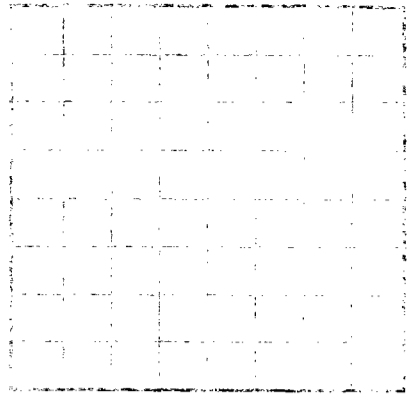
FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Caliche
10	250	240	Red sand and shale
250	260	10	Gravel
260	325	65	Anhy
325	372	47	Red shale
372	382	10	Anhy
382	410	28	Red shale
410	450	40	Anhy and shale
450	855	405	Salt
855	900	45	Anhy and shale
900	974	74	Anhy
974	999	25	Anhy and lime
999	1025	26	Anhy
1025	1152	127	Anhy and red shale
1152	1415	263	Anhy
1415	1420	5	Anhy and shale
1420	1438	18	Lime
1438	1604	166	Anhy
1604	1625	21	Red sandy shale
1625	1792	167	Anhy
1792	1815	23	Red shale
1815	1835	20	Anhy
1835	1843	8	Lime
1843	1845	2	Anhy
1845	1839	-6	SLM
1839	1890	51	Anhy

AT THE END OF COMPLETE DRILLING LOG, CHECK OFF COMPLETE DRILLING

U. S. GEOLOGICAL SURVEY
 DEPARTMENT OF THE INTERIOR
 BUREAU OF GEOTECHNICAL ENGINEERING
 WASHINGTON, D. C.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company name, address, and location details. The information given here is a complete and correct record of the well and all work done thereon. The information is to be retained in a permanent file.

The summary on this page is for the use of the well owner and others.

General direction, location, and other details of the well.

General direction, location, and other details of the well.

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General direction, location, and other details of the well.

General direction, location, and other details of the well.

General direction, location, and other details of the well.

FORMATION	TOTAL FEET	DATE	REMARKS
Any and red shale	26	1916	
Any	30	1916	
Any and shale	59	2005	
Any and sandy lime	20	2025	
Sand	21	2016	
Any and red shale	26	1916	
Any	30	1916	
Any and shale	59	2005	
Any and sandy lime	20	2025	
Sand	21	2016	
Any and red shale	26	1916	
Any	30	1916	
Any and shale	59	2005	
Any and sandy lime	20	2025	
Sand	21	2016	

FORMATION RECORD—Continued

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrills, 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 "struck" 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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or falling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

10-18004-2

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10-18004-2

U. S. GOVERNMENT PRINTING OFFICE

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10-18004-2

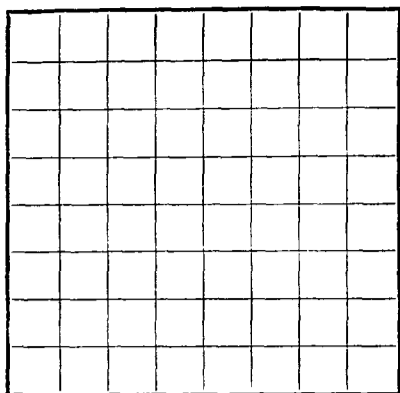
U. S. GOVERNMENT PRINTING OFFICE

10-18004-2

U. S. GOVERNMENT PRINTING OFFICE

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.

Lessor or Tract Brewer Field High Lonasome State New Mexico

Well No. 26 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 660 ft. N. of S. Line and 990 ft. W. of E. Line of Section 12 Elevation 3744'
(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 _____

Date January 14, 1960 Title R. J. Heard District Superintendent

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

Commenced drilling November 23, 59 Finished drilling December 19, 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2103' to 2113' 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 335' to 341' No. 3, from _____ to _____

No. 2, from 1867' to 1885' 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—	
10 3/4"	92.75#	8rd	Used	415'	Regular	415'			Salt String
8 5/8"	28#	8rd	Used	2002'	Pattern	1995'			Water String
7"	23#	8rd	Used	2097'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	415'	None	Obtained formation shut-off		
8 5/8"	2002'	None	Pump & Plug	Heavy	15 sacks Gel
7"	2098'	150	" "	"	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

STIMULATION ~~SHOCKING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	12-20-59	2098-2116'	
		Crude Oil	60,359 gals.	" "	" "	
		Ottawa Sand	240,000 lbs.	" "	" "	

TOOLS USED

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

Cable tools were used from _____ feet to 2116 feet, and from _____ feet to _____ feet

DATES

January 14, 19 60 Put to producing December 25, 19 59

The production for the first 24 hours was 568 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, 93.0

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. O. Gaffey, Driller J. G. Crow, Driller

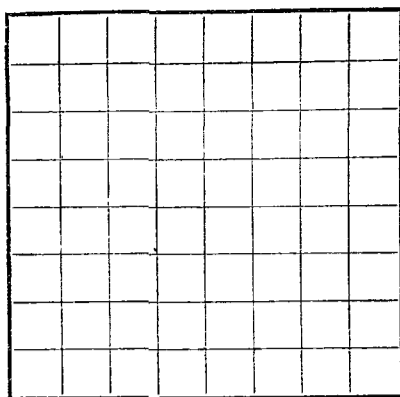
D. G. Crooks, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Sand and red shale
15	330	315	Red shale
330	335	5	Crevice
335	341	6	Sand
341	390	49	Anhy
390	410	20	Red shale
410	415	5	Anhy
415	420	5	Anhy and shale
420	440	20	Red shale
440	490	50	Anhy and shale
490	945	455	Salt
945	995	50	Anhy and shale
995	1065	70	Anhy
1065	1240	175	Anhy and shale
1240	1660	420	Anhy
1660	1695	35	Anhy and red shale
1695	1867	172	Anhy
1867	1885	18	Red sand
1885	1917	32	Anhy
1917	1928	11	Lime
1928	1935	7	Anhy & lime
1935	1929	-6	SLM
1929	2033	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

AT THE END OF EACH DRILLER'S LOG, ADD GEOPHONE TAP STATE WHETHER FROM 2L OR SAMPLES.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, New Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1977 ft. E. of W. Line of Section 12 Elevation 3733'
(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 _____
Date August 12, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling July 6, 1959 Finished drilling August 4, 1959

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

No. 1, from 2060' to 2087' 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 330' to 340' No. 3, from _____ to _____
No. 2, from 1845' to 1865' 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—	
10 3/4"	32.75#	8rd	Used	1977'	Regular				Test String
8 5/8"	25#	8rd	Used	1936'	Patterson				Water String
7"	20#	8rd	Pittsburg	2057'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	416'	None	Obtained formation shut-off		
8 5/8"	1938'	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2060'	150	" "	" "	

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials	Quantity	Date	Depth set treated	Depth cleaned out
		20% HCl	500 gals.	8-5-59	2060-2090'	
		Crude Oil	64,218 gals.	" "	" "	
		Ottawa Sand	205,000 lbs.	" "	" "	

TOOLS USED

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

DATES

August 12, 1959 Put to producing August 11, 1959.

The production for the first 24 hours was 312 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 86° API 35.0°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Truman Jacobs, Driller Charley Powell, Driller
Al Luke, Driller Bill Walker, Driller

FORMATION RECORD

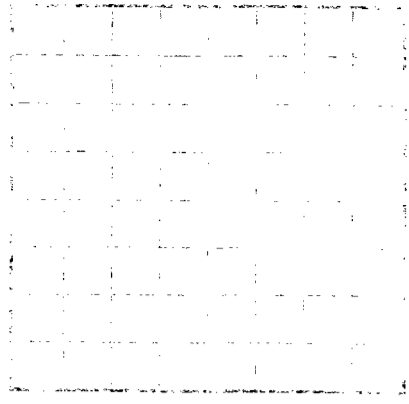
FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Sand
5	15	10	Caliche
15	230	215	Sand & shale
230	330	100	Anhy
330	340	10	Sand
340	447	107	Shale & anhy
447	480	33	Anhy
480	975	495	Salt
975	1080	105	Anhy
1080	1115	35	Sand shale
1115	1130	15	Anhy
1130	1295	165	Anhy & shale
1295	1610	315	Anhy
1610	1630	20	Brown sand
1630	1635	5	Anhy
1635	1660	25	Salt
1660	1845	185	Anhy
1845	1865	20	Red sand
1865	1929	64	Anhy
1929	1938	9	Anhy & shale
1938	1943	5	Line
1942	1938	4	SLM
1938	1949	11	Line
1949	1971	22	Anhy
1971	1976	5	Sand
1976	2000	24	Anhy

AT THE END OF COMPLETE DRI LOG...

U.S. Geological Survey
 Department of the Interior
 Washington, D.C.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



The information on this page is for the condition of the well as of the date shown on the log. It is not intended to be a permanent record of the well and should be corrected as soon as possible. The information on this page is for the condition of the well as of the date shown on the log. It is not intended to be a permanent record of the well and should be corrected as soon as possible.

WELL IDENTIFICATION
 Name of well: _____
 Location: _____
 State: _____
 County: _____
 Township: _____
 Range: _____
 Section: _____

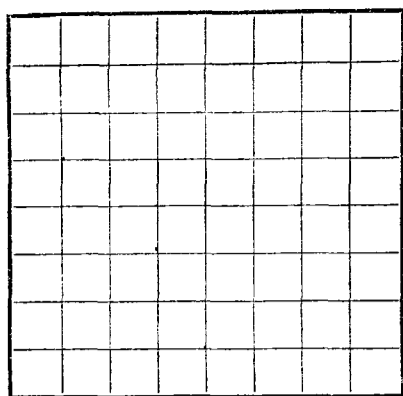
WELL RECORD
 Date of completion: _____
 Depth: _____
 Casing: _____
 Tubing: _____

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrills, 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 pulling.

DATE	DESCRIPTION	DEPTH (FEET)	REMARKS
2000	Drill & red beds	40	
2001	Drill	41	
2002	Drill	42	
2003	Drill	43	
2004	Drill	44	
2005	Drill	45	
2006	Drill	46	
2007	Drill	47	
2008	Drill	48	
2009	Drill	49	
2010	Drill	50	
2011	Drill	51	
2012	Drill	52	
2013	Drill	53	
2014	Drill	54	
2015	Drill	55	
2016	Drill	56	
2017	Drill	57	
2018	Drill	58	
2019	Drill	59	
2020	Drill	60	
2021	Drill	61	
2022	Drill	62	
2023	Drill	63	
2024	Drill	64	
2025	Drill	65	
2026	Drill	66	
2027	Drill	67	
2028	Drill	68	
2029	Drill	69	
2030	Drill	70	
2031	Drill	71	
2032	Drill	72	
2033	Drill	73	
2034	Drill	74	
2035	Drill	75	
2036	Drill	76	
2037	Drill	77	
2038	Drill	78	
2039	Drill	79	
2040	Drill	80	
2041	Drill	81	
2042	Drill	82	
2043	Drill	83	
2044	Drill	84	
2045	Drill	85	
2046	Drill	86	
2047	Drill	87	
2048	Drill	88	
2049	Drill	89	
2050	Drill	90	
2051	Drill	91	
2052	Drill	92	
2053	Drill	93	
2054	Drill	94	
2055	Drill	95	
2056	Drill	96	
2057	Drill	97	
2058	Drill	98	
2059	Drill	99	
2060	Drill	100	
2061	Drill	101	
2062	Drill	102	
2063	Drill	103	
2064	Drill	104	
2065	Drill	105	
2066	Drill	106	
2067	Drill	107	
2068	Drill	108	
2069	Drill	109	
2070	Drill	110	
2071	Drill	111	
2072	Drill	112	
2073	Drill	113	
2074	Drill	114	
2075	Drill	115	
2076	Drill	116	
2077	Drill	117	
2078	Drill	118	
2079	Drill	119	
2080	Drill	120	
2081	Drill	121	
2082	Drill	122	
2083	Drill	123	
2084	Drill	124	
2085	Drill	125	
2086	Drill	126	
2087	Drill	127	
2088	Drill	128	
2089	Drill	129	
2090	Drill	130	
2091	Drill	131	
2092	Drill	132	
2093	Drill	133	
2094	Drill	134	
2095	Drill	135	
2096	Drill	136	
2097	Drill	137	
2098	Drill	138	
2099	Drill	139	
2100	Drill	140	

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 21 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. XXX of N Line and 660 ft. XXX of W Line of Section 14 Elevation 3711'
(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 _____

Date November 3, 1959 Title B. J. Heard District Superintendent

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

Commenced drilling September 15, 1959 Finished drilling October 7, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1992' to 2020' 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 297' to 305' No. 3, from _____ to _____
No. 2, from 1770' to 1787' 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--	
10 3/4"	32.75#	8rd	Used	410'	Regular	415'			Salt String
7"	20.25#	8rd	Used	1806'	Pattern	1731'			Water String
5 1/2"	14#	8rd	Used	1990'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	415'	None	Obtained formation shut-off		
7"	1807'	None	Pump & Plug	Heavy	30 sacks
5 1/2"	1991'	150 (Around Shoe)	" "		
		50 (390-299')			

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		20% HCl	500 gals.	10-8-59	1991-2022'	
		Grude Oil	80,262 gals.	" "	" "	
		Ottawa Sand	240,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 2022 feet, and from _____ feet to _____ feet

DATES

November 3, 1959 Put to producing October 25, 1959
The production for the first 24 hours was 61 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, XXX API 390
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

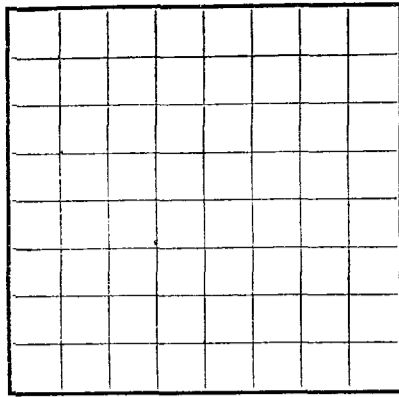
D. G. Crooks, Driller J. E. Wilcox, Driller
L. P. Jennings, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	210	210	Red shale & sand
210	287	77	Red shale
287	315	28	Anhy
315	380	65	Shale & shells
380	420	40	Red shale
420	825	405	Salt
825	860	35	Anhy
860	880	20	Red shale
880	1160	280	Anhy & red shale
1160	1280	120	Anhy
1280	1305	25	Lime
1305	1555	250	Anhy
1555	1568	13	Sand & shale
1568	1770	202	Anhy
1770	1787	17	Red sand
1787	1810	23	Anhy
1810	1807	-3	SLM
1807	1938	131	Anhy
1938	1987	49	Anhy & shale
1987	1992	5	Sandy lime
1992	2022	30	Sand

THE END OF COMPLETE DRILLER'S LOG AND GEOLOGICAL STATE

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Undesignated State New Mexico
Well No. 8 Sec. 11 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. ^[N.] of S Line and 660 ft. ^[W.] of E Line of Section 11 Elevation 3728'
(Derriek 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 _____
Date April 28, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling March 25, 1959. Finished drilling April 20, 1959.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1332' to 1339' (G) No. 4, from _____ to _____
No. 2, from 2062' to 2083' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1828' to 1851' 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--	
10 3/4"	38.7#	8rd	Used	400'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1869'	Regular	1870'			Water String
7"	23#	8rd	Used	2056'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	400'	None	Obtained formation shut-off		
8 5/8"	1870'	None	Pump & Plug	Heavy	35 Sacks
7"	2059'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials	Quantity	Date	Depth set	Depth cleaned out
		20% HCl	500 gals.	4-21-59	2059-86'	
		Crude Oil	61,824 gals.	" "	" "	
		Ottawa Sand	90,200 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2086 feet, and from _____ feet to _____ feet

DATES

April 28, 1959. Put to producing April 28, 1959.

The production for the first 24 hours was 120 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, XXX °API 36.0

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. C. Crooks, Driller Hollis Gray, Driller
E. W. Farr, Driller Ben Porter, Driller

FORMATION RECORD

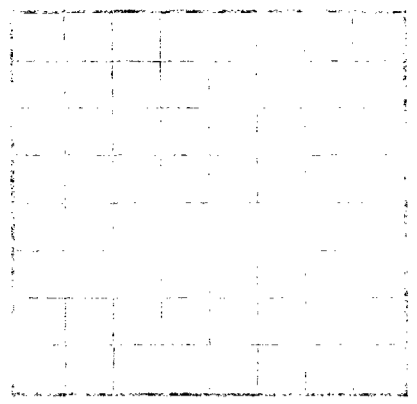
FROM--	TO--	TOTAL FEET	FORMATION
0	10	10	Sand & caliche
10	235	225	Sand & shale
235	314	79	Shale & anhy
314	327	13	Gravel
327	346	19	Gravel & shale
346	358	12	Broken anhy
358	396	38	Red shale
396	481	85	Anhy
481	892	411	Salt
892	1013	121	Anhy
1013	1066	53	Anhy & lime
1066	1073	7	Red shale
1073	1131	58	Anhy
1131	1142	11	Red sand
1142	1196	54	Anhy & shale
1196	1332	136	Anhy
1332	1339	7	Lime
1339	1548	209	Anhy
1548	1551	3	Lime
1551	1620	69	Anhy
1620	1658	38	Anhy & shale
1658	1695	37	Anhy & salt
1695	1828	133	Anhy
1828	1851	23	Red sand
1851	2040	189	Anhy
2040	2049	9	Shale & sand

AT THE END OF COMPLETE DRILLERS LOG, RETURN TO U.S. GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company Name: ...
Location: ...
Date of Log: ...

The summary of the well is given in the above data.
The formation and its thickness are given in the following table.

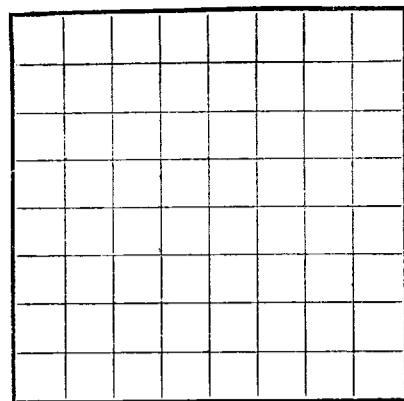
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was abandoned, or left in the well, give its size 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

DEPTH	FORMATION	THICKNESS	REMARKS
0	Surface		
10	Sandstone	10	
20	Shale	10	
30	Sandstone	10	
40	Shale	10	
50	Sandstone	10	
60	Shale	10	
70	Sandstone	10	
80	Shale	10	
90	Sandstone	10	
100	Shale	10	
110	Sandstone	10	
120	Shale	10	
130	Sandstone	10	
140	Shale	10	
150	Sandstone	10	
160	Shale	10	
170	Sandstone	10	
180	Shale	10	
190	Sandstone	10	
200	Shale	10	
210	Sandstone	10	
220	Shale	10	
230	Sandstone	10	
240	Shale	10	
250	Sandstone	10	
260	Shale	10	
270	Sandstone	10	
280	Shale	10	
290	Sandstone	10	
300	Shale	10	
310	Sandstone	10	
320	Shale	10	
330	Sandstone	10	
340	Shale	10	
350	Sandstone	10	
360	Shale	10	
370	Sandstone	10	
380	Shale	10	
390	Sandstone	10	
400	Shale	10	
410	Sandstone	10	
420	Shale	10	
430	Sandstone	10	
440	Shale	10	
450	Sandstone	10	
460	Shale	10	
470	Sandstone	10	
480	Shale	10	
490	Sandstone	10	
500	Shale	10	
510	Sandstone	10	
520	Shale	10	
530	Sandstone	10	
540	Shale	10	
550	Sandstone	10	
560	Shale	10	
570	Sandstone	10	
580	Shale	10	
590	Sandstone	10	
600	Shale	10	
610	Sandstone	10	
620	Shale	10	
630	Sandstone	10	
640	Shale	10	
650	Sandstone	10	
660	Shale	10	
670	Sandstone	10	
680	Shale	10	
690	Sandstone	10	
700	Shale	10	
710	Sandstone	10	
720	Shale	10	
730	Sandstone	10	
740	Shale	10	
750	Sandstone	10	
760	Shale	10	
770	Sandstone	10	
780	Shale	10	
790	Sandstone	10	
800	Shale	10	
810	Sandstone	10	
820	Shale	10	
830	Sandstone	10	
840	Shale	10	
850	Sandstone	10	
860	Shale	10	
870	Sandstone	10	
880	Shale	10	
890	Sandstone	10	
900	Shale	10	
910	Sandstone	10	
920	Shale	10	
930	Sandstone	10	
940	Shale	10	
950	Sandstone	10	
960	Shale	10	
970	Sandstone	10	
980	Shale	10	
990	Sandstone	10	
1000	Shale	10	

FORMATION RECORD—Continued

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO PROSPECT
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **General American Oil Co. of Texas** Address **P. O. Box 416, Loco Hills, N. M.**
Lessor or Tract **Brewer** Field **Undesignated** State **New Mexico**
Well No. **12** Sec. **13** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1980** ft. ^[N.] of **S** Line and **659** ft. ^[E.] of **W** Line of **Section 13** Elevation **3727'**
(Derriok 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 _____
Date **July 10, 1959** Title **R. J. Heard District Superintendent**

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

Commenced drilling **June 3**, 1959. Finished drilling **June 27**, 1959.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1365'** to **1370' (g)** No. 4, from _____ to _____
No. 2, from **2108'** to **2130'** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **352'** to **360'** No. 3, from _____ to _____
No. 2, from **1867'** to **1877'** 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—	
10 3/4"	32.75#	8rd	Used	400'	Regular	402'			Salt String
8 5/8"	28#	8rd	Used	1950'	Patent	1951'			Water String
7"	23 & 24#	8rd & 10V	Used	2102'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	402	None	Obtained formation shut-off		
8 5/8"	1951	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2105	200	" "		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	6-29-59	2105-2134'	
		Crude Oil	58,716 gals.	" "	" "	
		Ottawa Sand	173,000#	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **2134** feet, and from _____ feet to _____ feet

DATES

Put to producing **July 7**, 1959
The production for the first 24 hours was **96** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment.
Gravity, **API 35.0**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E. W. Farr, Driller **Ben Porter**, Driller
E. T. Haney, Driller _____, Driller

FORMATION RECORD

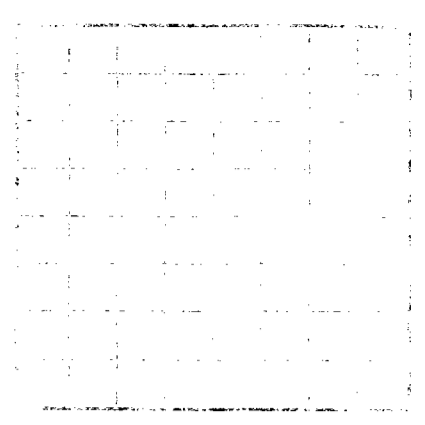
FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Red shale
260	360	100	Anhy
360	450	90	Red shale
450	495	45	Anhy
495	915	420	Salt
915	1046	131	Anhy
1046	1085	39	Lime
1085	1224	139	Anhy & shale
1224	1250	26	Lime
1250	1310	60	Anhy
1310	1332	22	Lime
1332	1663	331	Anhy
1663	1668	5	Red shale
1668	1867	199	Anhy
1867	1877	10	Red sand
1877	1942	65	Anhy
1942	1951	9	Anhy & shale
1951	1956	5	Lime
1956	1961	5	Anhy & shale
1961	2090	129	Anhy
2090	2095	5	Sand
2095	2100	5	Sandy lime
2100	2123	23	Sand
2123	2134	11	Sand & anhy

AT THE END OF COMPLETE DRILLER'S LOG, ATTACH THIS DATE

U.S. LAND OFFICE
Serial Number
Date on hand to Government

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company, operator, and other pertinent information
Locality, including township and range, section, and well location
Name of well and type of well (oil or gas)
Date of completion of well
Name of driller or contractor

The primary purpose of this report is to provide a complete record of the well from the surface to the bottom of the hole. The information given here is intended to be a permanent record of the well and its production.

The following information should be given for each formation penetrated by the well:

- Name of formation
- Thickness of formation (feet)
- Character of formation (e.g., sandstone, limestone, shale)
- Color and texture of formation
- Other characteristics of formation

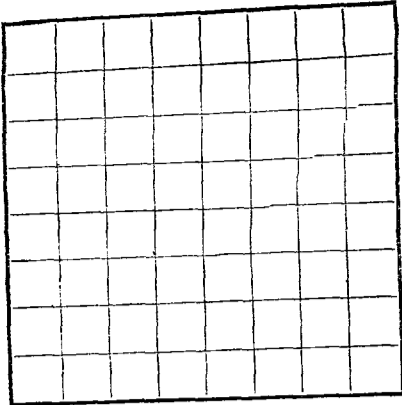
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was added, state the kind of material used, position, and results of pumping or drilling.

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 added, state the kind of material used, position, and results of pumping or drilling.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Surface
10	20	20	Sandstone
20	30	30	Limestone
30	40	40	Shale
40	50	50	Sandstone
50	60	60	Limestone
60	70	70	Shale
70	80	80	Sandstone
80	90	90	Limestone
90	100	100	Shale
100	110	110	Sandstone
110	120	120	Limestone
120	130	130	Shale
130	140	140	Sandstone
140	150	150	Limestone
150	160	160	Shale
160	170	170	Sandstone
170	180	180	Limestone
180	190	190	Shale
190	200	200	Sandstone
200	210	210	Limestone
210	220	220	Shale
220	230	230	Sandstone
230	240	240	Limestone
240	250	250	Shale
250	260	260	Sandstone
260	270	270	Limestone
270	280	280	Shale
280	290	290	Sandstone
290	300	300	Limestone
300	310	310	Shale
310	320	320	Sandstone
320	330	330	Limestone
330	340	340	Shale
340	350	350	Sandstone
350	360	360	Limestone
360	370	370	Shale
370	380	380	Sandstone
380	390	390	Limestone
390	400	400	Shale
400	410	410	Sandstone
410	420	420	Limestone
420	430	430	Shale
430	440	440	Sandstone
440	450	450	Limestone
450	460	460	Shale
460	470	470	Sandstone
470	480	480	Limestone
480	490	490	Shale
490	500	500	Sandstone
500	510	510	Limestone
510	520	520	Shale
520	530	530	Sandstone
530	540	540	Limestone
540	550	550	Shale
550	560	560	Sandstone
560	570	570	Limestone
570	580	580	Shale
580	590	590	Sandstone
590	600	600	Limestone
600	610	610	Shale
610	620	620	Sandstone
620	630	630	Limestone
630	640	640	Shale
640	650	650	Sandstone
650	660	660	Limestone
660	670	670	Shale
670	680	680	Sandstone
680	690	690	Limestone
690	700	700	Shale
700	710	710	Sandstone
710	720	720	Limestone
720	730	730	Shale
730	740	740	Sandstone
740	750	750	Limestone
750	760	760	Shale
760	770	770	Sandstone
770	780	780	Limestone
780	790	790	Shale
790	800	800	Sandstone
800	810	810	Limestone
810	820	820	Shale
820	830	830	Sandstone
830	840	840	Limestone
840	850	850	Shale
850	860	860	Sandstone
860	870	870	Limestone
870	880	880	Shale
880	890	890	Sandstone
890	900	900	Limestone
900	910	910	Shale
910	920	920	Sandstone
920	930	930	Limestone
930	940	940	Shale
940	950	950	Sandstone
950	960	960	Limestone
960	970	970	Shale
970	980	980	Sandstone
980	990	990	Limestone
990	1000	1000	Shale

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. ^[N.]_[S.] of 3 Line and 1980 ft. ^[E.]_[W.] of W Line of Section 14 Elevation 3711'
(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 September 8, 1959 Signed R. J. Heard
Title District Superintendent

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

Commenced drilling August 6, 1959 Finished drilling August 29, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1302' to 1306' (G) No. 4, from _____ to _____
No. 2, from 2019' to 2043' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 320' to 324' No. 3, from _____ to _____
No. 2, from 1805' to 1815' 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-	
10 3/4"	20.75#	8rd	Used	367'	Regular	371'			Oil String
7"	20.8 25#	8rd	Used	1840'	Factor	1798'			Water String
5 1/2"	11#	8rd	Nat'l.	2017'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	374'	None	Obtained formation shut-off		
7"	1840'	None	Pump & Plug	Heavy	30 sacks Aquagel
5 1/2"	2019'	10	" "		

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOCKING~~ RECORD

Size	Shal used	Materials used	Quantity	Date	Depth shock treated	Depth cleaned out
		20% HCl	500 gals.	8-30-59	2019-2047'	
		Crude Oil	61,530 gals.	" "	" "	
		Ottawa Sand	200,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2047 feet, and from _____ feet to _____ feet

DATES

Put to producing September 1, 1959

The production for the first 24 hours was 605 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 90 °API 35.0

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E. W. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

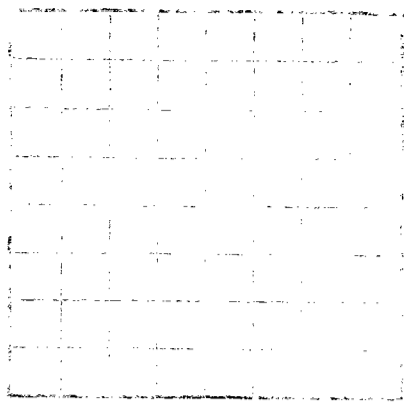
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	20	20	Caliche
20	300	280	Red shale
300	320	20	Anhy & Red Shale
320	324	4	Sand
324	380	56	Anhy
380	415	35	Anhy & red shale
415	445	30	Anhy
445	892	447	Salt
892	1168	276	Anhy
1168	1191	23	Lime
1191	1197	6	Anhy & lime
1197	1585	388	Anhy
1585	1595	10	Sand
1595	1792	197	Anhy
1792	1822	30	Red sand
1822	1922	100	Anhy
1922	1950	28	Lime & Anhy
1950	2022	72	Anhy
2022	2044	22	Sand
2044	2047	3	Sand & anhy

AT THE END OF THIS LOG THE DRILLER'S LOG SHOULD BE CHECKED AGAINST THE STATE LOGS TO BE SURE ALL LOG SAMPLES HAVE BEEN TAKEN AND LOGS CORRECTED.

U.S. Geological Survey
 FEDERAL BUREAU OF RESEARCH
 Bureau of Reclamation
 Washington, D.C.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
LOG OF OIL OR GAS WELL



Company Name: _____
 State: _____
 County: _____
 Section: _____
 Township: _____
 Range: _____

The information given here is a copy of the log of the well and all work done thereon. It is to be maintained in the files of the well and is to be available to the public.

The primary on this page is for the purpose of recording the history of the well. It is to be maintained in the files of the well and is to be available to the public.

Completed during _____
 by _____

Oil or Gas Well No. _____
 State of _____

Well Name: _____
 Location: _____

HISTORY OF OIL OR GAS WELL

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 drilling.

DATE	DEPTH (FEET)	FORMATION	REMARKS
1950-01-01	0	Surface	Wellhead set
1950-01-01	10	Shale	Drilled 10 feet
1950-01-01	20	Sandstone	Drilled 20 feet
1950-01-01	30	Shale	Drilled 30 feet
1950-01-01	40	Sandstone	Drilled 40 feet
1950-01-01	50	Shale	Drilled 50 feet
1950-01-01	60	Sandstone	Drilled 60 feet
1950-01-01	70	Shale	Drilled 70 feet
1950-01-01	80	Sandstone	Drilled 80 feet
1950-01-01	90	Shale	Drilled 90 feet
1950-01-01	100	Sandstone	Drilled 100 feet
1950-01-01	110	Shale	Drilled 110 feet
1950-01-01	120	Sandstone	Drilled 120 feet
1950-01-01	130	Shale	Drilled 130 feet
1950-01-01	140	Sandstone	Drilled 140 feet
1950-01-01	150	Shale	Drilled 150 feet
1950-01-01	160	Sandstone	Drilled 160 feet
1950-01-01	170	Shale	Drilled 170 feet
1950-01-01	180	Sandstone	Drilled 180 feet
1950-01-01	190	Shale	Drilled 190 feet
1950-01-01	200	Sandstone	Drilled 200 feet
1950-01-01	210	Shale	Drilled 210 feet
1950-01-01	220	Sandstone	Drilled 220 feet
1950-01-01	230	Shale	Drilled 230 feet
1950-01-01	240	Sandstone	Drilled 240 feet
1950-01-01	250	Shale	Drilled 250 feet
1950-01-01	260	Sandstone	Drilled 260 feet
1950-01-01	270	Shale	Drilled 270 feet
1950-01-01	280	Sandstone	Drilled 280 feet
1950-01-01	290	Shale	Drilled 290 feet
1950-01-01	300	Sandstone	Drilled 300 feet
1950-01-01	310	Shale	Drilled 310 feet
1950-01-01	320	Sandstone	Drilled 320 feet
1950-01-01	330	Shale	Drilled 330 feet
1950-01-01	340	Sandstone	Drilled 340 feet
1950-01-01	350	Shale	Drilled 350 feet
1950-01-01	360	Sandstone	Drilled 360 feet
1950-01-01	370	Shale	Drilled 370 feet
1950-01-01	380	Sandstone	Drilled 380 feet
1950-01-01	390	Shale	Drilled 390 feet
1950-01-01	400	Sandstone	Drilled 400 feet
1950-01-01	410	Shale	Drilled 410 feet
1950-01-01	420	Sandstone	Drilled 420 feet
1950-01-01	430	Shale	Drilled 430 feet
1950-01-01	440	Sandstone	Drilled 440 feet
1950-01-01	450	Shale	Drilled 450 feet
1950-01-01	460	Sandstone	Drilled 460 feet
1950-01-01	470	Shale	Drilled 470 feet
1950-01-01	480	Sandstone	Drilled 480 feet
1950-01-01	490	Shale	Drilled 490 feet
1950-01-01	500	Sandstone	Drilled 500 feet

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
 EXHIBIT NO. 5
 CASE NO. 2755

U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 061638
 LEASE OR PERMIT TO PROSPECT Brewer

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 P. O. Box 416, Loco Hills, N. M.
 Lessor or Tract Brewer Field High Lonesome State New Mexico
 Well No. 3 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
 Location 660 ft. S. of N. Line and 1980 ft. W. of E. Line of Section 14 Elevation 3633'
(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 R. J. Heard Title District Superintendent
 Date December 1, 1958

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

Commenced drilling October 22, 1958 Finished drilling November 23, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2062' to 2078' 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 318' to 325' No. 3, from _____ to _____
 No. 2, from 1831' to 1838' 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-	
10 3/4"	32.75#	8rd	Used	341'	Texas Pattern	343'			Salt String
8 5/8"	28#	8rd	Used	1850'	Pattern	1849'			Water String
7"	23#	8rd	Used	2052'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	343	None	Obtained formation shut-off		
8 5/8"	1849	None	Pump & Plug	Heavy	45 sacks Aquagel
7"	2055	150	Pump & Plug	Heavy	15 sacks Aquagel

PLUGS AND ADAPTERS

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

STIMULATION

Size	Shell used	Explosive used	Quantity	Date	Depth shot treated	Depth cleaned out
		Materials				
		20% HCl	600 gals.	11-24-58	2055-2084'	
		Crude Oil	56,196 gals	" "	" "	
		Ottawa Sand	90,000#	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from 0 feet to 2084 feet, and from _____ feet to _____ feet

DATES

Put to producing December 1, 1958

The production for the first 24 hours was 89 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 36° API

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

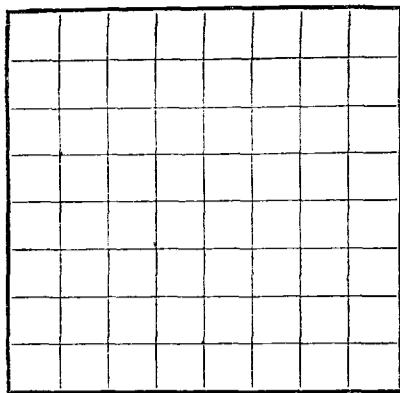
D. C. Crooks, Driller Ben Porter, Driller
E. J. Parish, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	318	318	Red shale
318	325	7	Sand
325	355	30	Anhy
355	440	85	Red shale
440	465	25	Anhy
465	900	435	Salt
900	915	15	Anhy
915	940	25	Salt
940	980	40	Salt & anhy
980	1070	90	Anhy
1070	1195	125	Anhy & shale
1195	1831	636	Anhy
1831	1838	7	Sand
1838	1920	82	Anhy
1920	1960	40	Lime
1960	2030	70	Anhy
2030	2057	27	Anhy & sand
2057	2063	6	Anhy
2063	2078	15	Sand
2078	2084	6	Anhy & sand

AT THE END OF COMPLETE DRILLERS LOG, ATTACH THIS STATE WHEN YOU RETURN TO THE CAMP

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 9 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. ~~XXX~~ of N Line and 1977 ft. ~~XXX~~ of W Line of Section 13 Elevation 3733'
(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 2, 1959 Signed R. J. Heard
Title District Superintendent

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

Commenced drilling April 10, 19 59 Finished drilling May 8, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2071' to 2095' 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 368' to 377' No. 3, from _____ to _____
No. 2, from 1837' to 1850' 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-	
10 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>494'</u>	<u>Regular</u>	<u>495'</u>			<u>Salt String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>6rd</u>	<u>Used</u>	<u>1929'</u>	<u>Pattern</u>	<u>1929'</u>			<u>Water String</u>
<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2065'</u>	<u>Guide</u>				<u>Prod. String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 <u>3/4"</u>	<u>435'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1929'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>35 sacks Aquagel</u>
<u>7"</u>	<u>2068'</u>	<u>150</u>	<u>" "</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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2095 feet, and from _____ feet to _____ feet

DATES

June 2, 19 59 Put to producing May 8, 19 59

The production for the first 24 hours was 1848 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, EDX °API 35.5°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. H. Crabb, Driller E. J. Parish, Driller
J. G. Crow, Driller _____, Driller

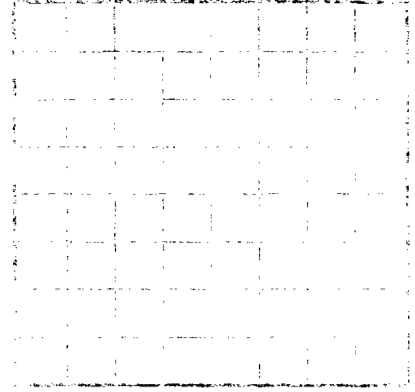
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	15	15	Caliche
15	290	275	Shale
290	300	10	Gyp
300	310	10	Shale
310	377	67	Anhy
377	450	73	Shale
450	465	15	Anhy
465	905	440	Salt
905	1070	165	Anhy
1070	1205	135	Anhy & shale
1205	1225	20	Anhy & lime
1225	1337	112	Anhy
1337	1345	8	Anhy & lime
1345	1837	492	Anhy
1837	1850	13	Red sand
1850	1929	79	Anhy
1929	1940	11	Anhy & shale
1940	2011	71	Anhy
2011	2023	12	Anhy
2023	2026	3	SLM
2026	2065	39	Anhy
2065	2068	3	Sandy lime
2068	2095	27	Sand

AT THE END OF THE LOG THE DRILLERS LOGS WILL BE

LOG OF OIL OR GAS WELL

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES**

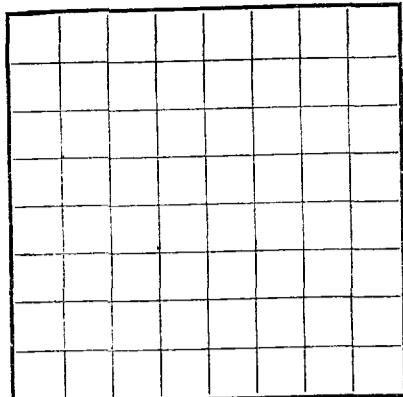


Company Name, Address, State, Loc. No., Section, Township, Range, County, State, Date
 The information given here is a complete and correct record of this well and all work done on it.
 If there are any changes made in the casing, state fully, and if any casing was
 sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number
 of shots. If pumps or bridges were put into test for water, state kind of material used, position, and results of pumping or being
 pumped.
 This of the greatest importance to have a complete history of the well. Please state in detail the dates of redrillings, together
 with the reasons for the work and its results. If there are 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 pumps or bridges were put into test for water, state kind of material used, position, and results of pumping or being
 pumped.
 The summary at the end of this log is for the information of the well and its data.

DATE	DEPTH	DIAMETER	FORMATION	REMARKS

DATE	DEPTH	DIAMETER	FORMATION	REMARKS
1900	10	6	Red shale	
1900	15	6	Red shale	
1900	20	6	Red shale	
1900	25	6	Red shale	
1900	30	6	Red shale	
1900	35	6	Red shale	
1900	40	6	Red shale	
1900	45	6	Red shale	
1900	50	6	Red shale	
1900	55	6	Red shale	
1900	60	6	Red shale	
1900	65	6	Red shale	
1900	70	6	Red shale	
1900	75	6	Red shale	
1900	80	6	Red shale	
1900	85	6	Red shale	
1900	90	6	Red shale	
1900	95	6	Red shale	
1900	100	6	Red shale	
1900	105	6	Red shale	
1900	110	6	Red shale	
1900	115	6	Red shale	
1900	120	6	Red shale	
1900	125	6	Red shale	
1900	130	6	Red shale	
1900	135	6	Red shale	
1900	140	6	Red shale	
1900	145	6	Red shale	
1900	150	6	Red shale	
1900	155	6	Red shale	
1900	160	6	Red shale	
1900	165	6	Red shale	
1900	170	6	Red shale	
1900	175	6	Red shale	
1900	180	6	Red shale	
1900	185	6	Red shale	
1900	190	6	Red shale	
1900	195	6	Red shale	
1900	200	6	Red shale	
1900	205	6	Red shale	
1900	210	6	Red shale	
1900	215	6	Red shale	
1900	220	6	Red shale	
1900	225	6	Red shale	
1900	230	6	Red shale	
1900	235	6	Red shale	
1900	240	6	Red shale	
1900	245	6	Red shale	
1900	250	6	Red shale	
1900	255	6	Red shale	
1900	260	6	Red shale	
1900	265	6	Red shale	
1900	270	6	Red shale	
1900	275	6	Red shale	
1900	280	6	Red shale	
1900	285	6	Red shale	
1900	290	6	Red shale	
1900	295	6	Red shale	
1900	300	6	Red shale	
1900	305	6	Red shale	
1900	310	6	Red shale	
1900	315	6	Red shale	
1900	320	6	Red shale	
1900	325	6	Red shale	
1900	330	6	Red shale	
1900	335	6	Red shale	
1900	340	6	Red shale	
1900	345	6	Red shale	
1900	350	6	Red shale	
1900	355	6	Red shale	
1900	360	6	Red shale	
1900	365	6	Red shale	
1900	370	6	Red shale	
1900	375	6	Red shale	
1900	380	6	Red shale	
1900	385	6	Red shale	
1900	390	6	Red shale	
1900	395	6	Red shale	
1900	400	6	Red shale	
1900	405	6	Red shale	
1900	410	6	Red shale	
1900	415	6	Red shale	
1900	420	6	Red shale	
1900	425	6	Red shale	
1900	430	6	Red shale	
1900	435	6	Red shale	
1900	440	6	Red shale	
1900	445	6	Red shale	
1900	450	6	Red shale	
1900	455	6	Red shale	
1900	460	6	Red shale	
1900	465	6	Red shale	
1900	470	6	Red shale	
1900	475	6	Red shale	
1900	480	6	Red shale	
1900	485	6	Red shale	
1900	490	6	Red shale	
1900	495	6	Red shale	
1900	500	6	Red shale	
1900	505	6	Red shale	
1900	510	6	Red shale	
1900	515	6	Red shale	
1900	520	6	Red shale	
1900	525	6	Red shale	
1900	530	6	Red shale	
1900	535	6	Red shale	
1900	540	6	Red shale	
1900	545	6	Red shale	
1900	550	6	Red shale	
1900	555	6	Red shale	
1900	560	6	Red shale	
1900	565	6	Red shale	
1900	570	6	Red shale	
1900	575	6	Red shale	
1900	580	6	Red shale	
1900	585	6	Red shale	
1900	590	6	Red shale	
1900	595	6	Red shale	
1900	600	6	Red shale	
1900	605	6	Red shale	
1900	610	6	Red shale	
1900	615	6	Red shale	
1900	620	6	Red shale	
1900	625	6	Red shale	
1900	630	6	Red shale	
1900	635	6	Red shale	
1900	640	6	Red shale	
1900	645	6	Red shale	
1900	650	6	Red shale	
1900	655	6	Red shale	
1900	660	6	Red shale	
1900	665	6	Red shale	
1900	670	6	Red shale	
1900	675	6	Red shale	
1900	680	6	Red shale	
1900	685	6	Red shale	
1900	690	6	Red shale	
1900	695	6	Red shale	
1900	700	6	Red shale	
1900	705	6	Red shale	
1900	710	6	Red shale	
1900	715	6	Red shale	
1900	720	6	Red shale	
1900	725	6	Red shale	
1900	730	6	Red shale	
1900	735	6	Red shale	
1900	740	6	Red shale	
1900	745	6	Red shale	
1900	750	6	Red shale	
1900	755	6	Red shale	
1900	760	6	Red shale	
1900	765	6	Red shale	
1900	770	6	Red shale	
1900	775	6	Red shale	
1900	780	6	Red shale	
1900	785	6	Red shale	
1900	790	6	Red shale	
1900	795	6	Red shale	
1900	800	6	Red shale	
1900	805	6	Red shale	
1900	810	6	Red shale	
1900	815	6	Red shale	
1900	820	6	Red shale	
1900	825	6	Red shale	
1900	830	6	Red shale	
1900	835	6	Red shale	
1900	840	6	Red shale	
1900	845	6	Red shale	
1900	850	6	Red shale	
1900	855	6	Red shale	
1900	860	6	Red shale	
1900	865	6	Red shale	
1900	870	6	Red shale	
1900	875	6	Red shale	
1900	880	6	Red shale	
1900	885	6	Red shale	
1900	890	6	Red shale	
1900	895	6	Red shale	
1900	900	6	Red shale	
1900	905	6	Red shale	
1900	910	6	Red shale	
1900	915	6	Red shale	
1900	920	6	Red shale	
1900	925	6	Red shale	
1900	930	6	Red shale	
1900	935	6	Red shale	
1900	940	6	Red shale	
1900	945	6	Red shale	
1900	950	6	Red shale	
1900	955	6	Red shale	
1900	960	6	Red shale	
1900	965	6	Red shale	
1900	970	6	Red shale	
1900	975	6	Red shale	
1900	980	6	Red shale	
1900	985	6	Red shale	
1900	990	6	Red shale	
1900	995	6	Red shale	
1900	1000	6	Red shale	

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 13 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$ of N Line and 660 ft. $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$ of W Line of Section 14 Elevation 3708'
(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 _____

Date August 5, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling June 8, 1959 Finished drilling July 6, 1959

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

No. 1, from 1993' to 2020' 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 1766' to 1780' 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—	
10 3/4"	32.75#	8rd	Used	400'	Regular	400'			Ball String
8 5/8"	23#	8rd	Used	1831'	Pattern	1831'			Water String
7"	23#	8rd	Used	1990'	Guide	1990'			Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	400'	None	Obtained formation shut-off		
8 5/8"	1831'	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	1993'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth created	Depth cleaned out
		20% HCl	500 gals.	7-7-59	1993-2023'	
		Crude Oil	62,076 gals.	" "	" "	
		Ottawa Sand	130,000 lbs.	" "	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2023 feet, and from _____ feet to _____ feet

DATES

August 6, 1959 Put to producing July 13, 1959

The production for the first 24 hours was 440 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 28.6 °API 35.0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. C. Crooks, Driller J. E. Wilcox, Driller
L. P. Jennings, Driller _____, Driller

FORMATION RECORD

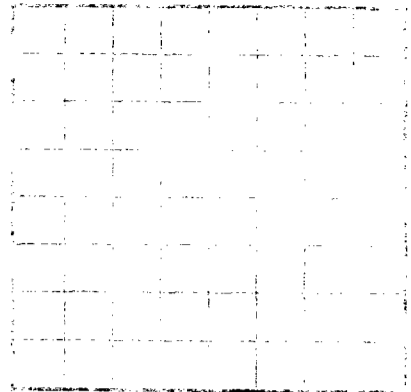
FROM—	TO—	TOTAL FEET	FORMATION
0	15	1	Caliche
15	250	235	Sand & shale
250	290	40	Anhy
290	330	40	Shale
330	405	75	Anhy
405	840	435	Salt
840	1000	160	Anhy
1000	1040	40	Red shale
1040	1159	119	Anhy & shale
1159	1280	121	Anhy
1280	1302	22	Lime
1302	1630	328	Anhy
1630	1636	6	Anhy & shale
1636	1766	130	Anhy
1766	1780	14	Red sand
1780	1931	151	Anhy
1931	1940	9	Anhy & shale
1940	1993	53	Anhy
1993	2020	27	Sand
2020	2023	3	Sand & anhy

AT THE END OF COMPLETE DRILLING LOG, CHECK OFF COMPLETE STATE VALUE

U. S. GEOLOGICAL SURVEY
 BRANCH OF GEOLOGICAL SURVEY
 WASHINGTON, D. C.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Name: Standard Oil Co. of Indiana
 Field No.: 100-10000
 State: Indiana
 County: Madison
 Township: Madison
 Range: 10E
 Section: 10
 The information given herein is a complete and correct record of the well and all work done thereon as far as can be determined from an available record.

Date of completion: 1942
 Name of operator: Standard Oil Co. of Indiana

The summary on this page is for the entire length of the well as above data.
 Get record of drilling: See log on file in office of U.S.G.S.

USE FOR GAS ENGINE OR OTHER
 (Describe)

Is this well a water well?
 If so, what is the purpose?
 If not, what is the purpose?

Is this well a water well?
 If so, what is the purpose?
 If not, what is the purpose?

Is this well a water well?
 If so, what is the purpose?
 If not, what is the purpose?

Is this well a water well?
 If so, what is the purpose?
 If not, what is the purpose?

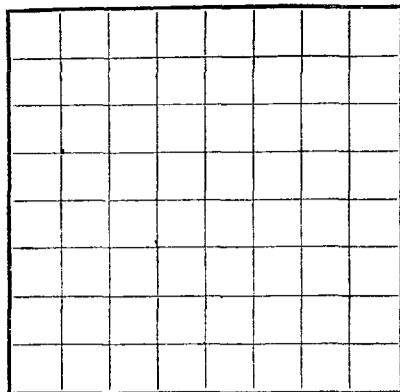
HISTORY OF OIL OR GAS WELL

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 "struck" 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 falling.

FORMATION	TOTAL FEET	TO	FROM
Shale	100	100	100
Sandstone	200	200	100
Shale	300	300	200
Sandstone	400	400	300
Shale	500	500	400
Sandstone	600	600	500
Shale	700	700	600
Sandstone	800	800	700
Shale	900	900	800
Sandstone	1000	1000	900
Shale	1100	1100	1000
Sandstone	1200	1200	1100
Shale	1300	1300	1200
Sandstone	1400	1400	1300
Shale	1500	1500	1400
Sandstone	1600	1600	1500
Shale	1700	1700	1600
Sandstone	1800	1800	1700
Shale	1900	1900	1800
Sandstone	2000	2000	1900

FORMATION RECORD—Continued

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO PROSPECT **Brewer**



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **General American Oil Co. of Texas** Address **P. O. Box 416, Loco Hills, N. M.**
Lessor or Tract **Brewer** Field **High Lonesome** State **New Mexico**
Well No. **5** Sec. **14** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1980 ft. [X] of N Line and 1980 ft. [X] of E Line of Section 14** Elevation **3729'**
(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 **E. J. Heard**
Date **February 18, 1959** Title **District Superintendent**

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

Commenced drilling **January 13**, 1959 Finished drilling **February 6**, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2056'** to **2076'** 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 **345'** to **352'** No. 3, from _____ to _____
No. 2, from **1828'** to **1849'** 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—	
10 3/4"	32.75#	8rd	Used	383	Regular	385'			Salt String
8 5/8"	28#	8rd	Used	1878	Pattern	1880'			Water String
7"	23#	8rd	Used	2049	Guide				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	385	None	Obtained formation shut-off		
8 5/8"	1880	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2052	150	" "	" "	15 " "

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth set	Depth cleaned out
		20% HCl	420 gals.			
		Crude Oil	61,656 gals.	2-7-59	2052-2078'	
		Ottawa Sand	95,600 lbs.			

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **2078** feet, and from _____ feet to _____ feet

DATES

February 18, 1959 Put to producing **February 13**, 1959

The production for the first 24 hours was **257** barrels of fluid of which **100**% was oil; **0**% emulsion; _____% water; and _____% sediment. Gravity, **36.0°** API

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. G. Crooks, Driller **Ben Porter**, Driller
Hollis Gray, Driller _____, Driller

FORMATION RECORD

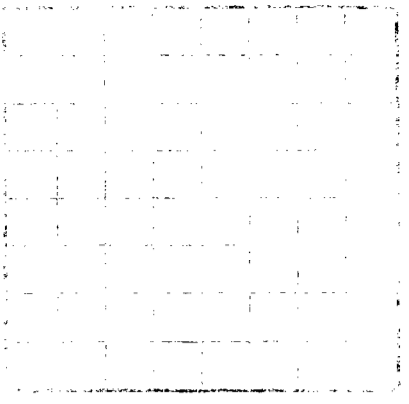
FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Caliche
10	225	215	Red shale
225	345	120	Anhy
345	352	7	Sand
352	387	35	Red shale
387	400	13	Anhy
400	430	30	Red shale
430	450	20	Anhy
450	895	445	Salt
895	925	30	Anhy
925	935	10	Red shale
935	1065	130	Anhy
1065	1197	132	Anhy & shale
1197	1224	27	Lime
1224	1619	395	Anhy
1619	1630	11	Red sand
1630	1820	190	Anhy
1820	1828	8	Red shale
1828	1849	21	Red sand
1849	1878	29	Anhy
1878	1880	2	SIM
1880	1999	119	Anhy
1999	2003	4	Red shale
2003	2045	43	Anhy & shale
2045	2050	5	Anhy & sand
2050	2076	26	Sand
2076	2078	2	Anhy & sand

OFFICE OF COMPLETE DRILLER'S STATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY



Company: _____
Location: _____
The following is a log of the well and should be read in connection with the log of the well from which it was obtained. This log is intended for the use of the Government and should not be used for any other purpose.

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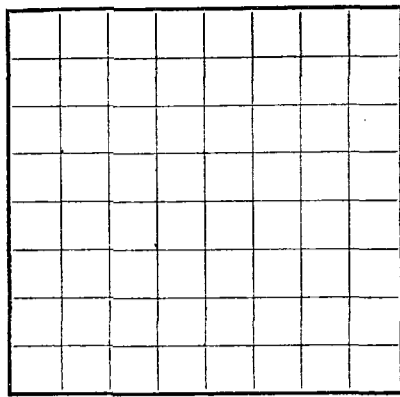
HISTORY OF OIL OR GAS WELL

This of the greatest importance to have a complete history of the well. Please state in detail the dates of redrills, 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 "stretched" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. Drills or bridges were put in to test for water, state kind of material used, position, and results of pumping or falling.

DEPTH, FEET	FORMATION	REMARKS	THICKNESS, FEET
0	Surface		
10	Oil shale		
20	Oil shale		
30	Oil shale		
40	Oil shale		
50	Oil shale		
60	Oil shale		
70	Oil shale		
80	Oil shale		
90	Oil shale		
100	Oil shale		
110	Oil shale		
120	Oil shale		
130	Oil shale		
140	Oil shale		
150	Oil shale		
160	Oil shale		
170	Oil shale		
180	Oil shale		
190	Oil shale		
200	Oil shale		
210	Oil shale		
220	Oil shale		
230	Oil shale		
240	Oil shale		
250	Oil shale		
260	Oil shale		
270	Oil shale		
280	Oil shale		
290	Oil shale		
300	Oil shale		
310	Oil shale		
320	Oil shale		
330	Oil shale		
340	Oil shale		
350	Oil shale		
360	Oil shale		
370	Oil shale		
380	Oil shale		
390	Oil shale		
400	Oil shale		
410	Oil shale		
420	Oil shale		
430	Oil shale		
440	Oil shale		
450	Oil shale		
460	Oil shale		
470	Oil shale		
480	Oil shale		
490	Oil shale		
500	Oil shale		
510	Oil shale		
520	Oil shale		
530	Oil shale		
540	Oil shale		
550	Oil shale		
560	Oil shale		
570	Oil shale		
580	Oil shale		
590	Oil shale		
600	Oil shale		
610	Oil shale		
620	Oil shale		
630	Oil shale		
640	Oil shale		
650	Oil shale		
660	Oil shale		
670	Oil shale		
680	Oil shale		
690	Oil shale		
700	Oil shale		
710	Oil shale		
720	Oil shale		
730	Oil shale		
740	Oil shale		
750	Oil shale		
760	Oil shale		
770	Oil shale		
780	Oil shale		
790	Oil shale		
800	Oil shale		
810	Oil shale		
820	Oil shale		
830	Oil shale		
840	Oil shale		
850	Oil shale		
860	Oil shale		
870	Oil shale		
880	Oil shale		
890	Oil shale		
900	Oil shale		
910	Oil shale		
920	Oil shale		
930	Oil shale		
940	Oil shale		
950	Oil shale		
960	Oil shale		
970	Oil shale		
980	Oil shale		
990	Oil shale		
1000	Oil shale		

FORMATION RECORD—Continued

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____



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 P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 7 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N of N Line and 660 ft. E of W Line of Section 13 Elevation 3730'
(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 _____

Date April 7, 1959 Title H. J. Heard District Superintendent

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

Commenced drilling March 9, 1959 Finished drilling April 4, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2087' to 2106' 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 364' to 369' No. 3, from _____ to _____
No. 2, from 1848' to 1858' 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-	
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Balt. String
8 5/8"	28#	8rd	Used	1940'	Regular	1941'			Water String
7"	23#	8rd	Used	2081'	Guide	2084'			Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	420	None	Obtained formation shut-off		
8 5/8"	1941	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2084	150	Pump & Plug		

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 0 feet to 2119 feet, and from _____ feet to _____ feet

DATES

April 7, 1959 Put to producing April 4, 1959

The production for the first 24 hours was 296 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 88.6 °API 36.0°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. H. Crabb, Driller E. J. Parish, Driller
J. G. Crow, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	312	312	Red shale
312	330	18	Shale & anhy
330	364	34	Anhy
364	369	5	Sand
369	417	48	Red shale
417	420	3	Anhy
420	450	30	Gyp & red rock
450	463	13	Red shale
463	477	14	Anhy & shale
477	915	438	Salt
915	1095	180	Anhy
1095	1235	140	Anhy & shale
1235	1620	385	Anhy
1620	1645	25	Anhy & shale
1645	1805	160	Anhy & salt
1805	1848	43	Anhy
1848	1858	10	Red sand
1858	2020	162	Anhy
2020	2050	30	Anhy & shale
2050	2065	15	Anhy
2065	2080	15	Anhy & sand
2080	2119	39	Gray sand

AT THE END OF COMPLETE DRILLERS LOG, CHECK STATE

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
 EXHIBIT NO. 7
 CASE NO. 2755

U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 067610-A
 LEASE OR PERMIT TO PROSPECT _____
Bosworth

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 P. O. Box 416, Loco Hills, N. M.
 Lessor or Tract Bosworth Field Undesignated State New Mexico
 Well No. 1 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
 Location 1980 ft. N of S Line and 660 ft. EX of E Line of Section 14 Elevation 3718'
(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 _____
 Date June 4, 1959 Title H. J. Heard District Superintendent

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

Commenced drilling May 2, 1959 Finished drilling May 26, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2068' to 2097' 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 1846' to 1853' 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-	
10 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>390'</u>	<u>Regular</u>	<u>390'</u>			<u>Salt String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>National</u>	<u>1913'</u>	<u>Pattern</u>	<u>1913'</u>			<u>Water String</u>
<u>7"</u>	<u>24#</u>	<u>10V</u>	<u>Used</u>	<u>2064'</u>	<u>Guide</u>				<u>Prod. String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 <u>3/4"</u>	<u>390'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1913'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>35 sacks Aquagel</u>
<u>7"</u>	<u>2067'</u>	<u>150</u>	<u>" "</u>		

PLUGS AND ADAPTERS

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

FRACTURING ~~SHOOTING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth set treated	Depth cleaned out
		<u>20% HCl</u>	<u>500 gals.</u>	<u>5-27-59</u>	<u>2067-2101'</u>	
		<u>Crude Oil</u>	<u>48,720 gals.</u>	<u>" "</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>120,000 gals.</u>	<u>" "</u>	<u>" "</u>	

TOOLS USED

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

DATES

June 4, 1959 Put to producing May 31, 1959

The production for the first 24 hours was 262 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, EX API 35.4°

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

Rock pressure, lbs. per sq. in. _____

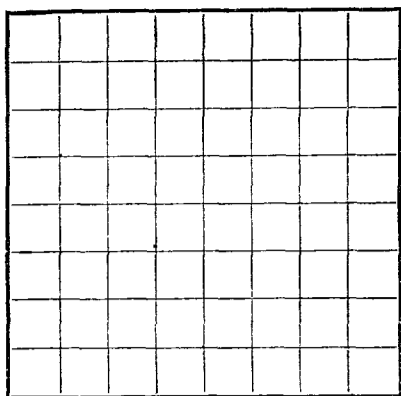
EMPLOYEES

E. W. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	270	270	Red sandy shale
270	295	25	Anhy
295	388	93	Anhy & shale
388	425	37	Anhy
425	430	5	Red shale
430	480	50	Anhy
480	890	410	Salt
890	910	20	Anhy
910	920	10	Shale
920	1073	153	Anhy
1073	1200	127	Anhy & shale
1200	1625	425	Anhy
1625	1635	10	Red shale
1635	1846	211	Anhy
1846	1853	7	Red sand
1853	1858	5	Anhy
1858	1864	6	Red sand
1864	1877	13	Anhy
1877	1884	7	Lime
1884	1905	21	Anhy
1905	1909	4	Red shale
1909	1913	4	Brown lime
1913	1925	12	Anhy & lime
1925	2061	136	Anhy
2061	2068	7	Sandy lime
2068	2072	4	Sand & sandy lime
2072	2097	25	Sand
2097	2101	4	Anhy

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT
Brewer



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Wildcat State New Mexico
Well No. 1 Sec. 14 T. 16-S R. 29-E Meridian N.M.P.M. County Eddy
Location 660 ft. [XXX] of N. Line and 660 ft. [XXX] of E. Line of Section 14 Elevation 3728'
(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 R. J. Heard
Date Sept. 2, 1958 Title Dist. Supt.

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

Commenced drilling Aug. 3, 1958 Finished drilling Aug. 23, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1353' to 1362' No. 4, from _____ to _____
No. 2, from 1903' to 1909' (g) No. 5, from _____ to _____
No. 3, from 2067' to 2080' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 318' to 325' No. 3, from _____ to _____
No. 2, from 1835' to 1848' 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-	
10 3/4"	32.75	8.0	Regular	1180'	Regular	380'			Water string
8 5/8"	25.0	8.0	Regular	205'	Gate	2061'			Prod. string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	380'	None	Obtained formation shut-off		
8 5/8"	1883'	None	Pump & Plug	Heavy	50 sacks Aquagel
7"	2061'	150	Pump & Plug		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCL	500 gals.)			
		Crude Oil	36,960 gals.)	8-27-58	2061-2084'	
		Ottawa Sand	51,000#)			

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2084 feet, and from _____ feet to _____ feet

DATES

Sept. 2, 1958 Put to producing Sept. 1, 1958

The production for the first 24 hours was 360 barrels of fluid of which 100% 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

M. H. Crabb, Driller J. G. Crow, Driller
D. C. Crooks, Driller Ben Porter, Driller

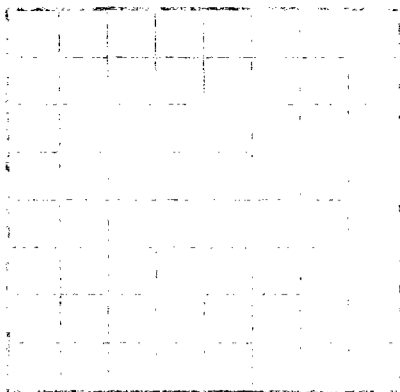
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	110	110	Red shale & sand
110	318	208	Red shale
318	350	32	Anhy
350	370	20	Red shale
370	378	8	Anhy
378	380	2	BLM
380	473	93	Anhy & red shale
473	890	417	Salt
890	1180	290	Anhy
1180	1305	125	Anhy & shale
1305	1353	48	Anhy
1353	1359	6	Brown sandy shale
1359	1510	151	Anhy
1510	1540	30	Lime
1540	1590	50	Anhy
1590	1733	143	Anhy & red shale
1733	1835	102	Anhy
1835	1848	13	Red sand
1848	1886	38	Anhy
1886	1909	23	Anhy & shale
1909	1915	6	Anhy
1915	1927	12	Brown lime
1927	1938	11	Anhy & red shale
1938	2002	64	Anhy
2002	2007	5	Brown shale
2007	2067	60	Anhy
2067	2084	17	Sand

AT THE END OF EACH LOG THE DRILLER'S NAME AND ADDRESS SHOULD BE STATED. ALL LOGS SHOULD BE FILED IN THE LOG BOOK.

U.S. Geological Survey
 Department of the Interior
 Bureau of Geology
 Reston, Virginia 20192

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

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

OIL OR GAS STRONG OR WEAK

PERMANENT WATER TABLE

CASING RECORD

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 "struck" or fell in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or falling.

HISTORY OF OIL OR GAS WELL

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DATE	DEPTH (FEET)	DESCRIPTION	REMARKS
	0	Surface	
	5	Soil	
	10	Sand	
	15	Sand	
	20	Sand	
	25	Sand	
	30	Sand	
	35	Sand	
	40	Sand	
	45	Sand	
	50	Sand	
	55	Sand	
	60	Sand	
	65	Sand	
	70	Sand	
	75	Sand	
	80	Sand	
	85	Sand	
	90	Sand	
	95	Sand	
	100	Sand	
	105	Sand	
	110	Sand	
	115	Sand	
	120	Sand	
	125	Sand	
	130	Sand	
	135	Sand	
	140	Sand	
	145	Sand	
	150	Sand	
	155	Sand	
	160	Sand	
	165	Sand	
	170	Sand	
	175	Sand	
	180	Sand	
	185	Sand	
	190	Sand	
	195	Sand	
	200	Sand	