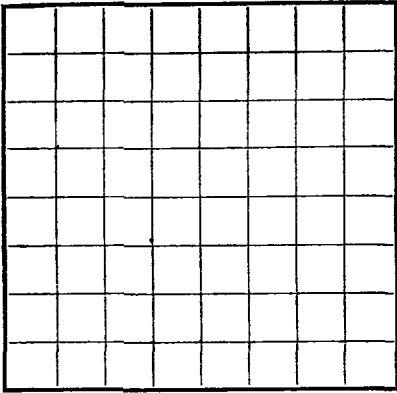


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____



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. 7 Sec. 13 T. 16SR. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. [S.] of N. Line and 660 ft. [E.] of W. Line of Section 13 Elevation 3730'
(Derrek 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 R. 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 1/2#	8rd	Used	2081'	Regular	2084'	43004-S	0'	Prod. String
8 5/8"	23#	8rd	Used	2081'	Guide	2084'	43004-S	0'	Prod. String
7"	23#	8rd	Used	2081'	Guide	2084'	43004-S	0'	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, 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

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

FORMATION RECORD

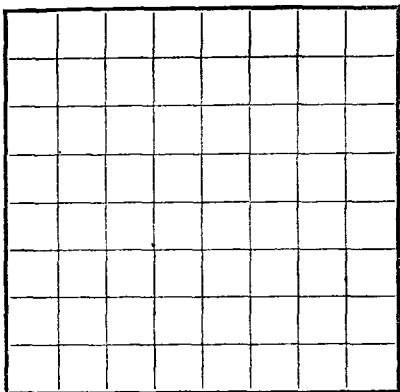
FROM—	TO—	TOTAL FEET	FORMATION
0	312	312	Red shale
312	330	18	Shale & anhy
330	364	34	Anhy
364	369	5	Sand
369	417	48	Red shale
417	420	3	Anhy
420	450	30	Gyp & red rock
450	463	13	Red shale
463	477	14	Anhy & shale
477	915	438	Salt
915	1095	180	Anhy
1095	1235	140	Anhy & shale
1235	1620	385	Anhy
1620	1645	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
FROM—	TO—	TOTAL FEET	FORMATION

AT THE END OF COMPLETE DRILLER'S LOG, ADD TOTAL DEPTH OF WELL

Form 9-330

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 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.

Signed _____
Date June 2, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling April 10, 1959 Finished drilling May 8, 1959

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	3 1/4"	32.75#	8rd	Used	434'	Regular	435'			Salt String
8	5/8"	23#	8rd	Used	1929'	Pattern	1929'			Water String
	7"	23#	8rd	Used	2065'	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 1/4"	435'	None	Obtained formation shut-off		
8	5/8"	1929'	None	Pump & Plug	Heavy	35 sacks Aquagel
	7"	2068'	150	" "		

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, 1959 Put to producing May 8, 1959

The production for the first 24 hours was 184.8 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, XXX °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	SIM
2026	2065	39	Anhy
2065	2068	3	Sandy lime
2068	2095	27	Sand

AT THE END OF EACH DAY THE DRILLER'S LOG, AND THE STATE WHERE

Form 9-330

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. 13 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1280 ft. N. of N. Line and 660 ft. E. 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	395'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1831'	Pattern				Water String
7"	23#	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"	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 ~~STIMULATION~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	7-7-59	1993-2023'	
		Crude Oil	62,076 gals.	"	" "	
		Ottawa Sand	139,000 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, XXXX °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

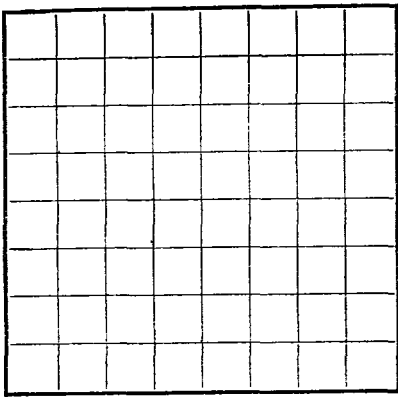
FROM—	TO—	TOTAL FEET	FORMATION
0	15	1	Caliche
15	250	235	Sand & shale
250	290	40	Anhy
290	330	40	Shale
330	405	75	Anhy
405	840	435	Salt
840	1000	160	Anhy
1000	1040	40	Red shale
1040	1159	119	Anhy & shale
1159	1280	121	Anhy
1280	1302	22	Lime
1302	1630	328	Anhy
1630	1636	6	Anhy & shale
1636	1766	130	Anhy
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 DRILLER'S LOG, CHECK THIS SPACE. STATE

FORMATION RECORD—Continued

Form 9-330

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. of S. Line and 1980 ft. E. 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 September 8, 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 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 1/4"	32.75#	8rd	Used	367'	Regular	374'			Salt String
7"	20 & 23#		8rd	Used	1840'	Texaco	1798'			Water String
5	1 1/2"	14#	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 1/4"	374'	None	Obtained formation shut-off		
7"	1840'	None	Pump & Plug	Heavy	30 sacks Aquagel	
5	1 1/2"	2019'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOCKING~~ RECORD

Size	Shell used	Material 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

September 8, 19____ 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, XXX °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

FORMATION RECORD—CONTINUED

THE END OF COMPLETE DRILLER'S
LOG SHEET OF THE STATE
OF NEW MEXICO

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'
XX W (Don't forget to check)

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 4, 1959 Signed R. J. Heard
District Superintendent

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

Commenced drilling May 2 19 59 Finished drilling May 26 1959

OIL OR GAS SANDS OR ZONES

(Denote aqs by G)

No. 1, from 2068^f to 2097^f 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	3 1/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	20#	8rd	National	1913'	Pattern	1913'			Water String
	7"	24#	10V	Used	2064'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

FRACTURING ~~SHOOTING~~ RECORD

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

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, 19 59 Put to producing May 31, 19 59

The production for the first 24 hours was 262 barrels of fluid of which 100% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, 83 °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

16-48094-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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

Date Sept. 2, 1958 Signed R. J. Heard
Title Dist. Supt.

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

Commenced drilling Aug. 3, 19 58 Finished drilling Aug. 23, 19 58.

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

[illegible]

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 used 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	19 58	Put to producing	Sept. 1	19 58
---------	-------	------------------	---------	-------

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	ELM
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

DEPARTMENT OF COMMERCE DRILLERS
 1000 W. 10TH AVE. STATE
 DENVER, CO. 80202

[OVER]
LOS ANGELES RECORD—Continued

16-43094-4

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

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. ^{XXX}S of N. Line and 1980 ft. ^{XXX}W of E. Line of Section 14 Elevation 3729
^{Don't forget to add}

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date February 18, 1959 Signed R. J. Heard
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 1/4"	32.15#	8rd	Used	383	Regular	385'			Salt String
8	5/8"	23#	8rd	Used	1875	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
MARK 10	3/4" 18	385	None	Obtained formation shut-off		
	5/8" 28	1880	None	Pump & Plug	Heavy	35 sacks Aquagel
	7" 28	2052	150	" "	"	15 " "

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	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, ~~100~~ °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. G. Crooks	, Driller	Ben Porter	, Driller
Hollis Gray	, Driller		, Driller

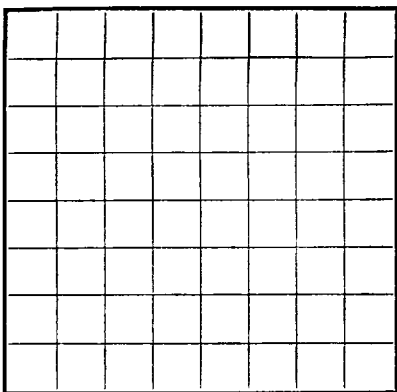
FORMATION RECORD

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	SLM
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

[OVER]
FORAYLION RECORD-COMMUNIST

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 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, 19 59 Finished drilling November 10, 19 59

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 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>419'</u>	<u>Regular</u>	<u>420'</u>			<u>Salt String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>1917'</u>	<u>Pattern</u>	<u>1917'</u>			<u>Water String</u>
<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2119'</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>420'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1917'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>
<u>7"</u>	<u>2122'</u>	<u>150</u>	<u>" "</u>		

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth set created	Depth cleaned out
		<u>20% HCl</u>	<u>500 gals.</u>	<u>11-12-59</u>	<u>2122-2147'</u>	
		<u>Crude Oil</u>	<u>80,556 gals.</u>	<u>" "</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>240,000 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 2147 feet, and from _____ feet to _____ feet

DATES

December 9, 19 59 Put to producing December 9, 19 59

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

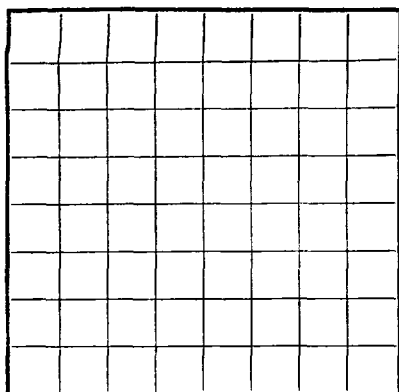
FORMATION RECORD

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

AT THE END OF EACH LOG, DRILLERS
LOG, ADD GEOLOGICAL DATA, STATE
WHETHER FROM LOG OR SAMPLES.

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 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'	Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	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 ~~SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth XXX 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 0 feet to 2036 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, 1.05 °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

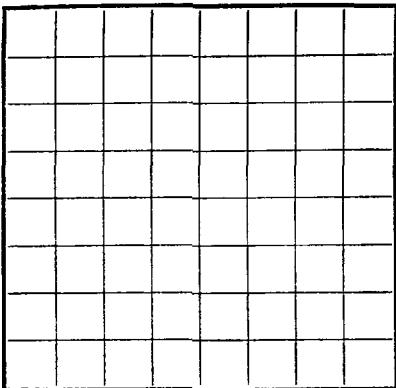
FORMATION RECORD

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

(OVER)

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 Lonesome 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. XX of E Line of Section 12 Elevation 3744'
XX (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, 1959 Finished drilling December 19, 1959

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"	32.75#	8rd	Used	415'	Regular	415'			Salt String
8 5/8"	28#	8rd	Used	2002'	Texas 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 RECORD

Size	Shell used	Materials 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 0 feet to 2116 feet, and from _____ feet to _____ feet

DATES

January 14, 1960 Put to producing December 25, 1959

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, XX 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

R. O. Caffey, Driller J. G. Crow, Driller
D. C. 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	Crevise
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	SIM
1929	2038	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

(OVER)

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'
XSCX XSCX (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	3/4"	32.75#	8rd	Used	381'	Regular	381'			Surface String
8	5/8"	28#	8rd	Used	920'	Pattern	923'			Water String
	7"	20 & 23#	8rd	Used	1071'	Pattern	1873'			Water String
5	1/2"	14#	8rd	New	2047'	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"	381'	None	Obtained formation shut-off		
8	5/8"	923'	None	Obtained formation shut-off		
	7"	1873'	None	Pump & Plug	Heavy	15 sacks Aquagel
5	1/2"	2050'	150 + 50	"	"	

PLUGS AND ADAPTERS

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

STIMULATION ~~RECORD~~ RECORD

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

TOOLS USED

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

FORMATION RECORD—Continued

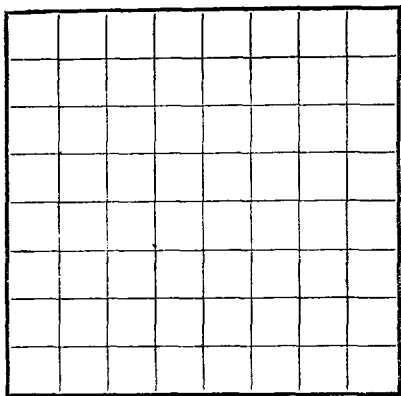
FROM—	TO—	TOTAL FEET	FORMATION
2016	2052	36	Anhy
2052	2076	24	Sand
2076	2079	3	Sand & anhy

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.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Form 9-330



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, New Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16SR 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	417'	Regular	_____	_____	_____	Salt String
8 5/8"	28#	8rd	Used	1936'	Pattern	_____	_____	_____	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 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 0 feet to 2090 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, XXX °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

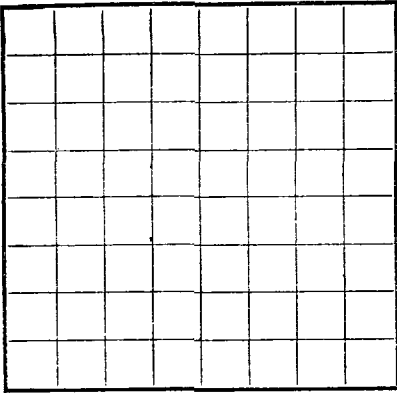
FORMATION RECORD

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	1973	35	Lime
1973	1978	5	Lime
1978	1979	1	Lime
1979	1971	22	Anhy
1971	1976	5	Sand
1976	2000	24	Anhy

FORMATION RECORD—Continued

Form 9-330

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. XX 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 R. 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"	32.85	8rd	Used	410'	Regular	415'			Salt String
	7"	20 & 23	8rd	Used	1800'	Patent	1791'			Water String
5	1 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 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	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	10-8-59	1991-2022'	
		Crude 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 0 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 39°

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	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

IF THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC TOPIC STATE WHETHER PLUGGED

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1022	1022	30	Sand
1022	1022	40	Sandy lime
1022	1022	40	Sandy & shale
1022	1022	131	Any
1022	1022	—	SLM
1022	1022	22	Any
1022	1022	12	Red sand
1022	1022	302	Any
1022	1022	302	Sand & shale
1022	1022	250	Any
1022	1022	25	Lime
1022	1022	120	Any
1022	1022	230	Any & red shale
1022	1022	20	Red shale
1022	1022	30	Any
1022	1022	402	Shale
1022	1022	40	Red shale
1022	1022	62	Shale & shells
1022	1022	20	Any
1022	1022	77	Red shale
1022	1022	210	Red shale & sand

FORMATION RECORD

Driller L. P. Jennings
Driller J. C. Brooks
Employees J. E. Wilcox

Rock present, lbs. per sq. ft.
If the well, can be per 21 hours
Gallon gasoline per 1,000 cu. ft. of gas
Gravity, API 350
The production for the first 24 hours was 61 barrels of fluid of which 100% was oil, 0% water, and 0% sediment.

November 3, 1922
October 25, 1922

DATES

Tools used
Otawa sand 200,000 lbs.
Gravel 80,000 lbs.
S&H 500 gals. 10-8-22
1921-2022

STIMULATION RECORD

Flowing gas—water sand
Flowing gas—water
Depth six
Plugs and adapters
20 (30-222)
150 (Armed 200)
None
Pump & Plug heavy
30 sacks
Obtained formation shut-off
Method used
Shut-in
Amount of sand used

PLUGS AND ADAPTERS

Let it be the greatest importance to have a complete record of the well. Please state in detail the dates of redrilling, and the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "detached", or fell in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in the well for which statement of material used, position, and results of pumping or pumping of water. If bridges or plugs were put in the well, give its size and location.

CASING RECORD

1720' to 1787' No. 4 from
227' to 302' No. 4 from

IMPORTANT WATER SANDS

1720' to 1787' No. 4 from
227' to 302' No. 4 from

OIL OR GAS SANDS OR ZONES

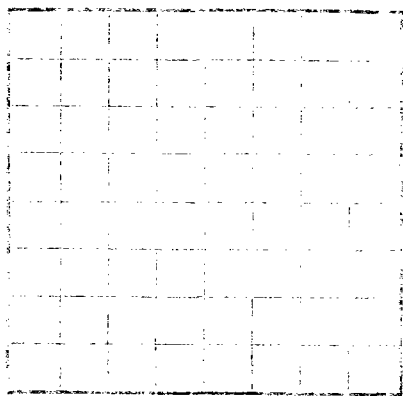
Completed drilling September 12, 1922. Finished drilling October 1, 1922.

The information given herewith is a complete and correct record of the well and all work done thereon. It has been determined from all available records.

Company General American Oil Co. of Texas Address P. O. Box 1112, New Hills, N. M.
Brewer Field High Lanesome State New Mexico
Section 14, T. 16S R. 22E M. 10N. County Eddy
The information given herewith is a complete and correct record of the well and all work done thereon. It has been determined from all available records.

LOG OF OIL OR GAS WELL

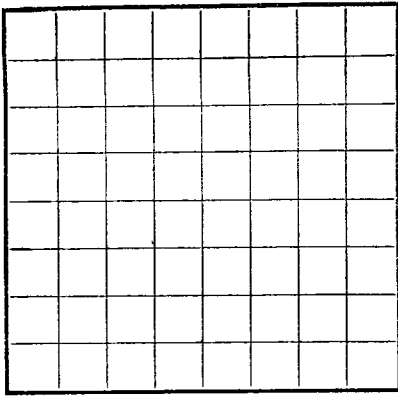
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



U. S. LAND OFFICE
COLUMBIA
Brewer
U. S. LAND OFFICE
COLUMBIA
Brewer

Form 9-330

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'
(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 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 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"	32.75#	8rd	Used	382'	Regular	_____	_____	_____	Salt String
8 5/8"	28#	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 ~~STIMULATION~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth set 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 0 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, 80° 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. G. Crooks, Driller G. H. Harris, Driller
J. S. Dennis, Driller J. E. Wilcox, Driller

FORMATION RECORD

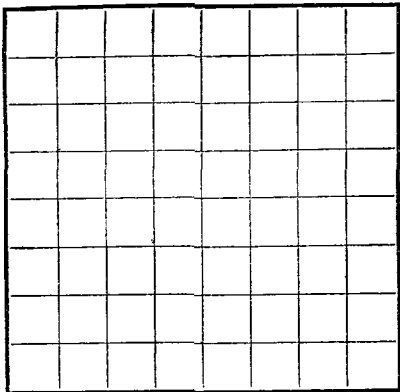
FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Caliche
10	250	240	Red sand and shale
250	260	10	Gravel
260	325	65	Anhy
325	372	47	Red shale
372	382	10	Anhy
382	410	28	Red shale
410	450	40	Anhy and shale
450	855	405	Salt
855	900	45	Anhy and shale
900	974	74	Anhy
974	999	25	Anhy and lime
999	1025	26	Anhy
1025	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	Salt
1839	1890	51	Anhy

FORMATION RECORD—Continued

AT THE END OF COMPLETE DRILLERS
LOG, ATTACH STATE
FILE

Form 9-330

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. 3 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. ^{XXX} of N. Line and 1980 ft. ^{XXX} 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 District Superintendent
Date December 1, 1958 Title Superintendent

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	<u>3 1/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>343'</u>	<u>Texas Pattern</u>	<u>343'</u>			<u>Salt String</u>
8	<u>5/8"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>1850'</u>	<u>Pattern</u>	<u>1849'</u>			<u>Water String</u>
	<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2052'</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>343</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8	<u>5/8"</u>	<u>1849</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>45 sacks Aquagel</u>
	<u>7"</u>	<u>2055</u>	<u>150</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>

PLUGS AND ADAPTERS

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

STIMULATION ~~STIMULATION~~ RECORD

Size	Shell used	Materials Fluids used	Quantity	Date	Depth of treated	Depth cleaned out
		<u>20% HCl</u>	<u>600 gals.</u>	<u>11-24-58</u>	<u>2055-2084'</u>	
		<u>Crude Oil</u>	<u>56,196 gals</u>	<u>"</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>90,000#</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 2084 feet, and from _____ feet to _____ feet

DATES

December 1, 1958 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 _____, 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 DRILLER'S LOG, ADD CEMENT LOG, STATE WHETHER IT IS A CEMENT LOG.

U.S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given herein is a complete and correct record of the well and all work done thereon
and it has been determined from all available records.

Section 16 of T. 108 N. R. 32 E. Meridian
Sec. 16 T. 108 N. R. 32 E. Meridian
Wet 108 N. Sec. 16 T. 108 N. R. 32 E. Meridian

I am or have been
Owner or Leaseholder
of the above described land.
N.M.P.M. County, State New Mexico
Eddy

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

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

Date December 1, 1938
R. J. Heard District Superintendent
Signed

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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[illegible]

2011A2 RETAW 151453Z

19	1988	1988
19	1988	1988

TRAINING RECORD

It is of the greatest importance to have a complete record of all wells. Please enter in detail the dates of recording, 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 pumps or bridges were put in to test for water, state the material used, position, and results of pumping or pumping.

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE: 1967

RECORDS & COMMUNICATIONS SECTION

[illegible]

SECRET

Horizontal	Vertical	Depth set
------------	----------	-----------

DATE: 10/12/72 BY: [illegible] TITLE: [illegible]

Doc#	Date	Time	Location	Remarks
1805-3088	11-28-68		1100	1100
"	"	"	1100	1100
"	"	"	1100	1100
"	"	"	1100	1100

CH211 210

1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409</
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237A d

It was well. cu. ft. per 24 hours	December 1
consisting of _____ % water; and _____ % sediment	December 1
The production for the past 24 hours was _____	December 1
_____ barrels of fluid of which _____ was oil.	December 1
Gallons gasoline per 1,000 cu. ft. of gas	December 1
Gravity, _____ °Ba. _____	December 1
Put to producing	December 1

237Y019143

1. O. O'Connell	Driller	Ben Porter
2. J. J. Farley	Driller	

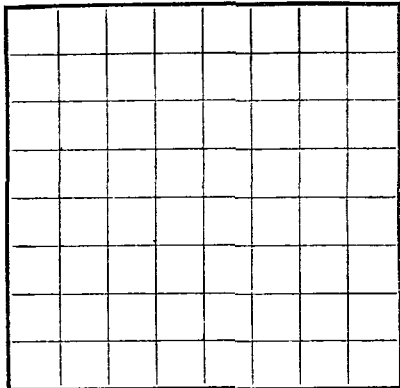
МОСКОВСКОЕ

LOCALITY	DEPTH	TEMP.	WIND
Off shore	0	31.8	0
Off shore	10	31.8	10
Off shore	20	31.8	20
Off shore	30	31.8	30
Off shore	40	31.8	40
Off shore	50	31.8	50
Off shore	60	31.8	60
Off shore	70	31.8	70
Off shore	80	31.8	80
Off shore	90	31.8	90
Off shore	100	31.8	100
Off shore	110	31.8	110
Off shore	120	31.8	120
Off shore	130	31.8	130
Off shore	140	31.8	140
Off shore	150	31.8	150
Off shore	160	31.8	160
Off shore	170	31.8	170
Off shore	180	31.8	180
Off shore	190	31.8	190
Off shore	200	31.8	200
Off shore	210	31.8	210
Off shore	220	31.8	220
Off shore	230	31.8	230
Off shore	240	31.8	240
Off shore	250	31.8	250
Off shore	260	31.8	260
Off shore	270	31.8	270
Off shore	280	31.8	280
Off shore	290	31.8	290
Off shore	300	31.8	300

FORMATION RECORD—Continued

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 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'
(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 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"	32.75#	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 ~~SHOCKING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth set created	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, 80° °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

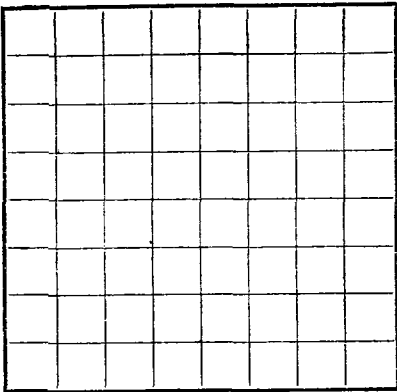
FORMATION RECORD

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 DRILLER'S LOG, AT _____ STATE

Form 9-330

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'
(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 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 1/4"	32.75#	8rd	Used	400'	Regular	402'			Salt String
8	5/8"	22#	8rd	Used	1950'	Pattern	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 1/4"	402	None	Obtained formation shut-off		
	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

July 10, 1959 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, XXX °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

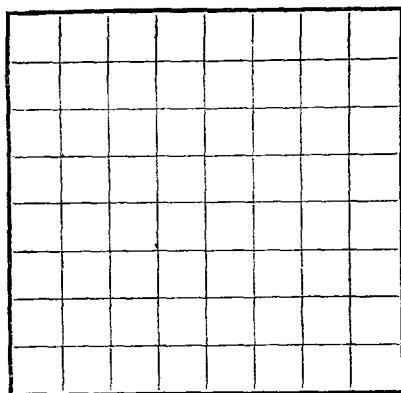
E. W. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

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, WRITE DATE

Form 9-330

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.} of S. Line and 1980 ft. {E.} 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 September 8, 1959 Title E. J. Heard 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 1/2"	22	8	Used	1840'	Pattern	1798'			Water String
7"	20	8	Used	1840'	Pattern	1798'			Water String
5 1 1/2"	14	8	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 1/4"	374'	None	Obtained formation shut-off		
7"	1840'	None	Pump & Plug	Heavy	30 sacks Aquagel
5 1 1/2"	2019'	150			

PLUGS AND ADAPTERS

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

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		20% HCL	500 gals.	8-30-59	2019-2047'	
		Crude Oil	61,500 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 _____ feet to 2047 feet, and from _____ feet to _____ feet

DATES

_____ September 8, 19____ Put to producing _____ September 1, 1959The production for the first 24 hours was 605 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé 66 °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

FORMATION RECORD—Continued

16-43094-4

Form 9-330

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. 163 R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N of S Line and 660 ft. W 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	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	20#	8rd	National	1913'	Regular	1913'			Water String
	7"	24#	10V	Used	2064'	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"	390'	None	Obtained formation shut-off		
8	5/8"	1913'	None	Pump & Plug	Heavy	35 sacks Aquagel
	7"	2067'	150	" "		

PLUGS AND ADAPTERS

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

FRACTURING ~~SHOCKING~~ RECORD

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

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, 86° 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

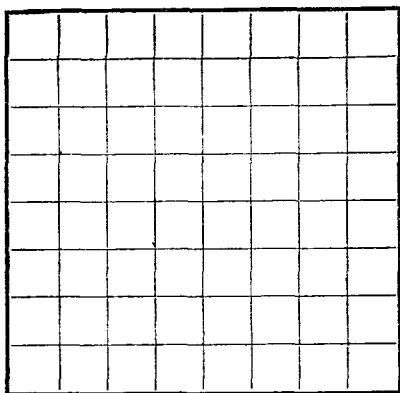
_____ E. W. Farr, Driller _____ Ben Porter, Driller
_____ E. T. Hancy, Driller _____, Driller

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

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

Form 9-330

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, Leon 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'**
(Derrek 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. HeardTitle **District Superintendent**Date **April 7, 1959**

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"	32.74	8rd	Used	217'	Regular	2087'			Water 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 _____ 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, **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

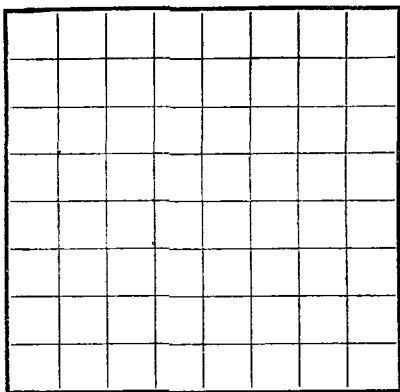
FORMATION RECORD

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 TOP OF THE DRILLER'S LOG, STATE WHEN

Form 9-330

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. N. of N. Line and 660 ft. E. 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"	42.75#	8rd	Used	1993'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1831'	Regular				Water String
7"	23#	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"	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 ~~XXXXXXXX~~ SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Created	
		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, °Bé XXX °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

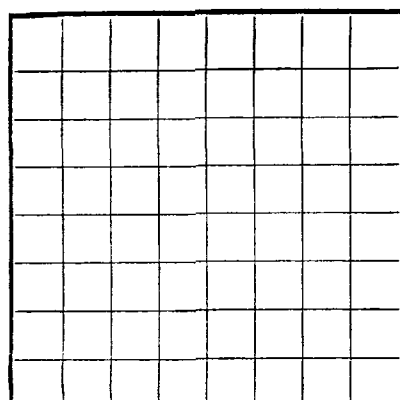
B. C. Crooks, Driller J. E. Wilcox, Driller
L. P. Jennings, Driller _____, Driller

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, ADD (REQUIRED) LOGS, STATE (REQUIRED) FROM EL OR SAMPLES.

Form 9-330

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

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 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, 1960Title B. 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, 1960OIL 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	3/4"	32.75#	8rd	Used	381'	Regular	381'			Surface String
8	5/8"	28#	8rd	Used	923'	Regular	923'			Water String
	7"	20#	8rd	Used	1873'	Regular	1873'			Water String
5	1 1/2"	14#	8rd	New	2079'	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"	381'	None	Obtained formation shut-off		
8	5/8"	923'	None	Obtained formation shut-off		
	7"	1873'	None	Pump & Plug	Heavy	15 sacks Aquagel
5	1 1/2"	2050'	150 + 50	" "		

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.	1-20-60	2050-2079'	
		Crude Oil	53,634 "	"	" "	
		Ottawa Sand	280,000 lbs.	"	" "	

TOOLS USED

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

DATES

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, DE °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

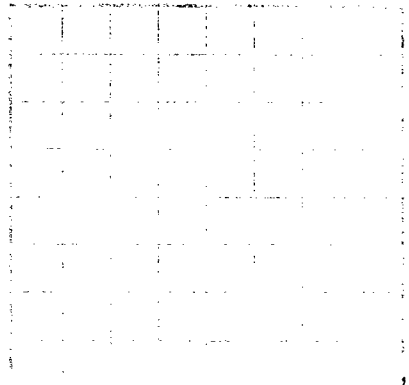
J. G. Crow, Driller G. H. Harris, Driller
E. T. Haney, Driller J. E. Wilcox, Driller

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	SIM
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

(OVER)

16-43094-5



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

MAINTENANCE LOG
1953 FEB 7 AM 11 53

OIL OR GAS SANDS OR SOLIDS

IMPORTANT WATER SANDS

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 "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

FROM—	TO—	TOTAL FEET	FORMATION
2016	2052	36	2016
2052	2076	24	2052
2076	2079	3	2076
FORMATION RECORD			
EXPLANATION			
THINGS USED			
SHOOTING RECORD			
PLUGS AND BRIDGES			
FLOODING AND CEMENTING RECORD			

Form 9-330

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 061638LEASE OR PERMIT TO PROSPECT BrewerUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Wildcat State New Mexico
Well No. 1 Sec. 14 T. 16-S-29-E Meridian N.M.P.M. County Eddy
Location 660 ft. XX of N Line and 660 ft. XX 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 _____

Date Sept. 2, 1958 Title R. J. Heard 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"	380	8rd	used	2059'	Galico				Water string
8 5/8"	1885	8rd	used	2061'	Galico				Prod. String
7"	2061	8rd	used	2059'	Galico				

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"	1885'	None	Pump & Plug	Heavy	50 sacks Aquagel
7"	2061'	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
		Materials			not treated	
		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 _____ feet to _____ 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

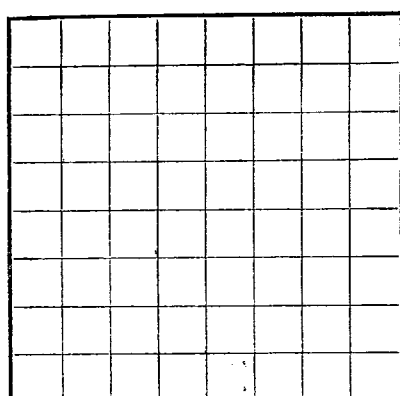
FROM—	TO—	TOTAL FEET	FORMATION
0	110	110	Red shale & sand
110	318	208	Red shale
318	350	32	Anhy
350	370	20	Red shale
370	378	8	Anhy
378	380	2	SLM
380	473	93	Anhy & red shale
473	890	417	Salt
890	1180	290	Anhy
1180	1305	125	Anhy & shale
1305	1353	48	Anhy
1353	1359	6	Brown sandy shale
1359	1510	151	Anhy
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	Anhy

FORMATION RECORD—CONTINUED

16-48094-4

AT THE END OF COMPLETE DRILLER'S
LOG, ADDITIONAL INFORMATION
WHEN AVAILABLE, SHOULD BE
ENTERED IN THE FOLLOWING SPACE

Form 9-830

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. XXX of N Line and 1980 ft. XXX of E Line of Section 14 Elevation 3729'
(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 February 18, 1959 Title D. J. Heard 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"	42.7	8rd	Used	1878	Regular	1878			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 ~~SHOOTING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot	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, 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. 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	SLM
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

FORMATION RECORD—Continued

10-43094-4

AT THE END OF COMPLETE DRILLER'S LOG, ENTER DATE

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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. 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 R. 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, 1959OIL 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"	20.4#	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			XXX treated	
		20% HCl	500 gals.	10-8-59	1991-2022'	
		Crude 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 _____ 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, °Bé XXXX °API 39°
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

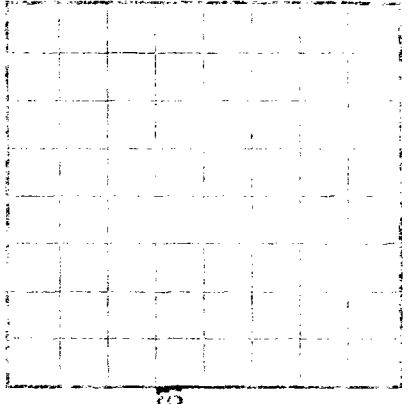
FORMATION RECORD

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

AT THE END OF COMPLETE DRILLING LOG, ADD CIRCULAR TOPS, STATE WHETHER FROM LL OR SAMPLES.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company _____
Lessor or Trust _____
Well No. _____
Location _____
The determination given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

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

OIL OR GAS SANDS OR ZONES

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

IMPORTANT WATER SANDS

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

CASING RECORD

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

HISTORY OF OIL OR GAS WELL

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

PLUGS AND ADAPTIVE

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

SHOOTING RECORD

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

TOOLS USED

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

DATES

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

REMARKS

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

FORMATION RECORD

_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____
_____ ft. from _____ to _____ ft. from _____

FORMATION

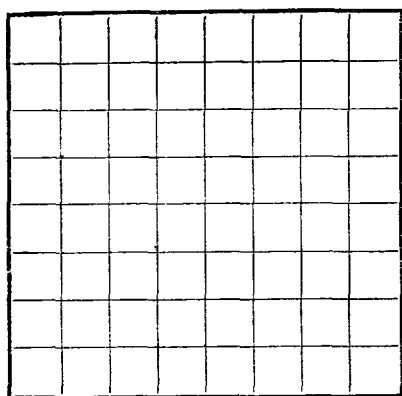
TOTAL FEET

TO

FROM

Form 9-380

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'
(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.

Date December 9, 1959 Signed H. J. Heard
Title District Superintendent

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

Commenced drilling October 20, 19 59 Finished drilling November 16, 19 59

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"	28 1/2	8	Used	1987'	Pattern				Water String
8 5/8"	28 1/2	8	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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		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, 19 59 Put to producing December 9, 19 59

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, 86° 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. G. 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

FORMATION RECORD—Continued

THE END OF COMPLETE DRILLER
AND GEOLOGICAL RECORD STATE

1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATED WELL CORRECTLY

206 FEB 1963

The amount on this page is for the connection of the well at above date.

Received of _____
Secretary of State

Signed _____
T. W. Neal

The information given herewith is a complete and correct record of the well and all work done thereon
after as can be determined from all available records.

Location _____ of _____ line and _____ ft. _____ of _____ line of _____ Station is _____ Elevation _____
Well No. _____ Sec. _____ T. _____ R. _____ S. _____ Meridian _____ County _____ State _____

Inspector of Mines _____
Company _____
Address _____

Completed drilling _____ 10-22-68 _____
 Finished drilling _____ 10-22-68 _____
 The summary on this page is for the condition of the well at above date.

ONE OF OUR SANDS OF TONES

(2) and (3) are also satisfied.

[illegible]

REPORT WATER STRESS

No. 3 from	1968	to	1970	No. 3 from
No. 4 from	1968	to	1970	No. 4 from

CHANGING RECORDS

DATE	TO WHOM ISSUED	FOR WHAT PURPOSE	BY WHOM ISSUED	REMARKS
1944	...	...	...	...

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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

GENERAL INFORMATION			
DATE	WELL NO.	SECTION	DEPTH
1900	1000	1000	1000
1901	1001	1001	1001
1902	1002	1002	1002
1903	1003	1003	1003
1904	1004	1004	1004
1905	1005	1005	1005
1906	1006	1006	1006
1907	1007	1007	1007
1908	1008	1008	1008
1909	1009	1009	1009
1910	1010	1010	1010
1911	1011	1011	1011
1912	1012	1012	1012
1913	1013	1013	1013
1914	1014	1014	1014
1915	1015	1015	1015
1916	1016	1016	1016
1917	1017	1017	1017
1918	1018	1018	1018
1919	1019	1019	1019
1920	1020	1020	1020
1921	1021	1021	1021
1922	1022	1022	1022
1923	1023	1023	1023
1924	1024	1024	1024
1925	1025	1025	1025
1926	1026	1026	1026
1927	1027	1027	1027
1928	1028	1028	1028
1929	1029	1029	1029
1930	1030	1030	1030
1931	1031	1031	1031
1932	1032	1032	1032
1933	1033	1033	1033
1934	1034	1034	1034
1935	1035	1035	1035
1936	1036	1036	1036
1937	1037	1037	1037
1938	1038	1038	1038
1939	1039	1039	1039
1940	1040	1040	1040
1941	1041	1041	1041
1942	1042	1042	1042
1943	1043	1043	1043
1944	1044	1044	1044
1945	1045	1045	1045
1946	1046	1046	1046
1947	1047	1047	1047
1948	1048	1048	1048
1949	1049	1049	1049
1950	1050	1050	1050
1951	1051	1051	1051
1952	1052	1052	1052
1953	1053	1053	1053
1954	1054	1054	1054
1955	1055	1055	1055
1956	1056	1056	1056
1957	1057	1057	1057
1958	1058	1058	1058
1959	1059	1059	1059
1960	1060	1060	1060
1961	1061	1061	1061
1962	1062	1062	1062
1963	1063	1063	1063
1964	1064	1064	1064
1965	1065	1065	1065
1966	1066	1066	1066
1967	1067	1067	1067
1968	1068	1068	1068
1969	1069	1069	1069
1970	1070	1070	1070
1971	1071	1071	1071
1972	1072	1072	1072
1973	1073	1073	1073
1974	1074	1074	1074
1975	1075	1075	1075
1976	1076	1076	1076
1977	1077	1077	1077
1978	1078	1078	1078
1979	1079	1079	1079
1980	1080	1080	1080
1981	1081	1081	1081
1982	1082	1082	1082
1983	1083	1083	1083
1984	1084	1084	1084
1985	1085	1085	1085
1986	1086	1086	1086
1987	1087	1087	1087
1988	1088	1088	1088
1989	1089	1089	1089
1990	1090	1090	1090
1991	1091	1091	1091
1992	1092	1092	1092
1993	1093	1093	1093
1994	1094	1094	1094
1995	1095	1095	1095
1996	1096	1096	1096
1997	1097	1097	1097
1998	1098	1098	1098
1999	1099	1099	1099
2000	1100	1100	1100

FORMATION RECORD—Continued

100

Form 9-330

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 Lonesome State New Mexico
Well No. 26 Sec. 12 T16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of 3 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 1959 Finished drilling December 19, 1959

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"	32.75#	8rd	Used	415'	Paterson	425'			Salt String
8-5/8"	28#	8rd	Used	2002'	Paterson	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 ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth set	Depth cleaned out
		Material _____			treated	
		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 0 feet to 2116 feet, and from _____ feet to _____ feet

DATES

January 14, 1960 Put to producing December 25, 1959
The production for the first 24 hours was 368 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 88.6 835.00
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. O. Carrey, Driller J. G. Crow, Driller
D. C. 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	SIM
1929	2038	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

1000 900 800 700 600 500 400 300 200 100 0

1963 FEB 7 AM 8 54

1968 FEB 7 AM 8 54

(3) $\forall n \exists m$ such that:

(b) $\frac{1}{2} \times 100 = 50\%$ of the total population is female.
 (c) $\frac{1}{2} \times 100 = 50\%$ of the total population is male.

1. The first step is to identify the problem. This involves understanding the situation and the goals that need to be achieved. It is important to gather all relevant information and to define the problem clearly.

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.

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued

Form 9-830

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT _____
BrewerUNITED 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. 20 Sec. 14 T16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ~~XXX~~ of N. Line and 1980 ~~XXX~~ 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 November 2, 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 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 RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot treated	Depth cleaned out
		20% HCL	500 gals.	10-1-59	2023-2052'	
		Grude 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 _____ feet to 2052 feet, and from _____ feet to _____ feet

DATES

November 2, 1959 Put to producing October 12, 1959The production for the first 24 hours was 64 barrels of fluid of which 100% was oil; 0%
emulsion; 0% water; and 0% sediment. Gravity 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

_____, Driller _____, Driller
E. W. Parr _____, Driller Ben Porter
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	Lined 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

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

(OVER)

16-48094-5

UNIT 1A
STATION 2
20 JANUARY 1963 10:30 AM

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			FORMATION RECORD
			EMERALD
			WATER
			TOOLING
			SHOOTING
			TRUCK AND APPARATUS
			RECORDING AND COMMENTING RECORD

16—45004-2 U. S. GOVERNMENT PRINTING OFFICE

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, 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.

CASING RECORD

IMPORTANT WATER BANDS

GAS ON GAS SANDS OR ZONES

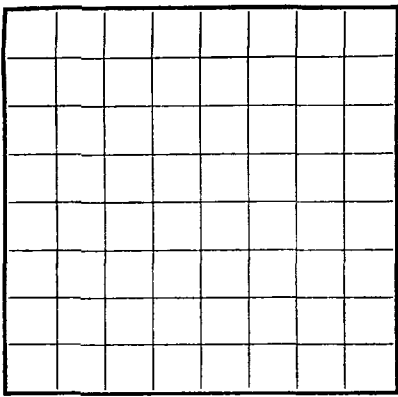
LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

MAIL OFFICE OCC

1963 FEB 7 AM 8:55

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. 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 R. 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 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>441'</u>	<u>Regular</u>	<u>441'</u>			<u>Ball String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>1941'</u>	<u>Pattern</u>	<u>1941'</u>			<u>Water String</u>
<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2112'</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>441'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1941'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>
<u>7"</u>	<u>2115'</u>	<u>150</u>	<u>" "</u>	<u>"</u>	

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth set	Depth cleaned out
		<u>20% HCl</u>	<u>500 gals.</u>	<u>11-22-59</u>	<u>2115-2133'</u>	
		<u>Crude Oil</u>	<u>58,842 gals.</u>	<u>"</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>240,000 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 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, 88.6 API 35.000

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

AT THE BUREAU OF LAND SURVEY
LOG AND SECTION RECORDS
WESTERN DISTRICT

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1920	1981	61	Argy
1961	1983	2	Blue shale
1963	2035	52	Argy
2035	2065	30	Argy and sandy shale
2065	2105	40	Argy
2105	2116	11	Sandy lime
2116	2133	17	Sand

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.

CASING RECORD

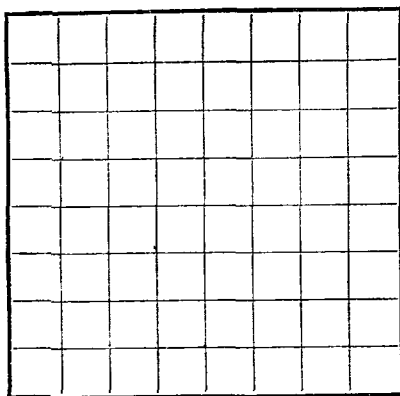
WATER TABLE

LOG ON GAS OR OIL

FILED OFFICE
FEB 7 1954
AM 9 54

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 9-330

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. 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 District Superintendent
Date December 1, 1958 Title Superintendent

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"	54.75	8rd	Used	2052'	Guide				Prod. String
8 5/8"	28 1/2	8rd	Used	1850'	Packer				Water 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"	2035	150	Pump & Plug	Heavy	15 sacks Aquagel

PLUGS AND ADAPTERS

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

STIMULATION

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		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 _____ feet to 2084' feet, and from _____ feet to _____ feet

DATES

December 1, 1958 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 _____, Driller

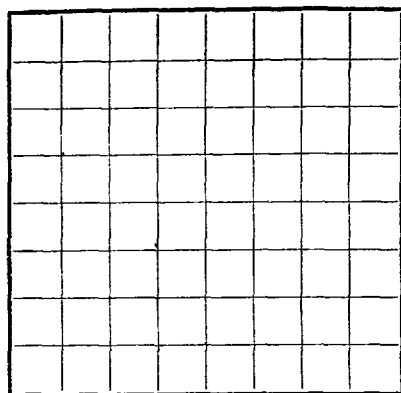
FORMATION RECORD

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 DRILLER'S LOG, SEE PAGE 105.

FORMATION RECORD—Continued

Form 9-330

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. **E.** of **E** Line of **Section 11** 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 _____

Date **April 28, 1959**Title **District Superintendent**

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

Commenced drilling **March 25**, 19**59** Finished drilling **April 20**, 19**59**

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"	38.75	8rd	Used	1850'	Regular	1850'			Water String
8 5/8"	28	8rd	Used	1859'	Regular	1870'			Water String
7"	23 1/2	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	Material used	Quantity	Date	Depth shot	Depth cleaned out
		20% HCl	500 gals.	4-21-59	2059-86'	
		Grade 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**, 19**59** Put to producing _____ **April 28**, 19**59**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, **1.134** °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. G. Crooks**, Driller _____ **Hollis Gray**, Driller
_____ **E. W. Farr**, Driller _____ **Ben Porter**, Driller

FORMATION RECORD

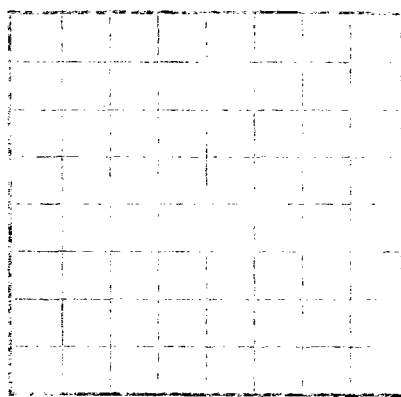
FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Sand & caliche
10	235	225	Sand & shale
235	314	79	Shale & anhy
314	327	13	Gravel
327	346	19	Gravel & shale
346	358	12	Broken anhy
358	396	38	Red shale
396	481	85	Anhy
481	892	411	Salt
892	1013	121	Anhy
1013	1066	53	Anhy & lime
1066	1073	7	Red shale
1073	1131	58	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

FORMATION RECORD—Continued

16-43094-4

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company name and address
Location of well
Well No.
Date
The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.
Signed
Title
The summary on this page is for the condition of the well at above date.
Commenced drilling
Finished drilling

OIL OR GAS SANDS OR ZONES

From to
From to
From to

IMPORTANT WATER SANDS

From to
From to

CASING RECORD

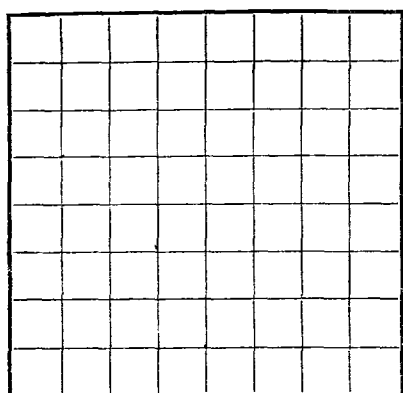
Kind of pipe
Length of pipe
Date of running
Remarks
The greatest importance to have a complete history of the well. Please state in detail the dates of running, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. All pipes 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

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

FORMATION RECORD—Continued

Form 9-830

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'
(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 July 10, 1959 Title B. 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"	42.75#	8.625	Used	402'	Regular	402'			Water String
8 5/8"	23.7	8.625	Used	1950'	Pattern	1951'			Water String
7"	23 & 24#	8.625 & 10.0	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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Treated	
		20% HCl	500 gals.	6-29-59	2105-2134'	
		Crude Oil	50,716 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

July 10, 1959 Put to producing July 7, 1959The production for the first 24 hours was 96 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, xxx °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

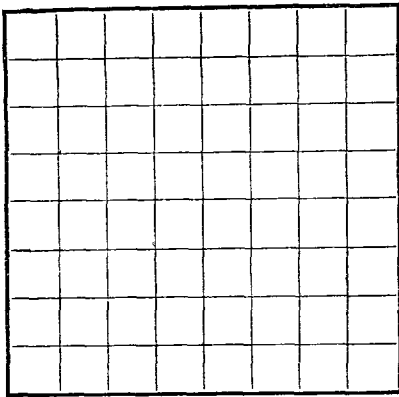
FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Red shale
260	360	100	Anhy
360	450	90	Red shale
450	495	45	Anhy
495	915	420	Salt
915	1046	131	Anhy
1046	1085	39	Lime
1085	1224	139	Anhy & shale
1224	1250	26	Lime
1250	1310	60	Anhy
1310	1332	22	Lime
1332	1663	331	Anhy
1663	1668	5	Red shale
1668	1867	199	Anhy
1867	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

FORMATION RECORD—Continued

16-43094-4

AT THE END OF COMPLETE DRILLER'S LOG

Form 9-880

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 MexicoLessor or Tract Brewer Field High Lonesome State New MexicoWell No. 15 Sec. 12 T. 163R 29E Meridian N.M.P.M. County EddyLocation 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"	28.7	8.0	Used	1938'	Paterson				Water String
8 5/8"	20#	8rd	Pittsburg	2057'	Galas				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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		20% HCl	500 gals.	8-5-59	2060-2090'	
		Crude Oil	67,218 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 0 feet to 2090 feet, and from _____ feet to _____ feet

DATES

August 12, 1959 Put to producing August 11, 1959The production for the first 24 hours was 312 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé xxx °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

_____, Driller _____, Driller

Truman Jacobs, Driller Charley Powell, DrillerAl 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	Anhy
1943	1947	4	Anhy
1947	1971	24	Anhy
1971	1976	5	Sand
1976	2000	24	Anhy

FORMATION RECORD—Continued

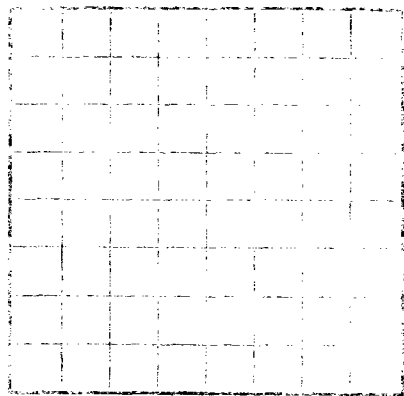
16-43094-4

FOLD MARK

AT THE END OF COMPLETE DRILL LOG FOR THIS WELL, STATE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company, General American Oil Co., Inc., Address, P. O. Box 111, Houston, Texas
Lessor or Trust, T. H. R. & M. Co., Inc., Address, P. O. Box 111, Houston, Texas
Well No., 111
Location, 111
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed, _____
Date, _____
Title, _____
The summary on this page is for the condition of the well at above date.
Commenced drilling, _____
Finished drilling, _____

OIL OR GAS SANDS OR ZONES

(Denote feet by f)

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

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 added, state in the well, give 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.

HISTORY OF OIL OR GAS WELL

MEASURING AND CEMENTING RECORD

Amount of cement used _____
Kind of cement _____
Date _____

TESTS AND SAMPLES

Depth and location _____

SHOOTING RECORD

Depth shot _____
Kind of shot _____
Date _____

TOOLS USED

Tools used from _____ to _____
Tools used from _____ to _____

DATES

Put to producing _____
The production for the first 24 hours was _____
It gas well, out ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Emulsion; _____% water; and _____% sediment.

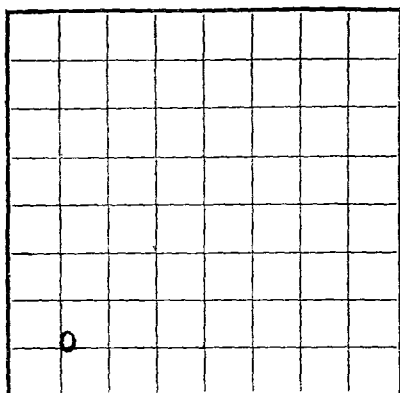
EMPLOYEES

Driller, _____
Driller, _____

FORMATION RECORD

FORMATION	DEPTH	THICKNESS	DESCRIPTION
2000	100	10	Red & red beds
1900	110	10	Red & red beds
1800	120	10	Red & red beds
1700	130	10	Red & red beds
1600	140	10	Red & red beds
1500	150	10	Red & red beds
1400	160	10	Red & red beds
1300	170	10	Red & red beds
1200	180	10	Red & red beds
1100	190	10	Red & red beds
1000	200	10	Red & red beds
900	210	10	Red & red beds
800	220	10	Red & red beds
700	230	10	Red & red beds
600	240	10	Red & red beds
500	250	10	Red & red beds
400	260	10	Red & red beds
300	270	10	Red & red beds
200	280	10	Red & red beds
100	290	10	Red & red beds
0	300	10	Red & red beds

Form 9-330



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 **Undesignated** State **New Mexico**
Well No. **2** Sec. **12** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **660 ft. [N.] of S. Line and 660 ft. [E.] of W. Line of Section 12** 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 _____

Date **October 20, 1958**Title **B. J. Heard District Superintendent**

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

Commenced drilling **September 4, 1958** Finished drilling **October 5, 1958**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1343'** to **1358' (G)** No. 4, from _____ to _____
No. 2, from **2060'** to **2070'** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **352'** to **362'** No. 3, from _____ to _____
No. 2, from **1828'** to **1836'** 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"	42.5	8	Howell	408'	Regular	408'			Salt string
8 5/8"	26.5	8	Howell	1857'	Regular	1857'			Water string
7"	23	8	Mixed	2058'	Guide	2058'			Prod. string
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	408'	None	Obtained formation shut-off		
8 5/8"	1857'	None	Obtained formation shut-off		
7"	2060'	150	Pump & Plug	Heavy	50 bbls.

PLUGS AND ADAPTERS

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

STIMULATION SUBSIDING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		20% HCl	500 gals.	10-12-58	2060-2080'	
		Crude Oil	53,424 gals.	10-12-58		
		Ottawa Sand	85,000 lb.			

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to **2710** feet, and from _____ feet to _____ feet

DATES

October 20, 1958 Put to producing **October 16**, 1958The production for the first 24 hours was **396** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. **°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 **Ben Porter**, Driller
D. C. Crooks, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	237	237	Red shale & sand
237	362	125	Anhy & gyp
362	405	43	Red shale
405	413	8	Anhy & gyp
413	445	32	Red shale
445	463	18	Anhy
463	890	427	Salt
890	1055	165	Anhy
1055	1070	15	Lime
1070	1118	48	Red shale
1118	1206	88	Shale & anhy
1206	1886	680	Anhy
1886	1900	14	Anhy & red shale
1900	2000	100	Anhy
2000	2048	48	Anhy & red shale
2048	2085	37	Sand
2085	2108	23	Anhy
2108	2220	112	Anhy & red shale
2220	2258	38	Anhy
2258	2284	26	Lime & anhy
2284	2335	51	Anhy
2335	2450	115	Lime
2450	2482	32	Red shale & anhy
2482	2474	8	Anhy
2474	2498	24	Anhy & lime
2498	2507	9	Anhy
2507	2521	14	Anhy & lime

FORMATION RECORD CONTINUED

16-43094-4

AT THE END OF EACH DAY THE DRILLER'S LOG SHOULD BE FILED IN THE STATE LOG BOOK.

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. **14** Sec. **13** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1980** ft. **S.** of **N** Line and **1980** ft. **E.** 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**, 19**59** Finished drilling **July 25**, 19**59**

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	2135'	Pattern	2115'			Salt Water
8 5/8"	23	8rd	Used	1976'	Pattern	1955'			Water String
7"	20	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	Material 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 _____ feet to **2637** feet, and from _____ feet to _____ feet

DATES

_____ **August 7**, 19**59** Put to producing _____ **August 6**, 19**59**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, **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	1470	415	Anhy
1470	1705	35	Anhy & shale
1705	1875	170	Anhy
1875	1895	20	Red sand
1895	1955	60	Anhy
1955	1950	5	SLM
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Line
2039	2095	56	Anhy & shale

AT THE END OF COMPLETE DRILLER'S
LOG, ANY OTHER LOGS, STATE
LOGS, AND OTHER LOGS, STATE
LOGS, AND OTHER LOGS, STATE

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2095	2114	19	very fine sand
2114	2130	16	very fine sand
2130	2137	7	very fine sand
2137	2140	3	very fine sand
2140	2147	7	very fine sand
2147	2150	3	very fine sand
2150	2155	5	very fine sand
2155	2160	5	very fine sand
2160	2165	5	very fine sand
2165	2175	10	very fine sand
2175	2180	5	very fine sand
2180	2185	5	very fine sand
2185	2190	5	very fine sand
2190	2195	5	very fine sand
2195	2200	5	very fine sand
2200	2205	5	very fine sand
2205	2210	5	very fine sand
2210	2215	5	very fine sand
2215	2220	5	very fine sand
2220	2225	5	very fine sand
2225	2230	5	very fine sand
2230	2235	5	very fine sand
2235	2240	5	very fine sand
2240	2245	5	very fine sand
2245	2250	5	very fine sand
2250	2255	5	very fine sand
2255	2260	5	very fine sand
2260	2265	5	very fine sand
2265	2270	5	very fine sand
2270	2275	5	very fine sand
2275	2280	5	very fine sand
2280	2285	5	very fine sand
2285	2290	5	very fine sand
2290	2295	5	very fine sand
2295	2300	5	very fine sand
2300	2305	5	very fine sand
2305	2310	5	very fine sand
2310	2315	5	very fine sand
2315	2320	5	very fine sand
2320	2325	5	very fine sand
2325	2330	5	very fine sand
2330	2335	5	very fine sand
2335	2340	5	very fine sand
2340	2345	5	very fine sand
2345	2350	5	very fine sand
2350	2355	5	very fine sand
2355	2360	5	very fine sand
2360	2365	5	very fine sand
2365	2370	5	very fine sand
2370	2375	5	very fine sand
2375	2380	5	very fine sand
2380	2385	5	very fine sand
2385	2390	5	very fine sand
2390	2395	5	very fine sand
2395	2400	5	very fine sand
2400	2405	5	very fine sand
2405	2410	5	very fine sand
2410	2415	5	very fine sand
2415	2420	5	very fine sand
2420	2425	5	very fine sand
2425	2430	5	very fine sand
2430	2435	5	very fine sand
2435	2440	5	very fine sand
2440	2445	5	very fine sand
2445	2450	5	very fine sand
2450	2455	5	very fine sand
2455	2460	5	very fine sand
2460	2465	5	very fine sand
2465	2470	5	very fine sand
2470	2475	5	very fine sand
2475	2480	5	very fine sand
2480	2485	5	very fine sand
2485	2490	5	very fine sand
2490	2495	5	very fine sand
2495	2500	5	very fine sand
2500	2505	5	very fine sand
2505	2510	5	very fine sand
2510	2515	5	very fine sand
2515	2520	5	very fine sand
2520	2525	5	very fine sand
2525	2530	5	very fine sand
2530	2535	5	very fine sand
2535	2540	5	very fine sand
2540	2545	5	very fine sand
2545	2550	5	very fine sand
2550	2555	5	very fine sand
2555	2560	5	very fine sand
2560	2565	5	very fine sand
2565	2570	5	very fine sand
2570	2575	5	very fine sand
2575	2580	5	very fine sand
2580	2585	5	very fine sand
2585	2590	5	very fine sand
2590	2595	5	very fine sand
2595	2600	5	very fine sand
2600	2605	5	very fine sand
2605	2610	5	very fine sand
2610	2615	5	very fine sand
2615	2620	5	very fine sand
2620	2625	5	very fine sand
2625	2630	5	very fine sand
2630	2635	5	very fine sand
2635	2640	5	very fine sand
2640	2645	5	very fine sand
2645	2650	5	very fine sand
2650	2655	5	very fine sand
2655	2660	5	very fine sand
2660	2665	5	very fine sand
2665	2670	5	very fine sand
2670	2675	5	very fine sand
2675	2680	5	very fine sand
2680	2685	5	very fine sand
2685	2690	5	very fine sand
2690	2695	5	very fine sand
2695	2700	5	very fine sand
2700	2705	5	very fine sand
2705	2710	5	very fine sand
2710	2715	5	very fine sand
2715	2720	5	very fine sand
2720	2725	5	very fine sand
2725	2730	5	very fine sand
2730	2735	5	very fine sand
2735	2740	5	very fine sand
2740	2745	5	very fine sand
2745	2750	5	very fine sand
2750	2755	5	very fine sand
2755	2760	5	very fine sand
2760	2765	5	very fine sand
2765	2770	5	very fine sand
2770	2775	5	very fine sand
2775	2780	5	very fine sand
2780	2785	5	very fine sand
2785	2790	5	very fine sand
2790	2795	5	very fine sand
2795	2800	5	very fine sand
2800	2805	5	very fine sand
2805	2810	5	very fine sand
2810	2815	5	very fine sand
2815	2820	5	very fine sand
2820	2825	5	very fine sand
2825	2830	5	very fine sand
2830	2835	5	very fine sand
2835	2840	5	very fine sand
2840	2845	5	very fine sand
2845	2850	5	very fine sand
2850	2855	5	very fine sand
2855	2860	5	very fine sand
2860	2865	5	very fine sand
2865	2870	5	very fine sand
2870	2875	5	very fine sand
2875	2880	5	very fine sand
2880	2885	5	very fine sand
2885	2890	5	very fine sand
2890	2895	5	very fine sand
2895	2900	5	very fine sand
2900	2905	5	very fine sand
2905	2910	5	very fine sand
2910	2915	5	very fine sand
2915	2920	5	very fine sand
2920	2925	5	very fine sand
2925	2930	5	very fine sand
2930	2935	5	very fine sand
2935	2940	5	very fine sand
2940	2945	5	very fine sand
2945	2950	5	very fine sand
2950	2955	5	very fine sand
2955	2960	5	very fine sand
2960	2965	5	very fine sand
2965	2970	5	very fine sand
2970	2975	5	very fine sand
2975	2980	5	very fine sand
2980	2985	5	very fine sand
2985	2990	5	very fine sand
2990	2995	5	very fine sand
2995	3000	5	very fine sand

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

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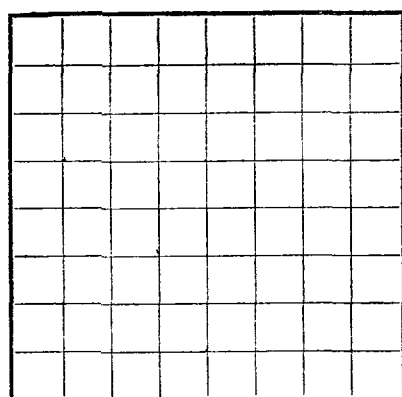
FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FORMATION RECORD—Continued

Form 9-330

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. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S Line and 1980 ft. E. 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 S. 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	1929'	Pattern	1929'			Water String
8 5/8"	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"	<u>420'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 5/8"	<u>1929'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>30 sacks Aquagel</u>
7"	<u>2077'</u>	<u>150</u>			

PLUGS AND ADAPTERS

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

STIMULATIONS SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>20% HCL</u>	<u>500 gals.</u>	<u>9-7-59</u>	<u>2077-2106'</u>	
		<u>Crude Oil</u>	<u>61,866 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>200,000 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 _____ feet to 2106 feet, and from _____ feet to _____ feet

DATES

_____ September 15, 1959 Put to producing _____ September 13, 1959The production for the first 24 hours was 433 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. Crabt_____, Driller _____G. H. Harris_____, Driller
_____J. C. Crow_____, Driller _____E. J. Parish_____, Driller

FORMATION RECORD

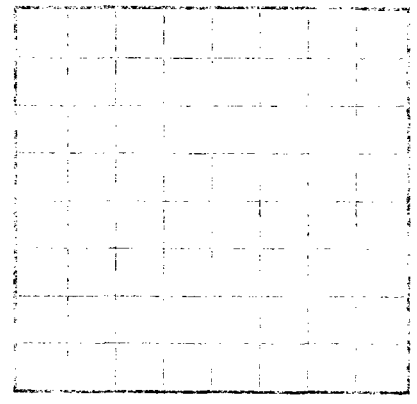
FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Red clay
45	225	180	Red shale
225	240	15	Gravel
240	295	55	Red shale
295	340	45	Broken anhy
340	360	20	Anhy
360	373	13	Sand
373	380	7	Red shale & gyp
380	420	40	Sandy shale
420	450	30	Anhy & shale
450	465	15	Red shale
465	478	13	Anhy
478	490	12	Anhy & gyp
490	500	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	1675	75	Broken anhy
1675	1675	0	Sandy shale
1675	1850	175	Anhy
1850	1860	10	Red sand

AT THE END OF COMPLETE DRILLER'S
LOG, ATTACH LOG TO TOP OF STATE
WELLHEAD FROM EACH OR SAME

FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Company _____
Lessor or Tract _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

The separator on this page is for the condition of the well at above date.
Commander Drilling _____
Oil or Gas Sands or Zones
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

Important Water Sands
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

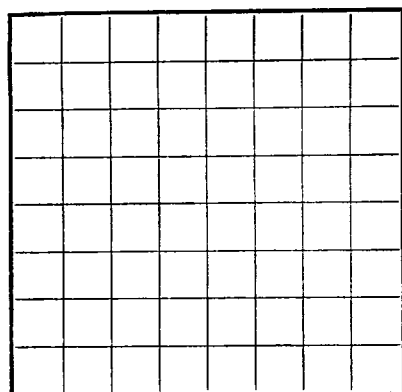
Casing Record
Casing _____
From _____ to _____
Casing _____
From _____ to _____
Casing _____
From _____ to _____

HISTORY OF OIL OR GAS WELL

DATE	FROM	TO	TOTAL FEET	FORMATION
1890	0	10	10	Shale
1892	10	20	20	Shale
1893	20	30	30	Shale
1894	30	40	40	Shale
1895	40	50	50	Shale
1896	50	60	60	Shale
1897	60	70	70	Shale
1898	70	80	80	Shale
1899	80	90	90	Shale
1900	90	100	100	Shale
1901	100	110	110	Shale
1902	110	120	120	Shale
1903	120	130	130	Shale
1904	130	140	140	Shale
1905	140	150	150	Shale
1906	150	160	160	Shale
1907	160	170	170	Shale
1908	170	180	180	Shale
1909	180	190	190	Shale
1910	190	200	200	Shale
1911	200	210	210	Shale
1912	210	220	220	Shale
1913	220	230	230	Shale
1914	230	240	240	Shale
1915	240	250	250	Shale
1916	250	260	260	Shale
1917	260	270	270	Shale
1918	270	280	280	Shale
1919	280	290	290	Shale
1920	290	300	300	Shale
1921	300	310	310	Shale
1922	310	320	320	Shale
1923	320	330	330	Shale
1924	330	340	340	Shale
1925	340	350	350	Shale
1926	350	360	360	Shale
1927	360	370	370	Shale
1928	370	380	380	Shale
1929	380	390	390	Shale
1930	390	400	400	Shale
1931	400	410	410	Shale
1932	410	420	420	Shale
1933	420	430	430	Shale
1934	430	440	440	Shale
1935	440	450	450	Shale
1936	450	460	460	Shale
1937	460	470	470	Shale
1938	470	480	480	Shale
1939	480	490	490	Shale
1940	490	500	500	Shale
1941	500	510	510	Shale
1942	510	520	520	Shale
1943	520	530	530	Shale
1944	530	540	540	Shale
1945	540	550	550	Shale
1946	550	560	560	Shale
1947	560	570	570	Shale
1948	570	580	580	Shale
1949	580	590	590	Shale
1950	590	600	600	Shale
1951	600	610	610	Shale
1952	610	620	620	Shale
1953	620	630	630	Shale
1954	630	640	640	Shale
1955	640	650	650	Shale
1956	650	660	660	Shale
1957	660	670	670	Shale
1958	670	680	680	Shale
1959	680	690	690	Shale
1960	690	700	700	Shale
1961	700	710	710	Shale
1962	710	720	720	Shale
1963	720	730	730	Shale
1964	730	740	740	Shale
1965	740	750	750	Shale
1966	750	760	760	Shale
1967	760	770	770	Shale
1968	770	780	780	Shale
1969	780	790	790	Shale
1970	790	800	800	Shale
1971	800	810	810	Shale
1972	810	820	820	Shale
1973	820	830	830	Shale
1974	830	840	840	Shale
1975	840	850	850	Shale
1976	850	860	860	Shale
1977	860	870	870	Shale
1978	870	880	880	Shale
1979	880	890	890	Shale
1980	890	900	900	Shale
1981	900	910	910	Shale
1982	910	920	920	Shale
1983	920	930	930	Shale
1984	930	940	940	Shale
1985	940	950	950	Shale
1986	950	960	960	Shale
1987	960	970	970	Shale
1988	970	980	980	Shale
1989	980	990	990	Shale
1990	990	1000	1000	Shale

FORMATION RECORD—Continued

Form 9-330

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. 24 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N of 3 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 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 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	449'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Regular	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 RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	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 _____ feet to 2147 feet, and from _____ feet to _____ feet

DATES

December 9, 1959 Put to producing December 9, 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

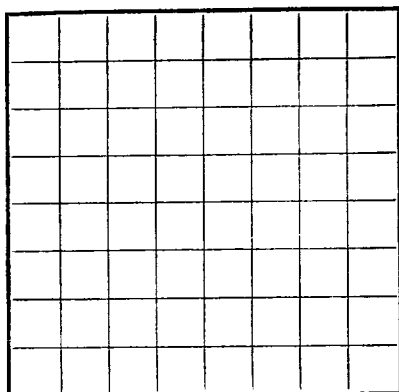
F. H. Farr, Driller Ben Porter, Driller
E. T. Haney, Driller _____, Driller

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

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

Form 9-330

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO **PROSPECT**
BrewerUNITED 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 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 5 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	995'	Regular	997'			Salt String
8 5/8"	23#	8rd	Used	1810'	Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	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 ~~SMOOTHING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth used 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 2036 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, 89.1 °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

100% 80% 60% 40% 20% 0%

[illegible]

17. 3200 35. 20(1)

DATE OF DEATH 11/20/94

110039 1-75210

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.

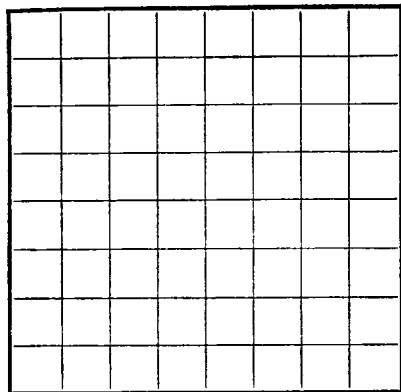
HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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Form 9-330

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



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 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 B. 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'			Self String
8 5/8"	28#	8rd	Used	1819'	Pilger	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 Cel
7"	2029'	150	" "	"	

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Material	Amount 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, ODé °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. E. Harrie, 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

00000000000000000000000000000000

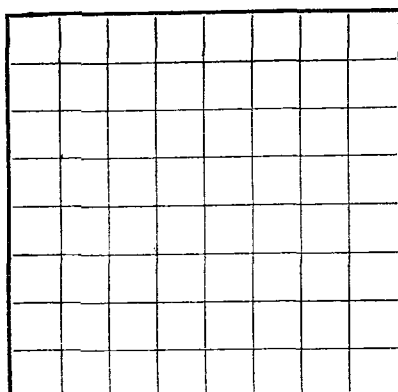
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HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued

Form 9-330

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. of 3 Line and 1980 ft. E. 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 September 8, 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 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"	22.75	8rd	Used	1871'	Pattern	3741'			Water String
7"	20.4	8rd	Used	1840'	Pattern	1798'			Water String
5 1/2"	14.3	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'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot treated	Depth cleaned out
		20% HCL	500 gals.	8-30-59	2019-2047'	
		Crude Oil	61,500 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 _____ feet to 2047 feet, and from _____ feet to _____ feet

DATES

Put to producing September 1, 1959

The production for the first 24 hours was 665 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, 84 °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

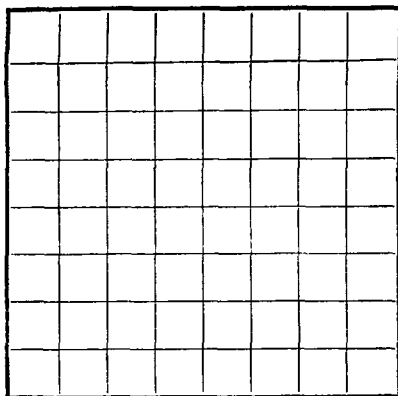
E. W. Farr, Driller Ben Porter, Driller
E. P. Hancy, Driller _____, Driller

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 COMPLETE DRILLERS LOG, ADD STATE WHETHER

Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 067610-A
LEASE OR PERMIT TO PROSPECT BosworthUNITED 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 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. (W) 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 U. J. Heard
Date June 4, 1959 Title 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>290'</u>	<u>Regular</u>	<u>390'</u>			<u>Salt String</u>
8	<u>5/8"</u>	<u>20</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 ~~SHOCKING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth created	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, BA 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. _____

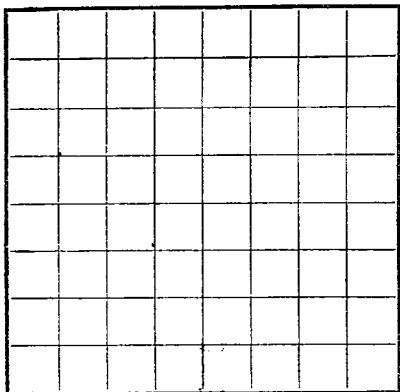
EMPLOYEES

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	2092	24	Sand & sandy lime
2092	2097	5	Sand
2097	2101	4	Anhy

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



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. 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'
(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 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 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	1947	Regular	1947			Water string
8 5/8"	28	8rd	Used	1947	Regular	1947			Water string
7"	23	8rd	Used	2081	Guide	2081			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, 10.6 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

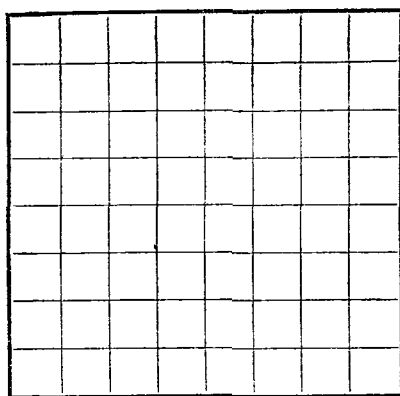
M. H. Grabb, Driller E. J. Parish, Driller
J. G. Crow, Driller _____, Driller

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

ALL INFORMATION OF COMPLETE DRILLERS
STATE

Form 9-330

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. **XX** of **N** Line and **1977** ft. **XX** 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.

Signed **R. J. Heard**
Date **June 2, 1959** 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 3/4"	32.75	8rd	Used	435'	Regular	435'			Salt String
8 5/8"	22.1	8rd	Used	1929'	Pat. 11	1929'			Water String
7"	23.0	8rd	Used	2065'	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"	435'	None	Obtained formation shut-off		
8 5/8"	1929'	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2068'	150	" "		

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 **184.8** barrels of fluid of which **100**% was oil; **0**% emulsion; **0**% water; and **0**% sediment. Gravity, **XX** **API 35.50**

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. Grom, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Caliche
15	290	275	Shale
290	300	10	Cyp
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 COMPLETE DRILLER'S LOG, ADDITIONAL PAGE

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
240	230	10	Shale
230	220	10	Shale
220	210	10	Shale
210	200	10	Shale
200	190	10	Shale
190	180	10	Shale
180	170	10	Shale
170	160	10	Shale
160	150	10	Shale
150	140	10	Shale
140	130	10	Shale
130	120	10	Shale
120	110	10	Shale
110	100	10	Shale
100	90	10	Shale
90	80	10	Shale
80	70	10	Shale
70	60	10	Shale
60	50	10	Shale
50	40	10	Shale
40	30	10	Shale
30	20	10	Shale
20	10	10	Shale
10	0	10	Shale

PROPERTIES

If gas well, give the gas pressure, the gas gravity, and the gas content of the gas. If oil well, give the oil gravity, the oil content of the oil, and the oil content of the gas. If water well, give the water content of the water, and the water content of the gas.

DATES

Give the date when the well was first drilled, and the date when it was first used for production.

TOOLS USED

Give the name of the tool used, and the date when it was used.

THROTTLING RECORD

Give the date when the well was throttled, and the reason for throttling.

STOPS AND RESTARTS

Give the date when the well was stopped, and the reason for stopping.

FOUNDING AND CHANGING RECORD

Give the date when the well was founded, and the reason for founding.

HISTORY OF OIL OR GAS WELL

Give the date when the well was first drilled, and the date when it was first used for production.

Give the date when the well was first drilled, and the date when it was first used for production.

CASING RECORD

Give the date when the casing was first installed, and the date when it was last installed.

IMPORTANT WATER SANDS

Give the date when the water sands were first discovered, and the date when they were last discovered.

OLD OR GAS SANDS OR ZONES

Give the date when the old or gas sands or zones were first discovered, and the date when they were last discovered.

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

The information given herein is a complete and correct record of the well and all work done thereon.

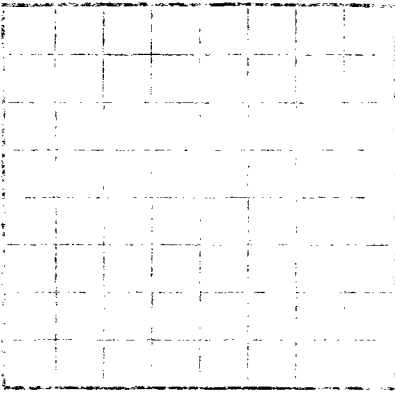
Location of well, name and address of owner, and name of person in charge of the well.

Section, Township, Range, and County.

Field, State, and County.

Company, and address.

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Geological Survey, Department of the Interior, United States, and address.

Form 9-330

Exhibit 2-u

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. 13 Sec. 14 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 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	1993'	Regular	400'			Water String
8 5/8"	28 1/2	8rd	Used	1831'	Pattern	1993'			Water String
7"	23 1/2	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"	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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Treated	
		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 _____ 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, °Bé XXX °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

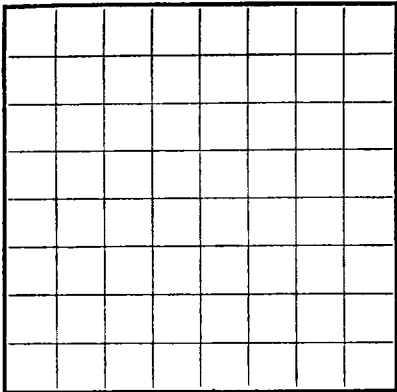
FORMATION RECORD

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 DRILLER LOG, ADD GEOLGIC TOPG. STATE WHETHER SAND IL OR SAMPLES.

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

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 **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. **XXX** of **E** Line of **Section 14** Elevation **3717'**
(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 **February 8, 1960** Title **E. J. Heard District Superintendent**

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

Commenced drilling **December 24**, 19**59** Finished drilling **January 14**, 19**60**

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	3/4"	12.75	8rd	Used	381'	Regular	381'			Surface String
8	5/8"	20	8rd	Used	923'	Regular	923'			Water String
	7"	20	8rd	Used	1873'	Pattern	1873'			Water String
5	1/2"	11	8rd	New	2079'	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"	381'	None	Obtained formation shut-off		
8	5/8"	923'	None	Obtained formation shut-off		
	7"	1873'	None	Pump & Plug	Heavy	15 sacks Aquagel
5	1/2"	2050'	150 + 50	" "		

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.	1-20-60	2050-2079'	
		Grade Oil	53,634 "	"	" "	
		Ottawa Sand	280,000 lbs.	"	" "	

TOOLS USED

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

DATES

February 8, 19**60** Put to producing **January 26**, 19**60**

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, **XXX** °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.

1957 FEB 7 AM 6 53

NEW 2020 110 75 200X

HISTORY OF OH. OR GAS WELL

SECRETARY OF DEFENSE

1950

EXHIBIT A-2

ALBU 81001

2019 0

02/27/2002

00000000000000000000

April 7 1968
1968
April

TOTAL

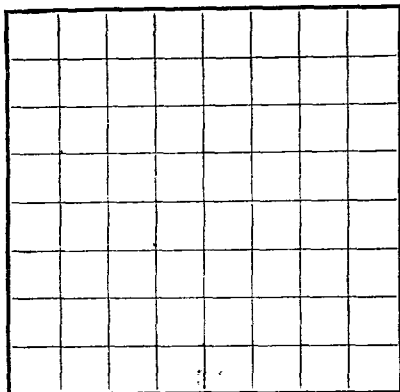
2052
2076
2079

2016
2052
2076

FORMATION

FORMATION RECORD-Continued

PHILADELPHIA 10-10-68 10-10-68 10-10-68
STATION 10-10-68 10-10-68 10-10-68
STATION 10-10-68 10-10-68 10-10-68



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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-29-E Meridian N.M.P.M. County Eddy
Location 660 ft. DN of N Line and 660 ft. DN 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 _____

Date Sept. 2, 1958Title R. J. Hoard
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	8rd	used	373'	regular	300'			Salt String
8 5/8"	28	8rd	used	1886'	regular	1883'			Water String
7"	25	8rd	used	2059'	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"	300'	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 _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Material				
		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

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

FORMATION RECORD

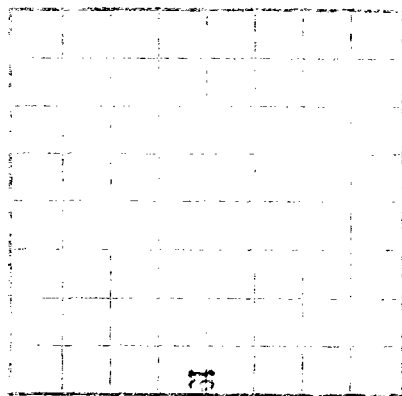
FROM—	TO—	TOTAL FEET	FORMATION
0	110	110	Red shale & sand
110	318	208	Red shale
318	350	32	Anhy
350	370	20	Red shale
370	378	8	Anhy
378	380	2	SLM
380	473	93	Anhy & red shale
473	890	417	Salt
890	1180	290	Anhy
1180	1305	125	Anhy & shale
1305	1353	48	Anhy
1353	1359	6	Brown sandy shale
1359	1510	151	Anhy
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	Anhy

AT THE END OF EACH DAY THE DRILLER'S
LOG, AND THE STATE
WHERE THE WELL IS LOCATED.

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

LOCATED

MADE

3

Company Name and Address
Location of Well
Section, Township, Range
Date of Log
The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.
Signed

The summary on this page is for the completion of the well at two days
continued drilling

OIL OR GAS SANDS OR ROCKS

From 0 to 10 feet from surface
From 10 to 20 feet from surface
From 20 to 30 feet from surface
From 30 to 40 feet from surface
From 40 to 50 feet from surface

TIPOBANT WATER SANDS

From 0 to 10 feet from surface
From 10 to 20 feet from surface
From 20 to 30 feet from surface
From 30 to 40 feet from surface
From 40 to 50 feet from surface

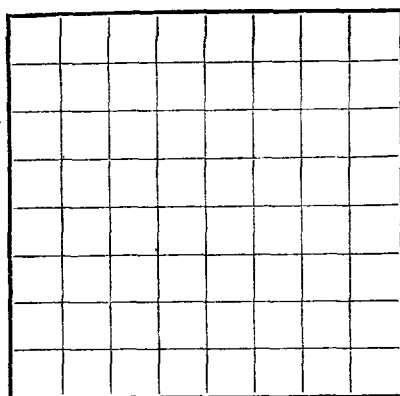
CASING RECORD

Depth of casing
Type of casing
Date of casing

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 changed or left in the well, give location and log. If the well has been abandoned, 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

DATE	DEPTH	DESCRIPTION	REMARKS
1900	0	Surface	
1901	10	10 feet of sand	
1902	20	20 feet of sand	
1903	30	30 feet of sand	
1904	40	40 feet of sand	
1905	50	50 feet of sand	
1906	60	60 feet of sand	
1907	70	70 feet of sand	
1908	80	80 feet of sand	
1909	90	90 feet of sand	
1910	100	100 feet of sand	
1911	110	110 feet of sand	
1912	120	120 feet of sand	
1913	130	130 feet of sand	
1914	140	140 feet of sand	
1915	150	150 feet of sand	
1916	160	160 feet of sand	
1917	170	170 feet of sand	
1918	180	180 feet of sand	
1919	190	190 feet of sand	
1920	200	200 feet of sand	
1921	210	210 feet of sand	
1922	220	220 feet of sand	
1923	230	230 feet of sand	
1924	240	240 feet of sand	
1925	250	250 feet of sand	
1926	260	260 feet of sand	
1927	270	270 feet of sand	
1928	280	280 feet of sand	
1929	290	290 feet of sand	
1930	300	300 feet of sand	
1931	310	310 feet of sand	
1932	320	320 feet of sand	
1933	330	330 feet of sand	
1934	340	340 feet of sand	
1935	350	350 feet of sand	
1936	360	360 feet of sand	
1937	370	370 feet of sand	
1938	380	380 feet of sand	
1939	390	390 feet of sand	
1940	400	400 feet of sand	
1941	410	410 feet of sand	
1942	420	420 feet of sand	
1943	430	430 feet of sand	
1944	440	440 feet of sand	
1945	450	450 feet of sand	
1946	460	460 feet of sand	
1947	470	470 feet of sand	
1948	480	480 feet of sand	
1949	490	490 feet of sand	
1950	500	500 feet of sand	
1951	510	510 feet of sand	
1952	520	520 feet of sand	
1953	530	530 feet of sand	
1954	540	540 feet of sand	
1955	550	550 feet of sand	
1956	560	560 feet of sand	
1957	570	570 feet of sand	
1958	580	580 feet of sand	
1959	590	590 feet of sand	
1960	600	600 feet of sand	
1961	610	610 feet of sand	
1962	620	620 feet of sand	
1963	630	630 feet of sand	
1964	640	640 feet of sand	
1965	650	650 feet of sand	
1966	660	660 feet of sand	
1967	670	670 feet of sand	
1968	680	680 feet of sand	
1969	690	690 feet of sand	
1970	700	700 feet of sand	
1971	710	710 feet of sand	
1972	720	720 feet of sand	
1973	730	730 feet of sand	
1974	740	740 feet of sand	
1975	750	750 feet of sand	
1976	760	760 feet of sand	
1977	770	770 feet of sand	
1978	780	780 feet of sand	
1979	790	790 feet of sand	
1980	800	800 feet of sand	
1981	810	810 feet of sand	
1982	820	820 feet of sand	
1983	830	830 feet of sand	
1984	840	840 feet of sand	
1985	850	850 feet of sand	
1986	860	860 feet of sand	
1987	870	870 feet of sand	
1988	880	880 feet of sand	
1989	890	890 feet of sand	
1990	900	900 feet of sand	
1991	910	910 feet of sand	
1992	920	920 feet of sand	
1993	930	930 feet of sand	
1994	940	940 feet of sand	
1995	950	950 feet of sand	
1996	960	960 feet of sand	
1997	970	970 feet of sand	
1998	980	980 feet of sand	
1999	990	990 feet of sand	
2000	1000	1000 feet of 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. **5** Sec. **14** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1980** ft. **XX** of **N** Line and **1980** ft. **XX** 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 _____
Date **February 18, 1959** Title **R. J. Heard District Superintendent**

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

Commenced drilling **January 13**, 19**59** Finished drilling **February 6**, 19**59**

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 5/8"	234	8rd	Used	2049	Guide				Prod. String
8 5/8"	234	8rd	Used	1878	Guide				Prod. String
7"	234	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 started	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**, 19**59** Put to producing _____ **February 13**, 19**59**The production for the first 24 hours was **257** barrels of fluid of which **100** % was oil; **0** % emulsion; _____ % water; and _____ % sediment. Gravity, **BA** **API 36.00**

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

Rock pressure, lbs. per sq. in. _____

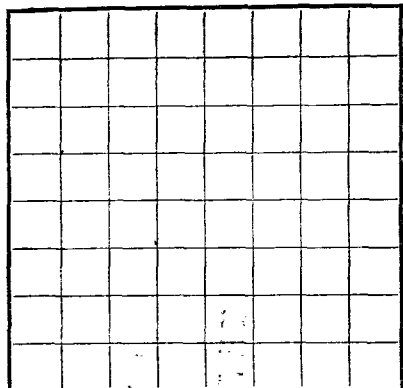
EMPLOYEES

_____ **D. 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	SIX
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

FORMATION RECORD—Continued



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 Doña
Location 660 ft. XXX of N. Line and 660 ft. IV of E. 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 E. 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	1991	Pattern	415'			Water string
7"	20.25	8rd	Used	1807	Pattern	1781'			Water string
5 1/2"	14.5	8rd	Used	1990	Oride				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'	
		Crude 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, B6 API 39°
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
C	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

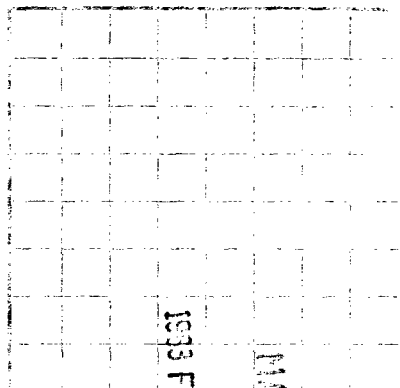
AT THE END OF COMPLETE DEPT
LOG, ATTACH RECORDING TOPG. 10-48084-4
WHICH IS PRINTED ON SEAMLESS

U.S. Land Office
Serial Number
Bureau of Reclamation
Bureau of Reclamation

Available 1-10

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company Name
Owner of Well
Well No.
Location
The information given here 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

Location
Title
The summary on this page is for the condition of the well at above date.
Commenced drilling
Finished drilling

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1 from
No. 2 from
No. 3 from

IMPORTANT WATER SANDS

No. 1 from
No. 2 from

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 added, or 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

HOODING AND CEMENTING RECORD

Amount of cement used
Kind of cement
Method of application

PLUGS AND BRIDGES

Depth set
Size

SHOOTING RECORD

Depth of shot
Quantity
Date

TOOLS USED

History tools were used from
Cable tools were used from

DATES

Set to producing
The production for the first 24 hours was
It gas well, or 13 per 24 hours
Rock pressure, lbs. per sq. in.

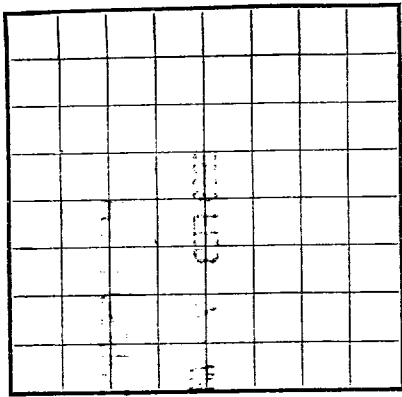
EMPLOYEES

Driller
Driller

NORMATIVE RECORD

FORMATION	TOTAL FEET	TO-	FROM-
Gravelly sand	2.1	10.0	10.0
Gravelly sand	1.0	11.0	11.0
Gravelly sand	1.0	12.0	12.0
Gravelly sand	1.0	13.0	13.0
Gravelly sand	1.0	14.0	14.0
Gravelly sand	1.0	15.0	15.0
Gravelly sand	1.0	16.0	16.0
Gravelly sand	1.0	17.0	17.0
Gravelly sand	1.0	18.0	18.0
Gravelly sand	1.0	19.0	19.0
Gravelly sand	1.0	20.0	20.0
Gravelly sand	1.0	21.0	21.0
Gravelly sand	1.0	22.0	22.0
Gravelly sand	1.0	23.0	23.0
Gravelly sand	1.0	24.0	24.0
Gravelly sand	1.0	25.0	25.0
Gravelly sand	1.0	26.0	26.0
Gravelly sand	1.0	27.0	27.0
Gravelly sand	1.0	28.0	28.0
Gravelly sand	1.0	29.0	29.0
Gravelly sand	1.0	30.0	30.0
Gravelly sand	1.0	31.0	31.0
Gravelly sand	1.0	32.0	32.0
Gravelly sand	1.0	33.0	33.0
Gravelly sand	1.0	34.0	34.0
Gravelly sand	1.0	35.0	35.0
Gravelly sand	1.0	36.0	36.0
Gravelly sand	1.0	37.0	37.0
Gravelly sand	1.0	38.0	38.0
Gravelly sand	1.0	39.0	39.0
Gravelly sand	1.0	40.0	40.0
Gravelly sand	1.0	41.0	41.0
Gravelly sand	1.0	42.0	42.0
Gravelly sand	1.0	43.0	43.0
Gravelly sand	1.0	44.0	44.0
Gravelly sand	1.0	45.0	45.0
Gravelly sand	1.0	46.0	46.0
Gravelly sand	1.0	47.0	47.0
Gravelly sand	1.0	48.0	48.0
Gravelly sand	1.0	49.0	49.0
Gravelly sand	1.0	50.0	50.0

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, 19 59 Finished drilling November 16, 19 59

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"	22.5	8	Used	1989'	Pattern				Water String
8 5/8"	25	8	Used	1989'	Pattern				Water String
7"	20 & 23	8	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 ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot, 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, 19 59 Put to producing December 9, 19 59

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, 84 °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. G. Crooks, Driller G. H. Harris, Driller
J. S. Dennis, Driller J. E. Wilcox, Driller

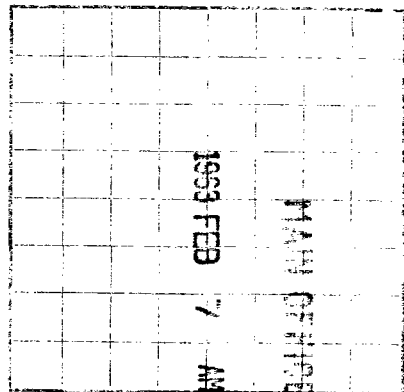
FORMATION RECORD

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	SIM
1839	1890	51	Anhy

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company _____
Lessor or Tract _____
Well No. _____
Sec. _____ T. _____ R. _____
Location _____ of _____ line and _____ ft. _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

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

OIL OR GAS SANDS OR ZONES

(Describe sanding or zonation)
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

PERFORANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Notes 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 "side-tracked," or left in the well, give its size and location. If the well has been dynamited, give date, 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 burning.

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

MUDLOG AND CEMENTING RECORD

Amount of mud used _____
Kind of mud _____
Method of cementing _____
Amount of cement used _____
Kind of cement _____

TOOLS AND EQUIPMENT

Adapters _____
Pipes _____
Pumps _____
Depth _____

SHOOTING RECORD

Quantity _____
Depth _____
Result _____

TOOLS USED

Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.
Drill tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.

DATES

Put to producing _____
The production for the first 24 hours was _____ barrels of fluid of which _____ was oil and _____ was water; and _____ sediment.
If gas well, cut ft. per 24 hours _____
Block pressure, lbs. per sq. in. _____

EMPLOYEES

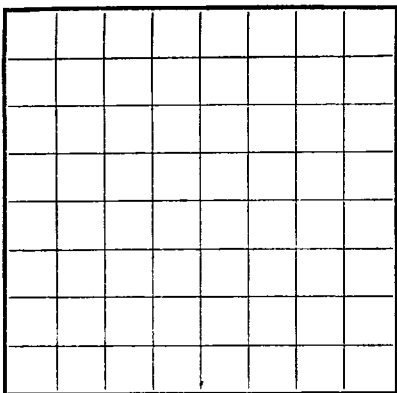
Driller _____
Helper _____

FORMATION RECORD

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

Exhibit 2-o

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. 26 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of 3 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"	32.75#	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 Cel
7"	2098'	150	"	"	"

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		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, 1960 Put to producing December 25, 1959
The production for the first 24 hours was 368 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, 88.6 035.00
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. O. Caffrey, Driller J. G. Crow, Driller
D. C. 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	Crevise
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	2038	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

00000000000000000000000000000000

100 FEB 7 AM 5 55

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 10-48097-2

[illegible]

Las Cruces

U. S. LAND OFFICE

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. 8 Sec. 11 T. 163 R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N of S Line and 660 ft. E of E Line of Section 11 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 _____

Date April 28, 1959Title 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"	32.75	8rd	Used	400'	Regular	400'			Salt String
8 5/8"	20.5	8rd	Used	166'	Regular	166'			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 FLUIDS RECORD

Size	Shell used	Fluid used	Quantity	Date	Depth set	Depth cleaned out
		20% HCl	500 gals.	4-21-59	2059-86'	
		Grade Oil	61,821 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, 18.8 °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 Hellis Gray, Driller
E. W. Farr, Driller Ben Porter, Driller

FORMATION RECORD

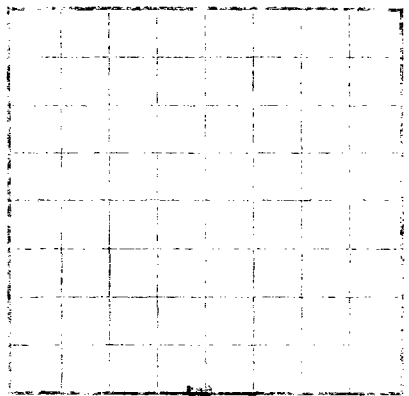
FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Sand & caliche
10	235	225	Sand & shale
235	314	79	Shale & anhy
314	327	13	Gravel
327	346	19	Gravel & shale
346	358	12	Broken anhy
358	396	38	Red shale
396	481	85	Anhy
481	892	411	Salt
892	1013	121	Anhy
1013	1066	53	Anhy & lime
1066	1073	7	Red shale
1073	1131	58	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	2059	19	Shale & sand

AT THE END OF COMPLETE DRILLER'S LOG, AND AT THE END OF EACH LOG, STATE WHETHER THERE IS A LOG OF HOLES.

U. S. Land Office
General Number
Name on Patent to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Location _____
Section _____
T. _____
R. _____
County _____
State _____
Address _____
Elevation _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records
Signed _____
Date _____

The summary on this page is for the condition of the well at above date
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

From _____ to _____
No. _____ from _____
No. _____ from _____
No. _____ from _____

REPORTABLE WATER SANDS

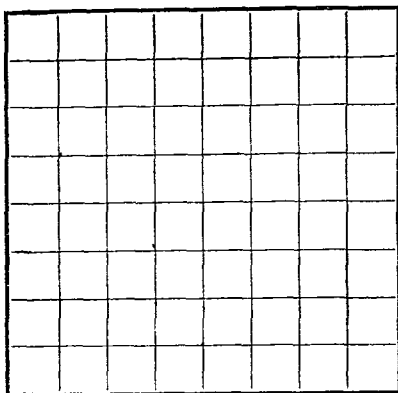
From _____ to _____
No. _____ from _____
No. _____ from _____

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please give 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 charges. If pigs or bridges were put in test for water, state size of material used, position, and results of pumping or bridging.

HISTORY OF OIL OR GAS WELL

DATE	DEPTH	REMARKS	TOOL USED	DATES	REMARKS	FORMATION
1903	0	Surface				
1903	10	Drill hole				
1903	20	Drill hole				
1903	30	Drill hole				
1903	40	Drill hole				
1903	50	Drill hole				
1903	60	Drill hole				
1903	70	Drill hole				
1903	80	Drill hole				
1903	90	Drill hole				
1903	100	Drill hole				
1903	110	Drill hole				
1903	120	Drill hole				
1903	130	Drill hole				
1903	140	Drill hole				
1903	150	Drill hole				
1903	160	Drill hole				
1903	170	Drill hole				
1903	180	Drill hole				
1903	190	Drill hole				
1903	200	Drill hole				
1903	210	Drill hole				
1903	220	Drill hole				
1903	230	Drill hole				
1903	240	Drill hole				
1903	250	Drill hole				
1903	260	Drill hole				
1903	270	Drill hole				
1903	280	Drill hole				
1903	290	Drill hole				
1903	300	Drill hole				
1903	310	Drill hole				
1903	320	Drill hole				
1903	330	Drill hole				
1903	340	Drill hole				
1903	350	Drill hole				
1903	360	Drill hole				
1903	370	Drill hole				
1903	380	Drill hole				
1903	390	Drill hole				
1903	400	Drill hole				
1903	410	Drill hole				
1903	420	Drill hole				
1903	430	Drill hole				
1903	440	Drill hole				
1903	450	Drill hole				
1903	460	Drill hole				
1903	470	Drill hole				
1903	480	Drill hole				
1903	490	Drill hole				
1903	500	Drill hole				
1903	510	Drill hole				
1903	520	Drill hole				
1903	530	Drill hole				
1903	540	Drill hole				
1903	550	Drill hole				
1903	560	Drill hole				
1903	570	Drill hole				
1903	580	Drill hole				
1903	590	Drill hole				
1903	600	Drill hole				
1903	610	Drill hole				
1903	620	Drill hole				
1903	630	Drill hole				
1903	640	Drill hole				
1903	650	Drill hole				
1903	660	Drill hole				
1903	670	Drill hole				
1903	680	Drill hole				
1903	690	Drill hole				
1903	700	Drill hole				
1903	710	Drill hole				
1903	720	Drill hole				
1903	730	Drill hole				
1903	740	Drill hole				
1903	750	Drill hole				
1903	760	Drill hole				
1903	770	Drill hole				
1903	780	Drill hole				
1903	790	Drill hole				
1903	800	Drill hole				
1903	810	Drill hole				
1903	820	Drill hole				
1903	830	Drill hole				
1903	840	Drill hole				
1903	850	Drill hole				
1903	860	Drill hole				
1903	870	Drill hole				
1903	880	Drill hole				
1903	890	Drill hole				
1903	900	Drill hole				
1903	910	Drill hole				
1903	920	Drill hole				
1903	930	Drill hole				
1903	940	Drill hole				
1903	950	Drill hole				
1903	960	Drill hole				
1903	970	Drill hole				
1903	980	Drill hole				
1903	990	Drill hole				
1903	1000	Drill hole				



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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 1989 ft. N. of 9 Line and 659 ft. E. of W. Line of Section 13 Elevation 3727
(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 July 10, 1959 Title B. 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"	12.75	8rd	Used	402'	Guide	402'			Water String
8 5/8"	12.75	8rd	Used	1951'	Guide	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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Material			2105-2134'	
		20% HCL	500 gals.	6-29-59		
		Grade 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

_____ July 10, 1959 Put to producing _____ July 7, 1959The 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 35.00

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

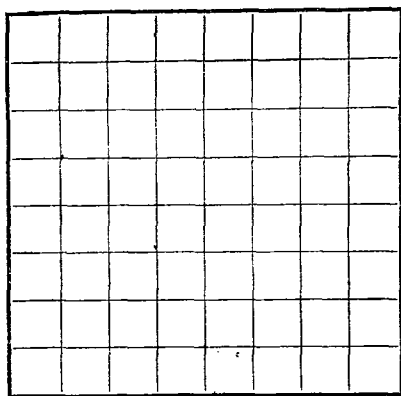
_____ E. W. Farr, Driller _____ Ben Porter, Driller
_____ E. T. Haney, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Red shale
260	360	100	Anhy
360	450	90	Red shale
450	475	45	Anhy
475	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
LOG. AND
WELL SITE
STATE
GEOLOGICAL
SURVEY

Form 9-330

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 MexicoLessor or Tract Brewer Field High Lonesome State New MexicoWell No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County EddyLocation 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—	
<u>10 3/4"</u>	<u>44</u>	<u>8</u>	<u>Pittsburg</u>	<u>2057</u>	<u>Guide</u>				<u>Water String</u>
<u>8 5/8"</u>	<u>28</u>	<u>8</u>	<u>Pittsburg</u>	<u>1938</u>	<u>Guide</u>				<u>Prod. String</u>
<u>7"</u>	<u>20</u>	<u>8</u>	<u>Pittsburg</u>	<u>2057</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
<u>10 3/4"</u>	<u>416</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
<u>8 5/8"</u>	<u>1938</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>35 sacks Aquagel</u>
<u>7"</u>	<u>2060</u>	<u>150</u>	<u>"</u>	<u>"</u>	

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
		<u>20% HCl</u>	<u>500 gals.</u>	<u>8-5-59</u>	<u>2060-2090</u>	
		<u>Crude Oil</u>	<u>64,218 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>205,000 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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 12, 1959 Put to producing August 11, 1959The production for the first 24 hours was 312 barrels of fluid of which 100 % was oil; 0 %emulsion; 0 % water; and 0 % sediment. Gravity, °Bé 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

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>5</u>	<u>5</u>	<u>Sand</u>
<u>5</u>	<u>15</u>	<u>10</u>	<u>Caliche</u>
<u>15</u>	<u>230</u>	<u>215</u>	<u>Sand & shale</u>
<u>230</u>	<u>330</u>	<u>100</u>	<u>Anhy</u>
<u>330</u>	<u>340</u>	<u>10</u>	<u>Sand</u>
<u>340</u>	<u>447</u>	<u>107</u>	<u>Shale & anhy</u>
<u>447</u>	<u>480</u>	<u>33</u>	<u>Anhy</u>
<u>480</u>	<u>975</u>	<u>495</u>	<u>Salt</u>
<u>975</u>	<u>1080</u>	<u>105</u>	<u>Anhy</u>
<u>1080</u>	<u>1115</u>	<u>35</u>	<u>Sand shale</u>
<u>1115</u>	<u>1130</u>	<u>15</u>	<u>Anhy</u>
<u>1130</u>	<u>1295</u>	<u>165</u>	<u>Anhy & shale</u>
<u>1295</u>	<u>1610</u>	<u>315</u>	<u>Anhy</u>
<u>1610</u>	<u>1630</u>	<u>20</u>	<u>Brown sand</u>
<u>1630</u>	<u>1635</u>	<u>5</u>	<u>Anhy</u>
<u>1635</u>	<u>1660</u>	<u>25</u>	<u>Salt</u>
<u>1660</u>	<u>1845</u>	<u>185</u>	<u>Anhy</u>
<u>1845</u>	<u>1865</u>	<u>20</u>	<u>Sand</u>
<u>1865</u>	<u>1929</u>	<u>64</u>	<u>Anhy</u>
<u>1929</u>	<u>1938</u>	<u>9</u>	<u>Anhy & shale</u>
<u>1938</u>	<u>1943</u>	<u>5</u>	<u>Shale</u>
<u>1943</u>	<u>1948</u>	<u>5</u>	<u>Salt</u>
<u>1948</u>	<u>1949</u>	<u>1</u>	<u>Shale</u>
<u>1949</u>	<u>1971</u>	<u>22</u>	<u>Anhy</u>
<u>1971</u>	<u>1976</u>	<u>5</u>	<u>Sand</u>
<u>1976</u>	<u>2000</u>	<u>24</u>	<u>Anhy</u>

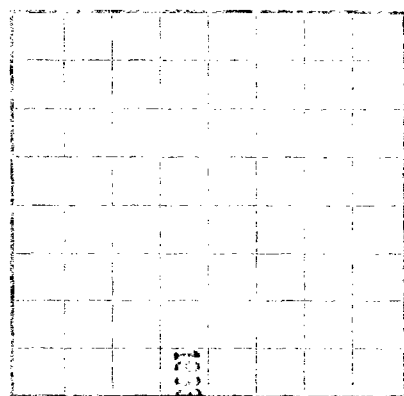
FORMATION RECORD—Continued

16-43094-4

U. S. Field Office
General Number
I was on Present no Present no Present no
Present

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Location of _____
Well No. _____
Section _____ T. _____ R. _____
Location of _____
The information given between is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Title _____

The summary on this page is for the condition of the well as above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Check box as to)
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Material _____
Kind of pipe _____
From _____ to _____
Purpose _____

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 pulling.

HISTORY OF OIL OR GAS WELL

10-10004-2 U. S. GOVERNMENT PRINTING OFFICE

PLUGGING AND CEMENTING RECORD

Amount of cement used _____
Kind of gravel _____
Position _____

PLUGS AND CEMENTS

Depth _____
Position _____

SHOOTING RECORD

Depth _____
Position _____
Quantity _____

TOOLS USED

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

DATES

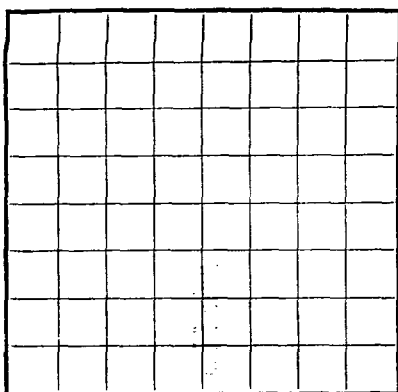
Put to producing _____
Cemented _____
The production for the first 24 hours was _____

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Red & red beds	100	100	0
Clay & sand	100	100	100
Clay & sand	100	100	200
Clay & sand	100	100	300
Clay & sand	100	100	400
Clay & sand	100	100	500
Clay & sand	100	100	600
Clay & sand	100	100	700
Clay & sand	100	100	800
Clay & sand	100	100	900
Clay & sand	100	100	1000

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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 Mills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 20 Sec. 14 T16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ~~XXX~~ of N Line and 1980 ~~XXX~~ 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.

Signed

Date November 2, 1959Title H. J. Heard
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	<u>3/4"</u>	<u>22.75#</u>	<u>8rd</u>	<u>Used</u>	<u>2051'</u>	<u>Regular</u>	<u>400'</u>			<u>Salt String</u>
8	<u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>1836'</u>	<u>Pattern</u>	<u>1594'</u>			<u>Water String</u>
5	<u>1/2"</u>	<u>14#</u>	<u>8rd</u>	<u>Used</u>	<u>2021'</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>400'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8	<u>5/8"</u>	<u>1836'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>30 sacks Aquagel</u>
5	<u>1/2"</u>	<u>2023'</u>	<u>150 (Around Shoe)</u>	<u>"</u>	<u>"</u>	
			<u>50 (400-309')</u>			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____STIMULATION ~~EXHAUSTION~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot treated	Depth cleaned out
		<u>20% HCL</u>	<u>500 gals.</u>	<u>10-1-59</u>	<u>2023-2052'</u>	
		<u>Crude Oil</u>	<u>83,160 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>217,600 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 _____ feet to 2052 feet, and from _____ feet to _____ feet

DATES

November 2, 1959 Put to producing October 12, 1959The production for the first 24 hours was 64 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity 88.6 ~~XXX~~ 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. _____

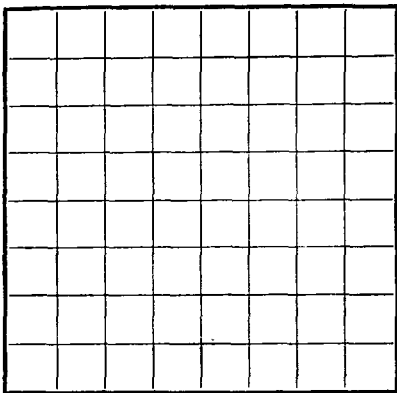
EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
C	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	SIL
1836	1845	9	Lime
1845	2019	174	Anhy
2019	2023	4	Sandy lime
2023	2052	29	Sand

(OVER)

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. 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, 1959Title 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 <u>3/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>441'</u>	<u>Regular</u>	<u>441'</u>			<u>Salt String</u>
8 <u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>1941'</u>	<u>Pattern</u>	<u>1941'</u>			<u>Water String</u>
<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2112'</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>441'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1941'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>
<u>7"</u>	<u>2115'</u>	<u>150</u>	<u>" "</u>	<u>"</u>	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

STIMULATION ~~SHOOTING~~ RECORD

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

(OVER)

FORMATION RECORD—Continued

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

HISTORY OF OIL OR GAS WELL

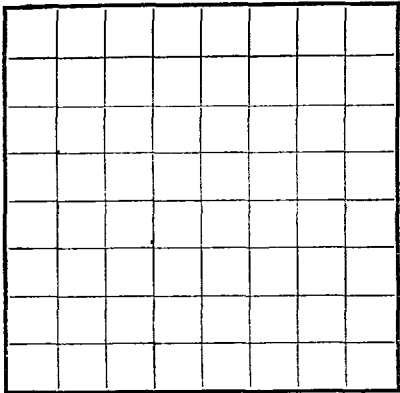
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

MAIN OFFICE OCC

1963 FEB 7 AM 8:53

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



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. N of N Line and 1980 ft. E 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.

Date December 1, 1958 Signed R. J. Heard District Superintendent
Title Superintendent

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"	52.75	8 1/2	Used	111'	Paterson	113'			Salt String
8 5/8"	28 1/2	8 1/2	Used	1850'	Paterson	1849'			Water String
7"	23 1/2	8 1/2	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 _____

SYNTHETIC SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Material			treated	
		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

December 1, 1958 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

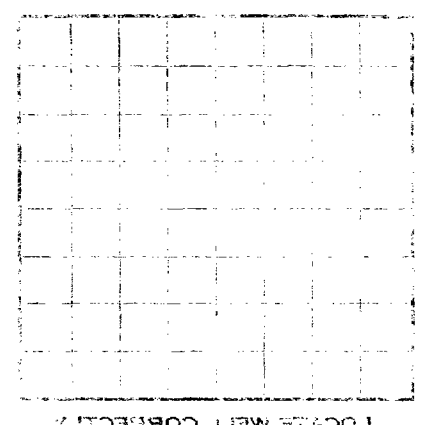
D. C. Crooks, Driller Ben Porter, Driller
E. J. Parish, Driller _____, Driller

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

1938 FEB 1 AM 9 53
Oil Office

Company Name of Lessee Address of Lessee
Well Name Sec. 14 T. 12 N. R. 23 E. S. 10
Location of Well of 1/4 Sec. 14 T. 12 N. R. 23 E. S. 10
The information given herewith is a complete and correct record of the well and all work done thereon
as far as is determined from all available records
Signed _____
Title _____

The summary on this page is for the condition of the well at above date
Commenced drilling _____ finished drilling _____
Oil on gas sands or turner _____

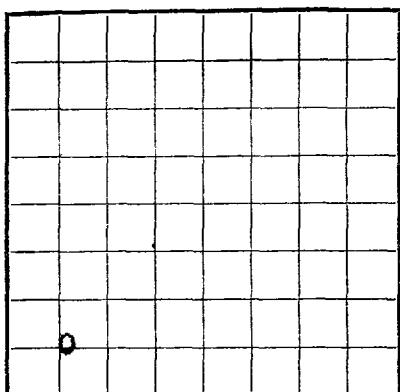
1.0 ft. from _____ to _____
No. 1 from _____ to _____
No. 2 from _____ to _____

IMPORTANT WATER SANDS
No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD
Casing size _____
Casing weight _____
Casing depth _____
Casing material _____
Casing joints _____
Casing connections _____
Casing repairs _____
Casing notes _____

HISTORY OF OIL OR GAS WELL

DATE	DESCRIPTION	TO	FROM
1938 Feb 1	Drilling commenced	0	10
1938 Feb 1	Drilling completed	10	20
1938 Feb 1	Drilling completed	20	30
1938 Feb 1	Drilling completed	30	40
1938 Feb 1	Drilling completed	40	50
1938 Feb 1	Drilling completed	50	60
1938 Feb 1	Drilling completed	60	70
1938 Feb 1	Drilling completed	70	80
1938 Feb 1	Drilling completed	80	90
1938 Feb 1	Drilling completed	90	100
1938 Feb 1	Drilling completed	100	110
1938 Feb 1	Drilling completed	110	120
1938 Feb 1	Drilling completed	120	130
1938 Feb 1	Drilling completed	130	140
1938 Feb 1	Drilling completed	140	150
1938 Feb 1	Drilling completed	150	160
1938 Feb 1	Drilling completed	160	170
1938 Feb 1	Drilling completed	170	180
1938 Feb 1	Drilling completed	180	190
1938 Feb 1	Drilling completed	190	200
1938 Feb 1	Drilling completed	200	210
1938 Feb 1	Drilling completed	210	220
1938 Feb 1	Drilling completed	220	230
1938 Feb 1	Drilling completed	230	240
1938 Feb 1	Drilling completed	240	250
1938 Feb 1	Drilling completed	250	260
1938 Feb 1	Drilling completed	260	270
1938 Feb 1	Drilling completed	270	280
1938 Feb 1	Drilling completed	280	290
1938 Feb 1	Drilling completed	290	300
1938 Feb 1	Drilling completed	300	310
1938 Feb 1	Drilling completed	310	320
1938 Feb 1	Drilling completed	320	330
1938 Feb 1	Drilling completed	330	340
1938 Feb 1	Drilling completed	340	350
1938 Feb 1	Drilling completed	350	360
1938 Feb 1	Drilling completed	360	370
1938 Feb 1	Drilling completed	370	380
1938 Feb 1	Drilling completed	380	390
1938 Feb 1	Drilling completed	390	400
1938 Feb 1	Drilling completed	400	410
1938 Feb 1	Drilling completed	410	420
1938 Feb 1	Drilling completed	420	430
1938 Feb 1	Drilling completed	430	440
1938 Feb 1	Drilling completed	440	450
1938 Feb 1	Drilling completed	450	460
1938 Feb 1	Drilling completed	460	470
1938 Feb 1	Drilling completed	470	480
1938 Feb 1	Drilling completed	480	490
1938 Feb 1	Drilling completed	490	500
1938 Feb 1	Drilling completed	500	510
1938 Feb 1	Drilling completed	510	520
1938 Feb 1	Drilling completed	520	530
1938 Feb 1	Drilling completed	530	540
1938 Feb 1	Drilling completed	540	550
1938 Feb 1	Drilling completed	550	560
1938 Feb 1	Drilling completed	560	570
1938 Feb 1	Drilling completed	570	580
1938 Feb 1	Drilling completed	580	590
1938 Feb 1	Drilling completed	590	600
1938 Feb 1	Drilling completed	600	610
1938 Feb 1	Drilling completed	610	620
1938 Feb 1	Drilling completed	620	630
1938 Feb 1	Drilling completed	630	640
1938 Feb 1	Drilling completed	640	650
1938 Feb 1	Drilling completed	650	660
1938 Feb 1	Drilling completed	660	670
1938 Feb 1	Drilling completed	670	680
1938 Feb 1	Drilling completed	680	690
1938 Feb 1	Drilling completed	690	700
1938 Feb 1	Drilling completed	700	710
1938 Feb 1	Drilling completed	710	720
1938 Feb 1	Drilling completed	720	730
1938 Feb 1	Drilling completed	730	740
1938 Feb 1	Drilling completed	740	750
1938 Feb 1	Drilling completed	750	760
1938 Feb 1	Drilling completed	760	770
1938 Feb 1	Drilling completed	770	780
1938 Feb 1	Drilling completed	780	790
1938 Feb 1	Drilling completed	790	800
1938 Feb 1	Drilling completed	800	810
1938 Feb 1	Drilling completed	810	820
1938 Feb 1	Drilling completed	820	830
1938 Feb 1	Drilling completed	830	840
1938 Feb 1	Drilling completed	840	850
1938 Feb 1	Drilling completed	850	860
1938 Feb 1	Drilling completed	860	870
1938 Feb 1	Drilling completed	870	880
1938 Feb 1	Drilling completed	880	890
1938 Feb 1	Drilling completed	890	900
1938 Feb 1	Drilling completed	900	910
1938 Feb 1	Drilling completed	910	920
1938 Feb 1	Drilling completed	920	930
1938 Feb 1	Drilling completed	930	940
1938 Feb 1	Drilling completed	940	950
1938 Feb 1	Drilling completed	950	960
1938 Feb 1	Drilling completed	960	970
1938 Feb 1	Drilling completed	970	980
1938 Feb 1	Drilling completed	980	990
1938 Feb 1	Drilling completed	990	1000

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 062638
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. 2 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [N.] of S. Line and 660 ft. [E.] of W. Line of Section 12 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 _____

Date October 20, 1958 Title B. J. Heard District Superintendent

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

Commenced drilling September 4, 1958 Finished drilling October 5, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1343' to 1358' (G) No. 4, from _____ to _____
No. 2, from 2460' to 2070' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 352' to 362' No. 3, from _____ to _____
No. 2, from 1828' to 1836' 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"	22.75	8	Union	2054'	Ball	100'			Water String
8 1/2"	20.5	8	Union	2058'	Guide	100'			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"	408'	None	Obtained formation shut-off		
8 1/2"	1857'	None	Obtained formation shut-off		
7"	2060'	150	Pump & Plug	Heavy	50 this.

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
		Material			treated	
		20% HCL	500 gals.	10-12-58	2060-2080'	
		Clarke Oil	53,424 gals.	10-12-58		
		Ottawa Sand	85,000 lb.			

TOOLS USED

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

Cable tools were used from 0 feet to 2710 feet, and from _____ feet to _____ feet

DATES

_____ October 20, 1958 Put to producing _____ October 16, 1958The production for the first 24 hours was 396 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 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

_____H. H. Crabb_____, Driller _____Ben Porter_____, Driller
_____D. C. Crooks_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	237	237	Red shale & sand
237	362	125	Anhy & gyp
362	405	43	Red shale
405	413	8	Anhy & gyp
413	445	32	Red shale
445	463	18	Anhy
463	890	427	Salt
890	1055	165	Anhy
1055	1070	15	Line
1070	1118	48	Red shale
1118	1206	88	Shale & anhy
1206	1886	680	Anhy
1886	1900	14	Anhy & red shale
1900	2000	100	Anhy
2000	2048	48	Anhy & red shale
2048	2085	37	Sand
2085	2108	23	Anhy
2108	2220	112	Anhy & red shale
2220	2258	38	Anhy
2258	2284	26	Line & anhy
2284	2355	51	Anhy
2355	2450	115	Line
2450	2462	12	Red shale & anhy
2462	2474	12	Anhy
2474	2498	24	Anhy & line
2498	2507	9	Anhy
2507	2521	14	Anhy & line

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATEMENT CORRECTLY

[illegible]

1963-7-1
7-1
9-1

SECRET NO FOREIGN DISSEM

FINES SETAW TRAFIC

CALLING 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 not, confirm this fact. The well has been dismantled, give date, size, position, and name of the contractor. If the well has been dismantled, give date, size, position, and name of the contractor. If plungers or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling. If plungers 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

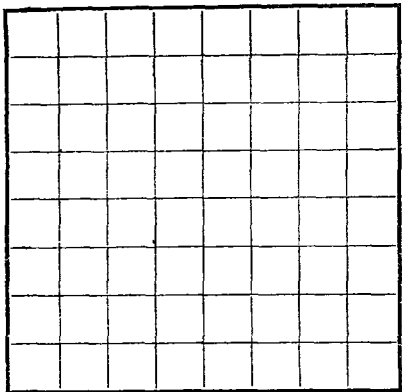
U. S. GOVERNMENT PRINTING OFFICE

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Form 9-330

Exhibit 2-e

Las Cruces
U. S. LAND OFFICE
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. N. of N Line and 1980 ft. E. 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 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"	23	8rd	Used	1976'	Pattern	1976'			Water String
7"	20 1/2	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	Material 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 _____ 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, 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

J. C. Crow, Driller E. J. Parish, Driller
C. H. Harris, Driller M. P. Willis, Driller

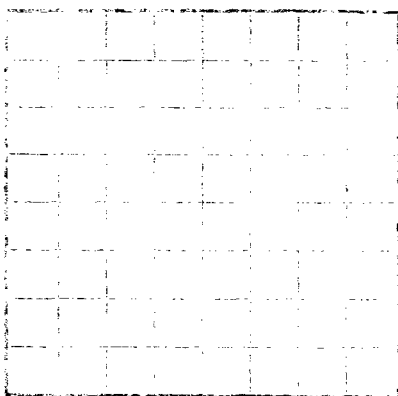
FORMATION RECORD

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	1959	4	Silt
1959	1967	8	Anhy
1967	1976	9	Sandy lime
1976	2028	52	Anhy & shale
2028	2039	11	Anhy
2039	2095	56	Lime
2095			Anhy & shale

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



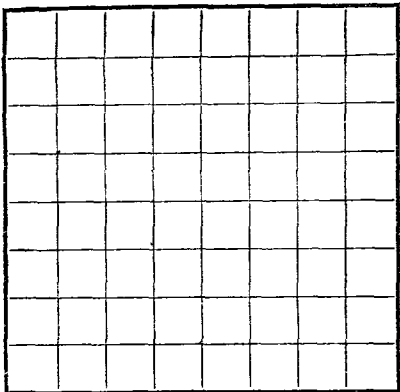
LOCATE WELL CORRECTLY

Company _____
Location of well _____
T. _____ R. _____ S. _____
Section _____ Township _____ Range _____
County _____ State _____
Name of land owner _____
Name of driller _____
Name of logger _____
Name of recorder _____
Name of observer _____
Name of interpreter _____
Name of checker _____
Name of reviewer _____
Name of approver _____
Name of supervisor _____
Name of manager _____
Name of director _____
Name of president _____

Oil and gas sands of zones _____
Important water sands _____
Casing record _____
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, position, and number of shots. If plugs or bridges were put into test for water, state kind of material used, position, and results of pumping or being.

FORMATION	TOTAL FEET	FORMATION
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of 3 Line and 1980 ft. E. 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 B. 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"	22 7/8	8rd	Used	1927	Paterson	1927			Water String
8 5/8"	22 7/8	8rd	Used	1927	Paterson	1927			Prod. String
7"	23 1/2	8rd	Used	2075	Guide				

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/SHOOTING RECORD

Size	Shells used	Materials	Quantity	Date	Depth shot treated	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, 1959The production for the first 24 hours was 433 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, 60 °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. Crabt_____, Driller _____G. H. Harris_____, Driller
_____J. C. Crow_____, Driller _____E. J. Parish_____, Driller

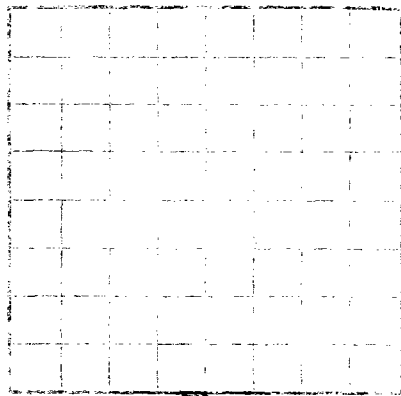
FORMATION RECORD

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	1210	100	Anhy & shale
1210	1225	15	Anhy
1225	1235	10	Broken anhy
1235	1275	40	Sandy shale
1275	1280	5	Anhy
1280	1285	5	Red sand

FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Location of well, State, County, Township, Range, Section, and Meridian. 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: _____

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

OIL OR GAS SANDS OR ZONES

From _____ to _____ feet. (Remove gas by O) _____

IMPORTANT WATER SANDS

From _____ to _____ feet. _____

CASING RECORD

Depth of casing, feet	Amount of casing, ft. and boxed ends	Notes
_____	_____	_____

It is of the greatest importance to have a complete record 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, or left in the well, give its size and location. If the well has been damaged, give date, size, position, and number of holes. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

DATE	DESCRIPTION OF WORK
_____	_____

MEASUREMENTS AND CEMENTING RECORD

DATE	MEASUREMENTS	CEMENTING
_____	_____	_____

PLUGS AND ADAPTERS

DATE	PLUGS AND ADAPTERS
_____	_____

SHOOTING RECORD

DATE	SHOOTING RECORD
_____	_____

TOOLS USED

DATE	TOOLS USED
_____	_____

DATES

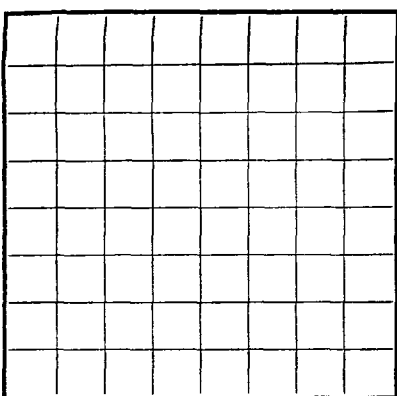
DATE	DATES
_____	_____

EMPLOYEES

DATE	EMPLOYEES
_____	_____

FORMATION RECORD

FORMATION	FORMATION RECORD
_____	_____

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. 24 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N of 3 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, 1959Title 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	409'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Plastic	1917'			Water String
7"	23#	8rd	Used	2119'	Grade				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	Material used	Quantity	Date	Depth set	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 _____ 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. Hancy, 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

Form 9-330

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO **PROSPECT**
BrewerUNITED 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. **27** Sec. **14** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **990** ft. **N** of **3** 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 **H. J. Heard**
Date **March 9, 1960** Title **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'	Pattern	1809'			Water String
7"	23	8rd	Used	1999'	Pattern				Frod. 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 ~~RECORD~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth used 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 **2036** feet, and from _____ feet to _____ feet

DATES

March 9, 19**60**. Put to producing **March 2**, 19**60**.

The production for the first 24 hours was **123** barrels of fluid of which **100%** was oil; **0%** emulsion; **0%** water; and **0%** sediment. Gravity, **20.4** **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	Anhy sand

AT THE END OF LOGGING DELEGATES
LOG ADD CORRECTIONS TO THIS PAGE
WHETHER FROM FIELD OR OFFICE

0.00 0.10 0.20 0.30 0.40 0.50

1963 FEB 7 AM 9 00

1963 FEB 7 AM 9 00

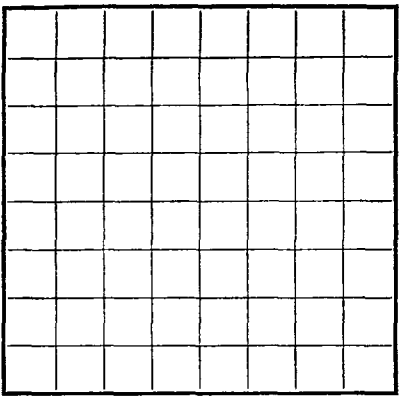
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

[illegible]

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



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 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 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	<u>3 1/4"</u>	<u>32.75#</u>	<u>8rd</u>	<u>Used</u>	<u>364'</u>	<u>Regular</u>	<u>367'</u>			<u>Salt String</u>
8	<u>5/8"</u>	<u>28#</u>	<u>8rd</u>	<u>Used</u>	<u>1819'</u>	<u>Pattern</u>	<u>1818'</u>			<u>Water String</u>
	<u>7"</u>	<u>23#</u>	<u>8rd</u>	<u>Used</u>	<u>2027'</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 1/4"</u>	<u>367'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8	<u>5/8"</u>	<u>1818'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Gel</u>
	<u>7"</u>	<u>2029'</u>	<u>150</u>	<u>" "</u>	<u>"</u>	

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
		<u>20% HCL</u>	<u>500 gals.</u>	<u>12-18-59</u>	<u>2029-2059'</u>	
		<u>Crude Oil</u>	<u>61,693 "</u>	<u>" "</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>233,000 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 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, XX °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. Harrie, 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

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 01-11-2001 BY 60322 UCBAW

REF ID: A66540

1063 FEB 7 AM 9:00

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 "sideracked", 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

16-48084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			FORMATION RECORD
			DESCRIPTION OF FORMATION
			LOCATION AND ELEVATION
			DATE AND TIME
			REMARKS
			DRILLING LOG
			TEST RESULTS
			CONCLUSIONS
			APPENDIX
			REFERENCES
			NOTES
			SIGNATURE
			DATE

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N. of S. Line and 1980 ft. E. 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 September 8, 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 6, 1957 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"	22.75	8rd	Hand	374'	Regular	374'			Salt String
7"	20.25	8rd	Used	1840'	Pattern	1798'			Water String
5 1/2"	14	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'	150	" "		

PLUGS AND ADAPTERS

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

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		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 _____ feet to 2047 feet, and from _____ feet to _____ feet

DATES

_____September 8_____, 19____ Put to producing _____September 1_____, 1959The production for the first 24 hours was 605 barrels of fluid of which 100% was oil; 0%
emulsion; 0% water; and 0% sediment. Gravity, 84 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

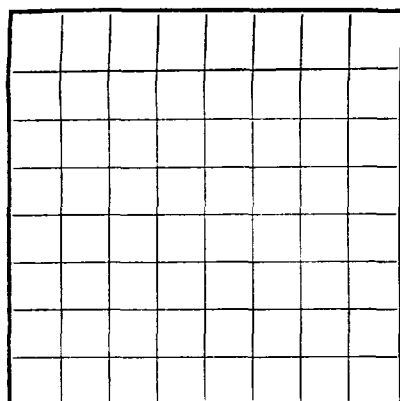
_____E. W. Farr_____, Driller _____Ben Porter_____, Driller
_____E. T. Harney_____, Driller _____, Driller

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 TIME OF THE ABOVE LOG, THE DRILLER'S
LOG, AND THE STATE
WHERE THE WELL WAS DRILLED.

Form 9-330

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **067610-A**
LEASE OR PERMIT TO PROSPECT _____
BosworthUNITED 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 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. E 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	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	28#	8rd	National	1913'	Pattern	1913'			Water String
	7"	24#	10V	Used	2064'	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"	390'	None	Obtained formation shut-off		
8	5/8"	1913'	None	Pump & Plug	Heavy	35 sacks Aquagel
	7"	2067'	150	"	"	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

FRACTURING RECORD

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

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, 1959The production for the first 24 hours was 262 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, 66° 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

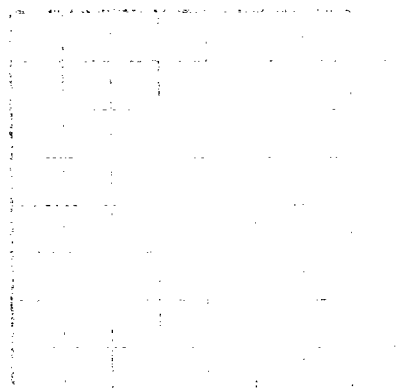
_____ E. W. Parr, Driller _____ Ben Porter, Driller_____ E. T. Hancey, Driller _____, Driller

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	2064	3	Sandy lime
2064	2072	8	Sand & sandy lime
2072	2097	25	Sand
2097	2101	4	Anhy

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

100 OF OIL OR GAS WELL



MINING OFFICE
1899 FEB 7 AM 8 55

100 OF OIL OR GAS WELL

IMMEDIATE WATER RECORD

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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

10-48094-2

RECORDING AND CEMENTING RECORD

PILES AND BOULDER

ADDITIONAL RECORD

TOOL RECORD

DRILL RECORD

FORMATION RECORD

FORMATION

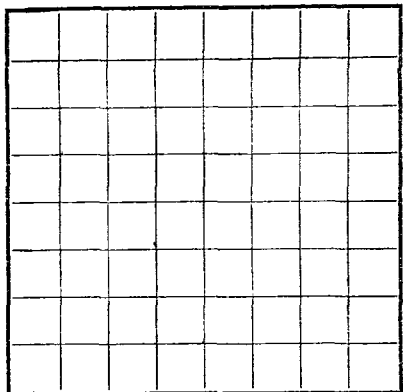
TOTAL FEET

TO

FROM

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 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 R. 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"	42.75	8 1/2	Used	1941	Regular	1941			Water String
8 5/8"	23 1/2	8 1/2	Used	2081	Guide	2081			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 _____ 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, Be. 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

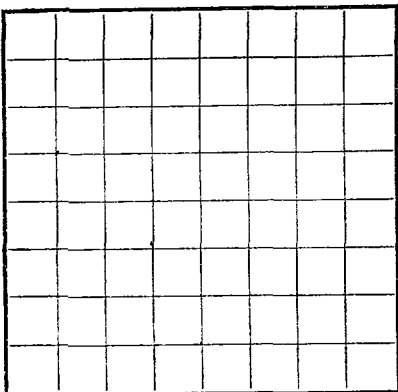
M. H. Grabb, Driller E. J. Parish, Driller
J. G. Crow, Driller _____, Driller

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 DRILLER'S LOG, THE DRILLER MUST SIGN AND DATE

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'**
(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 **S. J. Heard**
Date **June 2, 1959** 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	3 1/4"	30.75#	8-4	Used	435'	Regular	435'			Salt String
8	5/8"	9.25#	8-4	Used	1929'	Regular	1929'			Water String
	7"	23#	8rd	Used	2065'	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 1/4"	435'	None	Obtained formation shut-off		
8	5/8"	1929'	None	Pump & Plug	Heavy	35 sacks Aquagel
	7"	2068'	150	" "		

FOLD MARK

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 **184.8** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, **XXX** °API **35.50**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. 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	Cyp
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 EACH DAY THE DRILLER'S LOG IS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given herewith is a complete and current record of the well and all work done thereon as far as can be determined from all available records.

Signed _____

Location _____ of _____ Mine and No. _____
Section _____ T. _____ S., R. _____ E., of _____ Range of _____
7th Meridian
Township or Range _____
County _____ State _____
Cannery _____ Address _____

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 09-17-2013 BY 60322 [redacted] / [redacted]

100-443887-1000

[illegible]

OF _____

CONFIDENTIAL

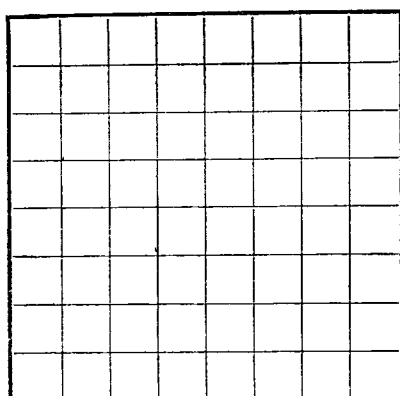
with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "detached" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or boring.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48091-2

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

Form 9-330

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. ^[N.]_[S.] of N. Line and 660 ft. ^[E.]_[W.] 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 B. 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	1831'	Regular	100'			Water String
8 5/8"	28 1/2	8rd	Used	1831'	Regular				Water String
7"	23 1/2	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"	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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Treated	
		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 _____ feet to _____ 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, ^{°Bé} XXXX ^{°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
LOC. AND GEOLOGIC TOPG. STATE
WHERE THE WELL IS EL. OF GROUND

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 067610-A
LEASE OR PERMIT TO PROSPECT BosworthUNITED 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. XXX of E Line of Section 14 Elevation 3717'
XXX (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, 1960Title E. 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	3/4"	12.75	8rd	Used	381'	Regular	381'			Surface String
8	5/8"	20	8rd	Used	923'	Regular	923'			Water String
	7"	20 & 23	8rd	Used	1873'	Regular	1873'			Water String
5	1/2"	14	8rd	New	2079'	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"	381'	None	Obtained formation shut-off		
8	5/8"	923'	None	Obtained formation shut-off		
	7"	1873'	None	Pump & Plug	Heavy	15 sacks Aquagel
5	1/2"	2079'	150 + 50	" "		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

STIMULATION

EXPOSURE RECORD

Size	Shell used	Material used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	1-20-60	2050-2079'	
		Crude Oil	53,634 "	"	" "	
		Ottawa Sand	280,000 lbs.	"	" "	

TOOLS USED

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

Cable tools were used from 0 feet to 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, XXX °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, DrillerE. 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

(OVER)

16-48094-5

100% 240 30 30 90 200

1963 FEB 7 AM 8 57

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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

Form 9-330

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 061638LEASE OR PERMIT TO PROSPECT BrewerUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field Wildcat State New Mexico
Well No. 1 Sec. 14 T. 16 R. 29 E. Meridian N.M.P.M. County Eddy
Location 660 ft. N of N Line and 660 ft. W 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

Date Sept. 2, 1958Title R. J. Heard
Dist. Sept.

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"	25	8rd	used	2059'	Guide				Salt String
8 5/8"	23	8rd	used	2059'	Guide				Water String
7"	23	8rd	used	2059'	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"	330'	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 _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		XXX			XXX	
		Materials			Treated	
		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 _____ feet to _____ 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

H. 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	SLM
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	Red sand

U.S. LAND OFFICE
BUREAU OF LAND MANAGEMENT
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C. 20500

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Name
Address
City
State
County
T. 1 S. R. 2 E. S. 10 NE 1/4
Section 10, Township 1 S., Range 2 E., Section 10 NE 1/4
The information given herein is a complete and correct record of the well and all work done thereon.
It is the responsibility of the person signing this log to see that the information is correct and complete.
Signed _____

The summary on this page is for the condition of the well as above data.
Comments, drilling, etc.
Date _____

OIL OR GAS SANDS OR ZONES

From _____ to _____
From _____ to _____
From _____ to _____

IMPASSANT WATER SANDS

From _____ to _____
From _____ to _____

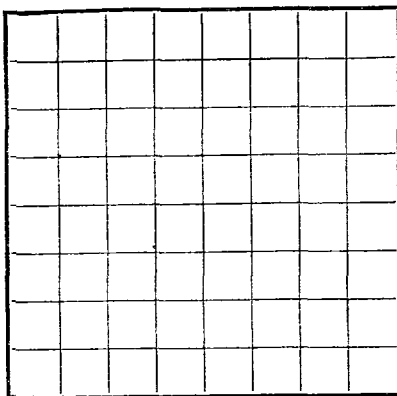
CASING RECORD

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 replaced, state the size and location. If the well has been abandoned, state 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

DATE	DESCRIPTION	DEPTH (FEET)	FORMATION
1964	Drilled	0	Surface
1964	Drilled	10	Shale
1964	Drilled	20	Shale
1964	Drilled	30	Shale
1964	Drilled	40	Shale
1964	Drilled	50	Shale
1964	Drilled	60	Shale
1964	Drilled	70	Shale
1964	Drilled	80	Shale
1964	Drilled	90	Shale
1964	Drilled	100	Shale
1964	Drilled	110	Shale
1964	Drilled	120	Shale
1964	Drilled	130	Shale
1964	Drilled	140	Shale
1964	Drilled	150	Shale
1964	Drilled	160	Shale
1964	Drilled	170	Shale
1964	Drilled	180	Shale
1964	Drilled	190	Shale
1964	Drilled	200	Shale
1964	Drilled	210	Shale
1964	Drilled	220	Shale
1964	Drilled	230	Shale
1964	Drilled	240	Shale
1964	Drilled	250	Shale
1964	Drilled	260	Shale
1964	Drilled	270	Shale
1964	Drilled	280	Shale
1964	Drilled	290	Shale
1964	Drilled	300	Shale
1964	Drilled	310	Shale
1964	Drilled	320	Shale
1964	Drilled	330	Shale
1964	Drilled	340	Shale
1964	Drilled	350	Shale
1964	Drilled	360	Shale
1964	Drilled	370	Shale
1964	Drilled	380	Shale
1964	Drilled	390	Shale
1964	Drilled	400	Shale
1964	Drilled	410	Shale
1964	Drilled	420	Shale
1964	Drilled	430	Shale
1964	Drilled	440	Shale
1964	Drilled	450	Shale
1964	Drilled	460	Shale
1964	Drilled	470	Shale
1964	Drilled	480	Shale
1964	Drilled	490	Shale
1964	Drilled	500	Shale
1964	Drilled	510	Shale
1964	Drilled	520	Shale
1964	Drilled	530	Shale
1964	Drilled	540	Shale
1964	Drilled	550	Shale
1964	Drilled	560	Shale
1964	Drilled	570	Shale
1964	Drilled	580	Shale
1964	Drilled	590	Shale
1964	Drilled	600	Shale
1964	Drilled	610	Shale
1964	Drilled	620	Shale
1964	Drilled	630	Shale
1964	Drilled	640	Shale
1964	Drilled	650	Shale
1964	Drilled	660	Shale
1964	Drilled	670	Shale
1964	Drilled	680	Shale
1964	Drilled	690	Shale
1964	Drilled	700	Shale
1964	Drilled	710	Shale
1964	Drilled	720	Shale
1964	Drilled	730	Shale
1964	Drilled	740	Shale
1964	Drilled	750	Shale
1964	Drilled	760	Shale
1964	Drilled	770	Shale
1964	Drilled	780	Shale
1964	Drilled	790	Shale
1964	Drilled	800	Shale
1964	Drilled	810	Shale
1964	Drilled	820	Shale
1964	Drilled	830	Shale
1964	Drilled	840	Shale
1964	Drilled	850	Shale
1964	Drilled	860	Shale
1964	Drilled	870	Shale
1964	Drilled	880	Shale
1964	Drilled	890	Shale
1964	Drilled	900	Shale
1964	Drilled	910	Shale
1964	Drilled	920	Shale
1964	Drilled	930	Shale
1964	Drilled	940	Shale
1964	Drilled	950	Shale
1964	Drilled	960	Shale
1964	Drilled	970	Shale
1964	Drilled	980	Shale
1964	Drilled	990	Shale
1964	Drilled	1000	Shale

Form 9-880

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. **XXX** of **N** Line and **1980** ft. **XXX** of **E** Line of **Section 14** Elevation **3729'**
(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 **February 18, 1959** Title **R. J. Heard District Superintendent**

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

Commenced drilling **January 13**, 19**59** Finished drilling **February 6**, 19**59**

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 1/4"	32.75	8rd	Used	1849	Regular	385'			Salt String
8 5/8"	28	8rd	Used	1878	Pattern	1880'			Water String
7"	23 1/2	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 1/4"	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 SHOOTING RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot	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

Put to producing **February 13**, 19**59**

The production for the first 24 hours was **257** barrels of fluid of which **100**% was oil; **0**% emulsion; _____% water; and _____% sediment. Gravity, **BA** **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. G. Crooks, Driller **Ben Porter**, Driller
Hollis Gray, Driller _____, Driller

FORMATION RECORD

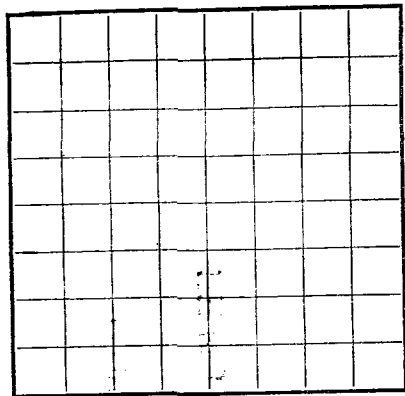
FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Caliche
10	225	215	Red shale
225	345	120	Anhy
345	352	7	Sand
352	387	35	Red shale
387	400	13	Anhy
400	430	30	Red shale
430	450	20	Anhy
450	895	445	Salt
895	925	30	Anhy
925	935	10	Red shale
935	1065	130	Anhy
1065	1197	132	Anhy & shale
1197	1224	27	Lime
1224	1619	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

FORMATION RECORD—Continued

16-48094-4

AT THE END OF COMPLETE DRILLING LOG, ADD CEMENTING RECORD, STATE WEIGHTS AND MEASUREMENTS

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. XX of N Line and 660 ft. XX of W Line of Section 14 Elevation 3711'
(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 November 3, 1959 Title H. 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"	12.75	8rd	Used	410'	Regular	415'			Salt String
7"	20 & 23	8rd	Used	1806'	Pattern	1731'			Water String
5 1/2"	14 1/2	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			XXI treated	
		20% HCl	500 gals.	10-8-59	1991-2022'	
		Crude 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, °Bé XXX API 39.0
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

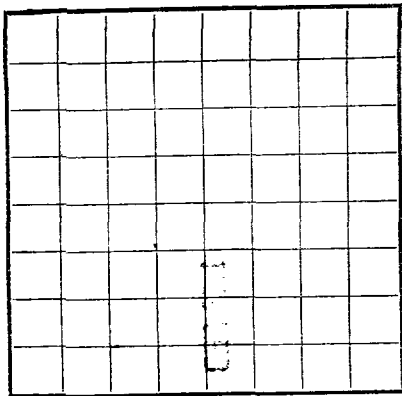
FORMATION RECORD

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

AT THE END OF COMPLETE DRILL LOG, ANY OTHER LOGS, OR TOPOG. SURV. RECORDS MUST BE ATTACHED TO THIS LOG.

Form 9-330

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 **190** ft. **E** of **W** Line of **Section 14** Elevation **3704'**
(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 **A. 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**, 19 **59** Finished drilling **November 16**, 19 **59**

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"	22.5	8	Used	2022'	Pattern				Prod. String
8 5/8"	22.5	8	Used	190'	Pattern				Water String
7"	20 & 23	8	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 SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			tested	
		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, 19 **59** Put to producing **December 9**, 19 **59**
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, **88.4** **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	SIM
1839	1890	51	Anhy

FORMATION RECORD—Continued

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

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. 26 Sec. 12 T 16S R. 27E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 990 ft. XX of E. Line of Section 12 Elevation 3714'
XX W. (Derrick floor relative to sea level)

Date January 14, 1960 Title ^{B. J. Heard}
District Superintendent

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

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

(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 _____

No. 1, from 335 to 341 No. 3, from _____ to _____
No. 2, from 1867 to 1885 No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
3/4"	22.75#	8rd	Used	415'	Regular	415'			Salt String
5/8"	23#	8rd	Used	2062'	Pattern	1995'			Water String
7"	23#	8rd	Used	2097'	Guide				Prod. String

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

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

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

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

----- 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, °Bé: 83.50

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

Rock pressure, lbs. per sq. in. _____

_____, Driller
 R. O. Caffey
 _____, Driller
 D. C. Crooks

_____, Driller
 J. G. Crow
 _____, Driller

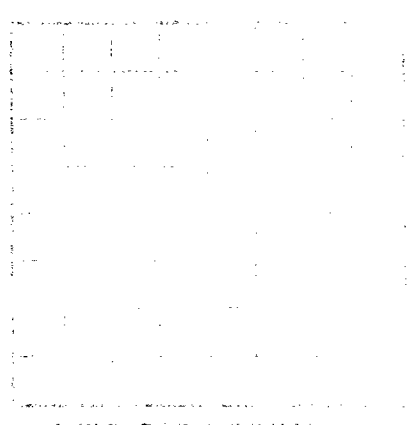
FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Sand and red shale
15	330	315	Red shale
330	335	5	Crevices
335	341	6	Sand
341	390	49	Anhy
390	410	20	Red shale
410	415	5	Anhy
415	420	5	Anhy and shale
420	440	20	Red shale
440	490	50	Anhy and shale
490	945	455	Salt
945	995	50	Anhy and shale
995	1065	70	Anhy
1065	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	SIM
1929	2038	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

AT THE END OF COMPLETE DRILLERS

AT THE END OF COMPLETE DRILLER'S
LOG, ADD ONE LINE FOR STATE
AND WHETHER FAVORABLE OR UNFAVORABLE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



1903 FEB 7 AM 8:57

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.

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

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
INSTRUMENTS			
It was well tested by pumping water from the surface. The water was clear and free from oil. The water was tested for oil by the following method: A small amount of water was placed in a glass and a few drops of oil were added. The mixture was shaken and the oil was allowed to settle. The oil was found to be clear and free from water. The water was tested for oil by the following method: A small amount of water was placed in a glass and a few drops of oil were added. The mixture was shaken and the oil was allowed to settle. The oil was found to be clear and free from water.			
TOOLS USED			
SHOOTING RECORD			
ALLOS AND DYNAMITE			
MIDDLING AND CEMENTING RECORD			

Form 9-330

Las Cruces

U. S. LAND OFFICE

SERIAL NUMBER

061638

LEASE OR PERMIT TO PROSPECT
BrewerUNITED 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. 8 Sec. 11 T. 163 R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N of S Line and 660 ft. E of E Line of Section 11 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 D. J. Heard
Date April 28, 1959 Title 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"	32.75#	8rd	Used	400'	Regular	400'			Salt String
8 5/8"	23#	8rd	Used	1870'	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	Material used	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, 28.6 °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

D. C. Crooks, Driller Hellie 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	2086	46	Shale & sand

FORMATION RECORD—CONTINUED

16-43094-4

STATE OF TEXAS
COUNTY OF DALLAS

...CORRECT...

[illegible]

The summary on this page is for the collection of the following items:

1-20

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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Date		Time		Location		Remarks	
1	10/10/1954	10:00	10:15	10:00	10:15	10:00	10:15
2	10/10/1954	10:15	10:30	10:15	10:30	10:15	10:30
3	10/10/1954	10:30	10:45	10:30	10:45	10:30	10:45
4	10/10/1954	10:45	11:00	10:45	11:00	10:45	11:00
5	10/10/1954	11:00	11:15	11:00	11:15	11:00	11:15
6	10/10/1954	11:15	11:30	11:15	11:30	11:15	11:30
7	10/10/1954	11:30	11:45	11:30	11:45	11:30	11:45
8	10/10/1954	11:45	12:00	11:45	12:00	11:45	12:00
9	10/10/1954	12:00	12:15	12:00	12:15	12:00	12:15
10	10/10/1954	12:15	12:30	12:15	12:30	12:15	12:30
11	10/10/1954	12:30	12:45	12:30	12:45	12:30	12:45
12	10/10/1954	12:45	13:00	12:45	13:00	12:45	13:00
13	10/10/1954	13:00	13:15	13:00	13:15	13:00	13:15
14	10/10/1954	13:15	13:30	13:15	13:30	13:15	13:30
15	10/10/1954	13:30	13:45	13:30	13:45	13:30	13:45
16	10/10/1954	13:45	14:00	13:45	14:00	13:45	14:00
17	10/10/1954	14:00	14:15	14:00	14:15	14:00	14:15
18	10/10/1954	14:15	14:30	14:15	14:30	14:15	14:30
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20	10/10/1954	14:45	15:00	14:45	15:00	14:45	15:00
21	10/10/1954	15:00	15:15	15:00	15:15	15:00	15:15
22	10/10/1954	15:15	15:30	15:15	15:30	15:15	15:30
23	10/10/1954	15:30	15:45	15:30	15:45	15:30	15:45
24	10/10/1954	15:45	16:00	15:45	16:00	15:45	16:00
25	10/10/1954	16:00	16:15	16:00	16:15	16:00	16:15
26	10/10/1954	16:15	16:30	16:15	16:30	16:15	16:30
27	10/10/1954	16:30	16:45	16:30	16:45	16:30	16:45
28	10/10/1954	16:45	17:00	16:45	17:00	16:45	17:00
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37	10/10/1954	19:00	19:15	19:00	19:15	19:00	19:15
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39	10/10/1954	19:30	19:45	19:30	19:45	19:30	19:45
40	10/10/1954	19:45	20:00	19:45	20:00	19:45	20:00
41	10/10/1954	20:00	20:15	20:00	20:15	20:00	20:15
42	10/10/1954	20:15	20:30	20:15	20:		

2004-05-01 10:00:00

[illegible]

0500 1 8 0412 12

100-443888-100

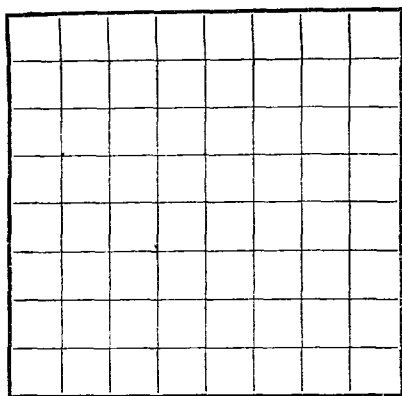
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrillings, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "disconnected," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of charges or bridges were put in to test for water, state kind of material used, position, and results of pumping or blowing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

FROM-	TO-	TOTAL FEET	FORMATION
2010	2009	13	Sandy Till
2009	2008	11	Sandy Till
2008	2007	3	Sandy Till
2007	2006	100	Sandy Till
2006	2005	100	Sandy Till
2005	2004	100	Sandy Till
2004	2003	100	Sandy Till
2003	2002	100	Sandy Till
2002	2001	100	Sandy Till
2001	2000	100	Sandy Till
2000	1999	100	Sandy Till
1999	1998	100	Sandy Till
1998	1997	100	Sandy Till
1997	1996	100	Sandy Till
1996	1995	100	Sandy Till
1995	1994	100	Sandy Till
1994	1993	100	Sandy Till
1993	1992	100	Sandy Till
1992	1991	100	Sandy Till
1991	1990	100	Sandy Till
1990	1989	100	Sandy Till
1989	1988	100	Sandy Till
1988	1987	100	Sandy Till
1987	1986	100	Sandy Till
1986	1985	100	Sandy Till
1985	1984	100	Sandy Till
1984	1983	100	Sandy Till
1983	1982	100	Sandy Till
1982	1981	100	Sandy Till
1981	1980	100	Sandy Till
1980	1979	100	Sandy Till
1979	1978	100	Sandy Till
1978	1977	100	Sandy Till
1977	1976	100	Sandy Till
1976	1975	100	Sandy Till
1975	1974	100	Sandy Till
1974	1973	100	Sandy Till
1973	1972	100	Sandy Till
1972	1971	100	Sandy Till
1971	1970	100	Sandy Till
1970	1969	100	Sandy Till
1969	1968	100	Sandy Till
1968	1967	100	Sandy Till
1967	1966	100	Sandy Till
1966	1965	100	Sandy Till
1965	1964	100	Sandy Till
1964	1963	100	Sandy Till
1963	1962	100	Sandy Till
1962	1961	100	Sandy Till
1961	1960	100	Sandy Till
1960	1959	100	Sandy Till
1959	1958	100	Sandy Till
1958	1957	100	Sandy Till
1957	1956	100	Sandy Till
1956	1955	100	Sandy Till
1955	1954	100	Sandy Till
1954	1953	100	Sandy Till
1953	1952	100	Sandy Till
1952	1951	100	Sandy Till
1951	1950	100	Sandy Till
1950	1949	100	Sandy Till
1949	1948	100	Sandy Till
1948	1947	100	Sandy Till
1947	1946	100	Sandy Till
1946	1945	100	Sandy Till
1945	1944	100	Sandy Till
1944	1943	100	Sandy Till
1943	1942	100	Sandy Till
1942	1941	100	Sandy Till
1941	1940	100	Sandy Till
1940	1939	100	Sandy Till
1939	1938	100	Sandy Till
1938	1937	100	Sandy Till
1937	1936	100	Sandy Till
1936	1935	100	Sandy Till
1935	1934	100	Sandy Till
1934	1933	100	Sandy Till
1933	1932	100	Sandy Till
1932	1931	100	Sandy Till
1931	1930	100	Sandy Till
1930	1929	100	Sandy Till
1929	1928	100	Sandy Till
1928	1927	100	Sandy Till
1927	1926	100	Sandy Till
1926	1925	100	Sandy Till
1925	1924	100	Sandy Till
1924	1923	100	Sandy Till
1923	1922	100	Sandy Till
1922	1921	100	Sandy Till
1921	1920	100	Sandy Till
1920	1919	100	Sandy Till
1919	1918	100	Sandy Till

Form 9-330

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 3 Line and 659 ft. E. of W. Line of Section 13 Elevation 3727
(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 July 10, 1959 Signed B. J. Heard
Title 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"	42.75	8rd	Used	400'	402'	402'			Water String
8 5/8"	23	8rd	Used	1950'	1951'	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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Created	
		20% HGI	500 gals.	6-29-59	2105-2134'	
		Grade 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, 1959The production for the first 24 hours was 96 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity 86 °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

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

FORMATION RECORD

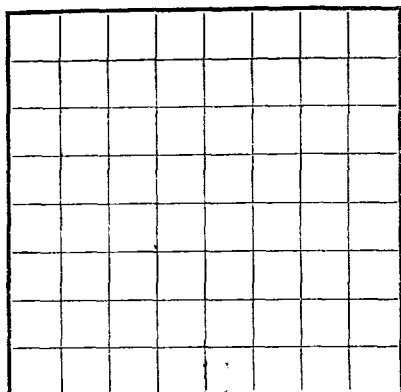
FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Red shale
260	360	100	Anhy
360	450	90	Red shale
450	495	45	Anhy
495	915	420	Salt
915	1046	131	Anhy
1046	1085	39	Lime
1085	1224	139	Anhy & shale
1224	1250	26	Lime
1250	1310	60	Anhy
1310	1332	22	Lime
1332	1663	331	Anhy
1663	1668	5	Red shale
1668	1867	199	Anhy
1867	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

FORMATION RECORD—Continued

16-43084-4

AT THE END OF COMPLETE DRILLING

Form 9-330

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 MexicoLessor or Tract Brewer Field High Lonesome State New MexicoWell No. 15 Sec. 12 T. 16SR. 29E Meridian N.M.P.M. County EddyLocation 660 ft. XXX of S. Line and 1977 ft. XXX of N. 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—	
<u>10 3/4"</u>	<u>42.75</u>	<u>8rd</u>	<u>Used</u>	<u>417'</u>	<u>Open</u>	<u>Surface</u>			<u>Water String</u>
<u>8 5/8"</u>	<u>28</u>	<u>8rd</u>	<u>Used</u>	<u>1938'</u>	<u>Pattern</u>	<u>Surface</u>			<u>Water String</u>
<u>7"</u>	<u>20</u>	<u>8rd</u>	<u>Pittsburg</u>	<u>2057'</u>	<u>Guide</u>	<u>Surface</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
<u>10 3/4"</u>	<u>416'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
<u>8 5/8"</u>	<u>1938'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>35 sacks Aquagel</u>
<u>7"</u>	<u>2060'</u>	<u>150</u>	<u>"</u>	<u>"</u>	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>Materials</u>			<u>treated</u>	
		<u>20% HCl</u>	<u>500 gals.</u>	<u>8-5-59</u>	<u>2060-2090'</u>	
		<u>Crude Oil</u>	<u>64,218 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>205,600 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 2090 feet, and from _____ feet to _____ feet

DATES

August 12, 1959 Put to producing August 11, 1959The production for the first 24 hours was 312 barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. XXX °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

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

FORMATION RECORD

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

FORMATION RECORD—Continued

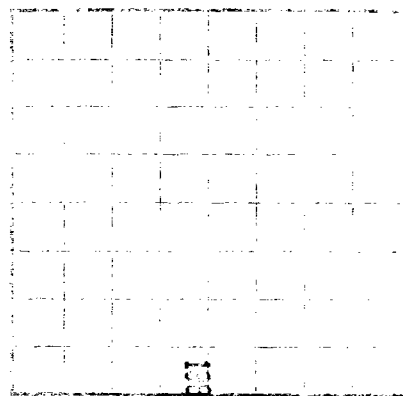
16-43094-4

AT THE END OF COMPLETE DRIER LOG, ALL RECORDING TAPES, LOG WHEN LOGGING IS DONE

Geological Survey of the United States
Department of the Interior
Bureau of Land Management
Washington, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company Name _____
Location _____
State _____
County _____
Section _____
T. _____ S. _____
R. _____ E. _____
The information given here is a copy of the original record of the well and all work done thereon.
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, give the 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.

The summary on this page is for the condition of the well at above date.
Continued Drilling _____
Date _____

OIL OR GAS SANDS OR NONDS

From _____ to _____ feet
From _____ to _____ feet
From _____ to _____ feet

WATER AND WATER SANDS

From _____ to _____ feet
From _____ to _____ feet

CASING RECORD

From _____ to _____ feet
From _____ to _____ feet

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, give the 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.

HISTORY OF OIL OR GAS WELL

DATE	DEPTH	FORMATION	REMARKS
2000	0	Red beds	
2001	1	Red beds	
2002	2	Red beds	
2003	3	Red beds	
2004	4	Red beds	
2005	5	Red beds	
2006	6	Red beds	
2007	7	Red beds	
2008	8	Red beds	
2009	9	Red beds	
2010	10	Red beds	
2011	11	Red beds	
2012	12	Red beds	
2013	13	Red beds	
2014	14	Red beds	
2015	15	Red beds	
2016	16	Red beds	
2017	17	Red beds	
2018	18	Red beds	
2019	19	Red beds	
2020	20	Red beds	
2021	21	Red beds	
2022	22	Red beds	
2023	23	Red beds	
2024	24	Red beds	
2025	25	Red beds	
2026	26	Red beds	
2027	27	Red beds	
2028	28	Red beds	
2029	29	Red beds	
2030	30	Red beds	
2031	31	Red beds	
2032	32	Red beds	
2033	33	Red beds	
2034	34	Red beds	
2035	35	Red beds	
2036	36	Red beds	
2037	37	Red beds	
2038	38	Red beds	
2039	39	Red beds	
2040	40	Red beds	
2041	41	Red beds	
2042	42	Red beds	
2043	43	Red beds	
2044	44	Red beds	
2045	45	Red beds	
2046	46	Red beds	
2047	47	Red beds	
2048	48	Red beds	
2049	49	Red beds	
2050	50	Red beds	
2051	51	Red beds	
2052	52	Red beds	
2053	53	Red beds	
2054	54	Red beds	
2055	55	Red beds	
2056	56	Red beds	
2057	57	Red beds	
2058	58	Red beds	
2059	59	Red beds	
2060	60	Red beds	
2061	61	Red beds	
2062	62	Red beds	
2063	63	Red beds	
2064	64	Red beds	
2065	65	Red beds	
2066	66	Red beds	
2067	67	Red beds	
2068	68	Red beds	
2069	69	Red beds	
2070	70	Red beds	
2071	71	Red beds	
2072	72	Red beds	
2073	73	Red beds	
2074	74	Red beds	
2075	75	Red beds	
2076	76	Red beds	
2077	77	Red beds	
2078	78	Red beds	
2079	79	Red beds	
2080	80	Red beds	
2081	81	Red beds	
2082	82	Red beds	
2083	83	Red beds	
2084	84	Red beds	
2085	85	Red beds	
2086	86	Red beds	
2087	87	Red beds	
2088	88	Red beds	
2089	89	Red beds	
2090	90	Red beds	
2091	91	Red beds	
2092	92	Red beds	
2093	93	Red beds	
2094	94	Red beds	
2095	95	Red beds	
2096	96	Red beds	
2097	97	Red beds	
2098	98	Red beds	
2099	99	Red beds	
2100	100	Red beds	

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT
BrewerUNITED 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 MexicoWell No. 2 Sec. 14 T16S R. 29E Meridian N.M.P.M. County EddyLocation 660 ~~XXX~~ of N. Line and 1980 ~~XXX~~ 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 November 2, 1959 Title S. J. Heard 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"	22.75#	8rd	Used	2023'	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 ~~EXPERIMENTAL~~ RECORD

Size	Shell used	Fracture used	Quantity	Date	Depth shot treated	Depth cleaned out
		Materials				
		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 _____ feet to 2052 feet, and from _____ feet to _____ feet

DATES

November 2, 1959 Put to producing October 12, 1959The 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. F. Parr _____, Driller Ben Porter _____, Driller

E. F. 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

AT THE BOTTOM OF EACH LOG, THE DRILLER'S
LOG, AND THE LOGS OF THE STATE
WHETHER FROM LOG OR SAMPLES.

(OVER)

16-43094-5

[illegible]

1963 FEB

7-11-57

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

000001 ONTARIO

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible][illegible]

SECRET - UNCLASSIFIED

06-26-78

CR0074 NOTABOUL

2000 2001

CONCLUSIONS

FORMATION

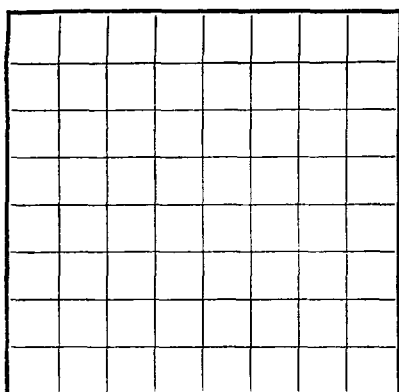
TOTAL TEST

—FO—

FROM—

FORMATION RECORD—Continued

Form 9-830

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. **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**, 19**59** Finished drilling **November 20**, 19**59**

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'	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	Material 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**, 19**59** Put to producing November **27**, 19**59**

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, **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. Grabb, 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

(OVER)

16-43094-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1000 OF OIL OR GAS WELL

1053 FEB 7 AM 8:57
H. J. OFFICE 000

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 "SLACKED" OR LEFT IN THE WELL, GIVE ITS SIZE AND LOCATION. IF THE WELL HAS BEEN DYNAMITED, GIVE DATE, 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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT
BrewerUNITED 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. [N.] of N. Line and 1280 ft. [E.] 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 District Superintendent
Date December 1, 1958 Title Superintendent

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 <u>3 1/4"</u>	<u>32.75</u>	<u>8rd</u>	<u>Used</u>	<u>101'</u>	<u>P.T.O.</u>	<u>143'</u>			<u>Salt String</u>
8 <u>5/8"</u>	<u>26 1/2</u>	<u>8rd</u>	<u>Used</u>	<u>1850'</u>	<u>P.T.O.</u>	<u>1849'</u>			<u>Water String</u>
<u>7"</u>	<u>23 1/4</u>	<u>8rd</u>	<u>Used</u>	<u>2052'</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 1/4"</u>	<u>343</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 <u>5/8"</u>	<u>1849</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>45 sacks Aquagel</u>
<u>7"</u>	<u>2055</u>	<u>150</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>15 sacks Aquagel</u>

PLUGS AND ADAPTERS

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

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>20% MCI</u>	<u>56,196 gals.</u>	<u>11-24-58</u>	<u>2055-2084'</u>	
		<u>Crude Oil</u>	<u>56,196 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>90,000#</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 2084 feet, and from _____ feet to _____ feet

DATES

_____ December 1, 1958 Put to producing _____ December 1, 1958The 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 _____, Driller

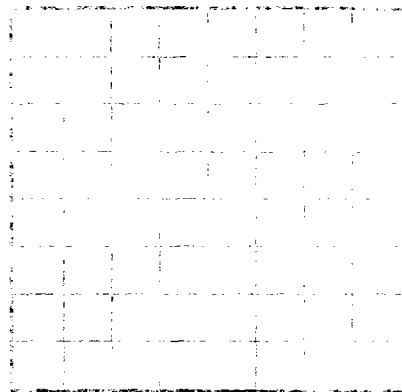
FORMATION RECORD

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

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

FIELD OFFICE REC'D
FEB 7 1932
AM 6:57

Company _____
Location or near _____
Well No. _____
Section _____ Township _____ Range _____
Location _____
The information given hereafter is a complete and correct record of the well and all work done thereon.
It is of the greatest importance to have a complete history of a 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, 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.

The summary on this page is for the condition of the well as above date
Commenced drilling _____
Finished drilling _____

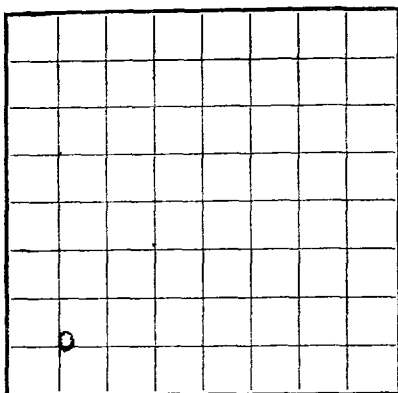
OIL OR GAS SAMPLES OF FORMER

IMPORTANT WATER VALUES

CASING RECORD

HISTORY OF OIL OR GAS WELL

FROM—	TO—	TOTAL FEET	FORMATION
0	2.5	2.5	Gravel
2.5	5.0	5.0	Sand
5.0	7.5	7.5	Clay
7.5	10.0	10.0	Shale
10.0	12.5	12.5	Sandstone
12.5	15.0	15.0	Claystone
15.0	17.5	17.5	Sandstone
17.5	20.0	20.0	Claystone
20.0	22.5	22.5	Sandstone
22.5	25.0	25.0	Claystone
25.0	27.5	27.5	Sandstone
27.5	30.0	30.0	Claystone
30.0	32.5	32.5	Sandstone
32.5	35.0	35.0	Claystone
35.0	37.5	37.5	Sandstone
37.5	40.0	40.0	Claystone
40.0	42.5	42.5	Sandstone
42.5	45.0	45.0	Claystone
45.0	47.5	47.5	Sandstone
47.5	50.0	50.0	Claystone
50.0	52.5	52.5	Sandstone
52.5	55.0	55.0	Claystone
55.0	57.5	57.5	Sandstone
57.5	60.0	60.0	Claystone
60.0	62.5	62.5	Sandstone
62.5	65.0	65.0	Claystone
65.0	67.5	67.5	Sandstone
67.5	70.0	70.0	Claystone
70.0	72.5	72.5	Sandstone
72.5	75.0	75.0	Claystone
75.0	77.5	77.5	Sandstone
77.5	80.0	80.0	Claystone
80.0	82.5	82.5	Sandstone
82.5	85.0	85.0	Claystone
85.0	87.5	87.5	Sandstone
87.5	90.0	90.0	Claystone
90.0	92.5	92.5	Sandstone
92.5	95.0	95.0	Claystone
95.0	97.5	97.5	Sandstone
97.5	100.0	100.0	Claystone



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 **Undesignated** State **New Mexico**
Well No. **2** Sec. **12** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **660 ft. [N.]** of **S.** Line and **660 ft. [E.]** of **W.** Line of **Section 12** 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 _____

Date **October 20, 1958** Title **R. J. Heard District Superintendent**

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

Commenced drilling **September 4, 1958** Finished drilling **October 5, 1958**OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from **1343'** to **1358' (G)** No. 4, from _____ to _____
No. 2, from **2060'** to **2070'** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **352'** to **362'** No. 3, from _____ to _____
No. 2, from **1828'** to **1836'** 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"	42.5	8	Steel	1000'	Regular	1000'			Producing
8 1/2"	29	8	Steel	2058'	Guide	2058'			Producing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	408'	None	Obtained formation shut-off		
8 1/2"	1857'	None	Obtained formation shut-off		
7"	2063'	150	Pump & Plug	Heavy	50 bbls.

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% HC	500 gals.	10-12-58	2060-2080'	
		Comie Oil	53,424 gals.	10-12-58		
		Ottawa Sand	85,000 lb.			

TOOLS USED

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

Cable tools were used from **0** feet to **2710** feet, and from _____ feet to _____ feet

DATES

_____ **October 20** _____, 19**58** Put to producing _____ **October 16** _____, 19**58**The production for the first 24 hours was **396** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. **°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 _____**Ben Porter**_____, Driller
_____**D. C. Crooks**_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	237	237	Red shale & sand
237	362	125	Anhy & gyp
362	405	43	Red shale
405	413	8	Anhy & gyp
413	445	32	Red shale
445	463	18	Anhy
463	890	427	Salt
890	1055	165	Anhy
1055	1070	15	Lime
1070	1118	48	Red shale
1118	1206	88	Shale & anhy
1206	1886	680	Anhy
1886	1900	14	Anhy & red shale
1900	2000	100	Anhy
2000	2048	48	Anhy & red shale
2048	2085	37	Sand
2085	2108	23	Anhy
2108	2220	112	Anhy & red shale
2220	2258	38	Anhy
2258	2284	26	Lime & anhy
2284	2315	31	Anhy
2315	2450	135	Lime
2450	2462	12	Red shale & anhy
2462	2474	12	Anhy
2474	2498	24	Anhy & lime
2498	2507	9	Anhy
2507	2521	14	Anhy & lime

FORMATION RECORD CONTINUED

Exhibit 2-e

U. S. LAND OFFICE

SERIAL NUMBER 061638

LEASE OR PERMIT TO PROSPECT
BrewerUNITED 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. 14 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. XXI of N Line and 1980 ft. XXI 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 B. 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"	23 1/2	8rd	Used	1976'	Pattern				Water String
7"	20	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	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 _____ 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, 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

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

FORMATION RECORD

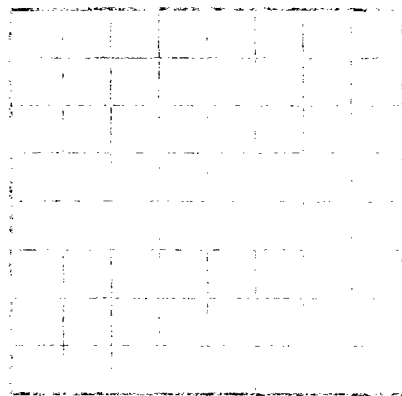
FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	15	10	Caliche
15	270	255	Sand & shale
270	325	55	Anhy & shale
325	335	10	Gravel
335	400	65	Anhy
400	480	80	Anhy & shale
480	490	10	Anhy
490	927	437	Silt
927	1010	83	Anhy & shale
1010	1110	100	Anhy
1110	1155	45	Red shale
1155	1195	40	Anhy
1195	1255	60	Anhy & 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	-5	SH
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Line
2039	2095	56	Anhy & shale

FORMATION RECORD—Continued

16-43094-4

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

1953 FEB 7 41 8 58

OFFICE OF OIL

Company Name _____
Location of Well _____
Section _____
Twp _____
Range _____
County _____
State _____
Address _____
City _____
State _____
Zip _____
Name of Person to be Contacted _____
Phone Number _____
This log is to be filled out by the person who drilled the well. It should be filled out as soon as the well is completed. It should be filled out as soon as the well is completed. It should be filled out as soon as the well is completed.

The company on this page is the owner of the well. It is the responsibility of the company to fill out this log. It is the responsibility of the company to fill out this log. It is the responsibility of the company to fill out this log.

WELL LOG

1. Name of well _____
2. Location of well _____
3. Date of completion _____
4. Name of person who drilled well _____
5. Name of company that drilled well _____
6. Name of person who owns well _____
7. Name of person who is in charge of well _____
8. Name of person who is in charge of well _____
9. Name of person who is in charge of well _____
10. Name of person who is in charge of well _____

WELL LOG

1. Name of well _____
2. Location of well _____
3. Date of completion _____
4. Name of person who drilled well _____
5. Name of company that drilled well _____
6. Name of person who owns well _____
7. Name of person who is in charge of well _____
8. Name of person who is in charge of well _____
9. Name of person who is in charge of well _____
10. Name of person who is in charge of well _____

WELL LOG

1. Name of well _____
2. Location of well _____
3. Date of completion _____
4. Name of person who drilled well _____
5. Name of company that drilled well _____
6. Name of person who owns well _____
7. Name of person who is in charge of well _____
8. Name of person who is in charge of well _____
9. Name of person who is in charge of well _____
10. Name of person who is in charge of 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

FROM—	TO—	TOTAL FEET	FORMATION
2095	2077	18	Shale
2090	2077	13	Shale
2087	2077	10	Shale
2040	2077	37	Shale & sand
2340	2077	153	Shale
2365	2077	25	Shale
2375	2077	30	Shale & lime
2400	2077	25	Shale
2445	2077	45	Shale
2480	2077	45	Shale
2530	2077	40	Shale & shale
2543	2077	13	Shale & lime
2562	2077	19	Shale
2588	2077	26	Shale & lime
2599	2077	11	Shale & lime
2599	2077	6	Shale
2578	2077	13	Shale & shale
2618	2077	19	Shale & lime

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 061638
LEASE OR PERMIT TO PROSPECT BrewerUNITED 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. 19 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1980 ft. E. 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, 1959Title 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	1977'	Paterson	1929'			Water string
8 5/8"	23#	8rd	Used	1929'	Paterson	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"	<u>420'</u>	<u>None</u>	<u>Obtained formation shut-off</u>		
8 5/8"	<u>1929'</u>	<u>None</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>30 sacks Aquagel</u>
7"	<u>2077'</u>	<u>150</u>	<u>" "</u>		

PLUGS AND ADAPTERS

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

STIMULATIONS RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot treated	Depth cleaned out
		<u>20% HCl</u>	<u>500 gals.</u>	<u>9-7-59</u>	<u>2077-2106'</u>	
		<u>Crude Oil</u>	<u>61,866 gals.</u>	<u>" "</u>	<u>" "</u>	
		<u>Ottawa Sand</u>	<u>200,000 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 _____ feet to 2106 feet, and from _____ feet to _____ feet

DATES

_____ September 15, 19____ Put to producing _____ September 13, 1959The production for the first 24 hours was 433 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. Grabt_____, Driller _____G. H. Harris_____, Driller
_____J. G. 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	1210	100	Anhy & shale
1210	1600	390	Anhy
1600	1635	35	Broken anhy
1635	1675	40	Sandy shale
1675	1850	175	Anhy
1850	1860	10	Red sand

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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

REPRODUCTION OF THIS DOCUMENT IS PROHIBITED

No. 1 from _____
No. 2 from _____
No. 3 from _____

(Insert page no.)

No. 4 from _____
No. 5 from _____
No. 6 from _____

REF ID: A67915

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PROCESS IMPROVEMENT

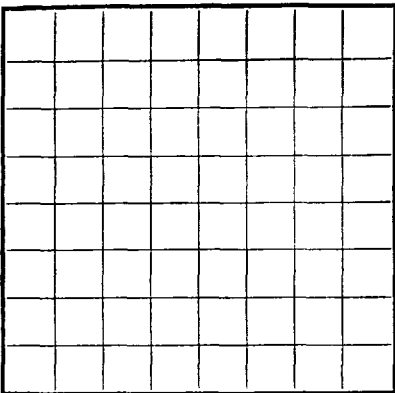
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2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...
11	...	...	...	...
12	...	...	...	...
13	...	...	...	...
14	...	...	...	...
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92	...	...	...	...
93	...	...	...	...
94	...	...	...	...
95	...	...	...	...
96	...	...	...	...
97	...	...	...	...
98	...	...	...	...
99	...	...	...	...
100	...	...	...	...

as 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 "displaced," 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or running.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION	FORMATION	FORMATION	FORMATION
1900	1902	1904	1906
1908	1910	1912	1914
1916	1918	1920	1922
1924	1926	1928	1930
1932	1934	1936	1938
1940	1942	1944	1946
1948	1950	1952	1954
1956	1958	1960	1962
1964	1966	1968	1970
1972	1974	1976	1978
1980	1982	1984	1986
1988	1990	1992	1994
1996	1998	2000	2002
2004	2006	2008	2010
2012	2014	2016	2018
2020	2022	2024	2026
2028	2030	2032	2034
2036	2038	2040	2042
2044	2046	2048	2050
2052	2054	2056	2058
2060	2062	2064	2066
2068	2070	2072	2074
2076	2078	2080	2082
2084	2086	2088	2090
2092	2094	2096	2098
2100	2102	2104	2106
2108	2110	2112	2114
2116	2118	2120	2122
2124	2126	2128	2130
2132	2134	2136	2138
2140	2142	2144	2146
2148	2150	2152	2154
2156	2158	2160	2162
2164	2166	2168	2170
2172	2174	2176	2178
2180	2182	2184	2186
2188	2190	2192	2194
2196	2198	2200	2202
2204	2206	2208	2210
2212	2214	2216	2218
2220	2222	2224	2226
2228	2230	2232	2234
2236	2238	2240	2242
2244	2246	2248	2250
2252	2254	2256	2258
2260	2262	2264	2266
2268	2270	2272	2274
2276	2278	2280	2282
2284	2286	2288	2290
2292	2294	2296	2298
2300	2302	2304	2306
2308	2310	2312	2314
2316	2318	2320	2322
2324	2326	2328	2330
2332	2334	2336	2338
2340	2342	2344	2346
2348	2350	2352	2354
2356	2358	2360	2362
2364	2366	2368	2370
2372	2374	2376	2378
2380	2382	2384	2386
2388	2390	2392	2394
2396	2398	2400	2402
2404	2406	2408	2410
2412	2414	2416	2418
2420	2422	2424	2426
2428	2430	2432	2434
2436	2438	2440	2442
2444	2446	2448	2450
2452	2454	2456	2458
2460	2462	2464	2466
2468	2470	2472	2474
2476	2478	2480	2482
2484	2486	2488	2490
2492	2494	2496	2498
2500	2502	2504	2506
2508	2510	2512	2514
2516	2518	2520	2522
2524	2526	2528	2530
2532	2534	2536	2538
2540	2542	2544	2546
2548	2550	2552	2554
2556	2558	2560	2562
2564	2566	2568	2570
2572	2574	2576	2578
2580	2582	2584	2586
2588	2590	2592	2594
2596	2598	2600	2602
2604	2606	2608	2610
2612	2614	2616	2618
2620	2622	2624	2626
2628	2630	2632	2634
2636	2638	2640	2642
2644	2646	2648	2650
2652	2654	2656	2658
2660	2662	2664	2666
2668	2670	2672	2674
2676	2678	2680	2682
2684	2686	2688	2690
2692	2694	2696	2698
2700	2702	2704	2706
2708	2710	2712	2714
2716	2718	2720	2722
2724	2726	2728	2730
2732	2734	2736	2738
2740	2742	2744	2746
2748	2750	2752	2754
2756	2758	2760	2762
2764	2766	2768	2770
2772	2774	2776	2778
2780	2782	2784	2786
2788	2790	2792	2794
2796	2798	2800	2802
2804	2806	2808	2810
2812	2814	2816	2818
2820	2822	2824	2826
2828	2830	2832	2834
2836	2838	2840	2842
2844	2846	2848	2850
2852	2854	2856	2858
2860	2862	2864	2866
2868	2870	2872	2874
2876	2878	2880	2882
2884	2886	2888	2890
2892	2894	2896	2898
2900	2902	2904	2906
2908	2910	2912	2914
2916	2918	2920	2922
2924	2926	2928	2930
2932	2934	2936	2938
2940	2942	2944	2946
2948	2950	2952	2954
2956	2958	2960	2962
2964	2966	2968	2970
2972	2974	2976	2978
2980	2982	2984	2986
2988	2990	2992	2994
2996	2998	3000	3002

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. **24** Sec. **13** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1980** ft. **N** of **3** 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'	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 ~~X-SHOOTING~~ RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	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 _____ feet to **2147** feet, and from _____ feet to _____ feet

DATES

_____ **December 9** _____, 1959 Put to producing _____ **December 9** _____, 1959The 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

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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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD-Continued

Form 9-330

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061638**
LEASE OR PERMIT TO **PROSPECT**
BrewerUNITED 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. **27** Sec. **14** T. **16S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **990** ft. **N** of **3** 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 **R. J. Heard**
Date **March 9, 1960** Title **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'	Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	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 ~~STIMULATING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth used 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 **2036** feet, and from _____ feet to _____ feet

DATES

_____ **March 9** _____, 19 **60** Put to producing _____ **March 2** _____, 19 **60**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, **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

_____ **E. T. Harney** _____, 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	Sandy sand

100 02 OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MAIN OFFICE 000
1963 FEB 7 AM 6:58

ONE OF THE FOLLOWING

IMPERIAL COUNTY

CASINO 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 "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

18-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
			WINDING AND CEMENTING RECORD
			TOUGH AND SANDS
			FOOTING
			FORMATION RECORD

U. S. GOVERNMENT PRINTING OFFICE: 1963 O 354,201
5010-108-01

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. SW 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.

Date January 14, 1960 Signed B. J. Heard
Title 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	354#	Regular	367#			Salt String
8	5/8"	28#	8rd	Used	1819#	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
MARK 10 8	3/4"	367'	None	Obtained formation shut-off		
	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 ~~RECORDING~~ RECORD

Size	Shell used	Material used	Quantity	Date	Depth used	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**-----, 19**60**----- Put to producing -----**December 26**-----, 19**59**-----

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, XBL °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

<u>E. T. Hancy</u>	, Driller	<u>J. E. Wilcox</u>	, Driller
<u>G. H. Harrie</u>	, Driller	<u>J. G. Crow</u>	, 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 ... MILLER'S
 LOG, ADD ... TOPS, STATE

16-43004-5

AT THE . . . DRILLER'S LOG, ADD . . . STATE WHETHER FROM EL OR SAMPLES.

1000 900 800 700 600 500 400 300 200 100 0

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HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1969 O - 350-942

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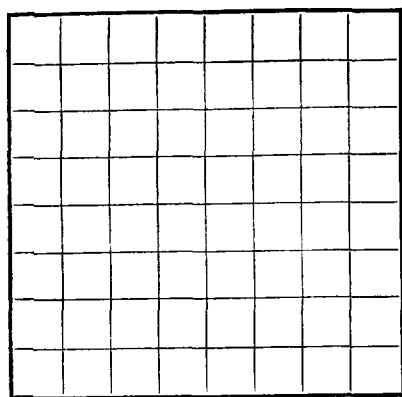
—FROM—

FORMATION RECORD—Continued

Form 9-330

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 Lonesome State New Mexico
Well No. 20 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. XXX of N. Line and 1980 ft. XXX 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"	20#	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 ~~SMOOTHING~~ RECORD

Size	Shell used	Expenditure used	Quantity	Date	Depth shut 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 _____ 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 % sediments. 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	SIM
1836	1845	9	Lime
1845	2019	174	Anhy
2019	2023	4	Sandy lime
2023	2052	29	Sand

(OVER)

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'
(Derive from 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	442'	Regular	442'			Salt String
8 5/8"	28#	8rd	Used	1941'	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 ~~X SHOOTING~~ RECORD

Size	Shell used	Material 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 _____ feet to 2133 feet, and from _____ feet to _____ feet.

DATES

-----**November 27**-----, 19 59----- Put to producing -----**November 27**-----, 19 59-----

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. _____

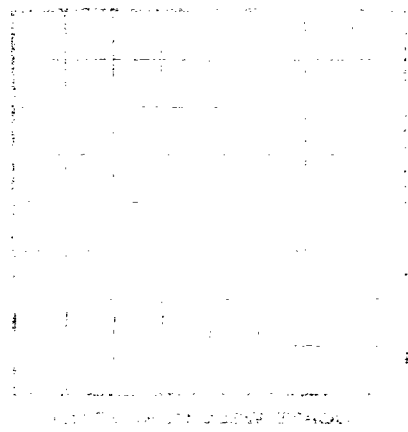
EMPLOYEES

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



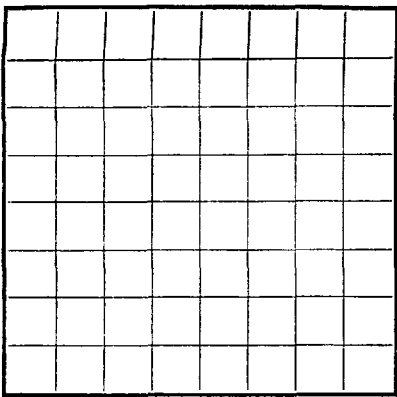
HISTORY OF OIL OR GAS WELL

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, 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

16-58094-2 U. S. GOVERNMENT PRINTING OFFICE

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



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. 20 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. XXX of N Line and 1980 ft. XXX 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.
Signed _____
Date November 2, 1959 Title R. J. Heard 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 shot 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 _____ 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 ODG 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

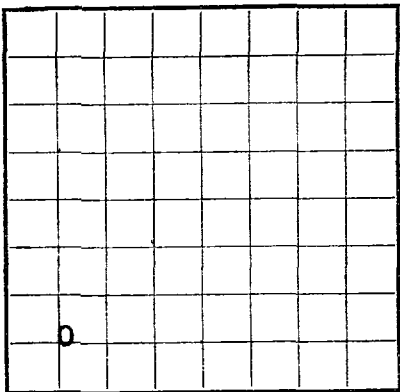
FORMATION RECORD

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

(OVER)

Form 9-330

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. 2 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [N.] of S Line and 660 ft. [E.] of W Line of Section 12 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 _____
Date October 20, 1958 Title R. J. Heard District Superintendent

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

Commenced drilling September 4, 1958 Finished drilling October 5, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1343' to 1358' (G) No. 4, from _____ to _____
No. 2, from 2060' to 2070' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 352' to 362' No. 3, from _____ to _____
No. 2, from 1828' to 1836' 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	Used	1000'	Normal	1000'			Drilling
8 5/8"	26.0	8.0	Used	1857'	Normal	1857'			Drilling
7"	23.0	8.0	Mixed	2058'	Cable	2058'			Drilling

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	408'	None	Obtained formation shut-off		
8 5/8"	1857'	None	Obtained formation shut-off		
7"	2060'	150	Pump & Plug	Heavy	50 bbls.

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.	10-12-58	2060-2080'	
		Crude Oil	53,424 gals.	10-12-58		
		Ottawa Sand	85,000 lb.			

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

October 20, 1958 Put to producing October 16, 1958

The production for the first 24 hours was 396 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. °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

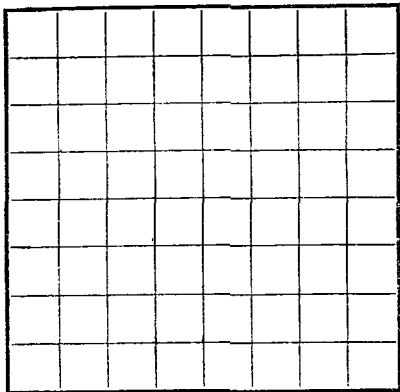
M. H. Crabb, Driller Ben Porter, Driller
D. C. Crooks, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	237	237	Red shale & sand
237	362	125	Anhy & gyp
362	405	43	Red shale
405	413	8	Anhy & gyp
413	445	32	Red shale
445	463	18	Anhy
463	890	427	Salt
890	1055	165	Anhy
1055	1070	15	Lime
1070	1118	48	Red shale
1118	1206	88	Shale & anhy
1206	1886	680	Anhy
1886	1900	14	Anhy & red shale
1900	2000	100	Anhy
2000	2048	48	Anhy & red shale
2048	2085	37	Sand
2085	2108	23	Anhy
2108	2220	112	Anhy & red shale
2220	2258	38	Anhy
2258	2281	23	Lime & anhy
2281	2335	54	Anhy
2335	2450	115	Lime
2450	2462	12	Red shale & anhy
2462	2474	12	Anhy
2474	2498	24	Anhy & lime
2498	2507	9	Anhy
2507	2521	14	Anhy & lime

AT THE END OF EACH LOG, COMPLETE DRILLER'S LOG, ADDITIONAL STATE VOUCHER COPIES.

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**, 19**59** Finished drilling **July 25**, 19**59**

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"	82.75#	8rd	Used	415'	Regular	415'			Calt. String
8 5/8"	62#	8rd	Used	1976'	Palmer	1976'			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 _____ feet to **2637** feet, and from _____ feet to _____ feet

DATES

August 7, 19**59** Put to producing **August 6**, 19**59**

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, **DEK** °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

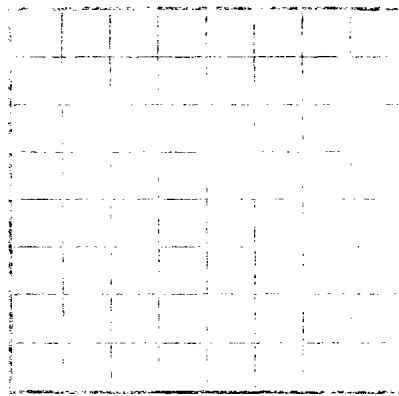
FORMATION RECORD

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	Silt & shale
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	-5	Silt
1950	1959	9	Anhy
1959	1967	8	Sandy line
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, ADD UP LOGGING TOPS. STATE WHETHER ANY OF THEM ARE SAMPLES.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company Name, Address, State, County, Township, Range, Section, and other location details.

Information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Oil or Gas Ranges or Zones: No. 1 from, No. 2 from, No. 3 from.

Water Ranges: No. 1 from, No. 2 from, No. 3 from.

Casing Record: Table with columns for depth, casing size, and other details.

History of Oil or Gas Well: Section for recording the history of the well.

FORMATION RECORD			
FORMATION	DEPTH	THICKNESS	DESCRIPTION
...	...	...	...

Form 9-330

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. 19 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1980 ft. E. of E. Line of Section 12 Elevation 3738'
(Deviation 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 1/4"	32.0#	8rd	Used	417'	Regular	420'			Salt String
8	5/8"	23#	8rd	Used	1929'	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 1/4"	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	Material used	Quantity	Date	Depth treated	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, 10.1 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. Crabh, 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

END OF COMPLETE DRILLER'S
LOG TO BE FILED IN STATE
GEOLOGICAL SURVEY FROM ALL LOG SAMPLES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are also dashed midlines between some of the solid lines, which is typical of primary-ruled notebook paper. The paper appears slightly aged or off-white. There is no handwriting or other markings on the page.

LOCATE WELL CORRECTLY

The summary on this page is the opinion of the author above date

Approved _____
Special Agent in Charge

[illegible]

REF ID: A6742647

to the following:

From	To	Amount
From the	To the	Amount
From the	To the	Amount
From the	To the	Amount

SECRET

[illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible]

It is of the greatest importance to have a complete record of the well. Please state in detail the dates of feedings, 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 "detracked," or left in the well, give its size and location. If the well has been dismantled, give date, size, position, and number of bridges or pillars were put in to test for water; state kind of material used, position, and results of pumping or draining.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

RECORD OF RECORD

[illegible]

RECEIVED

_____ Date _____

2025 RELEASE UNDER E.O. 14176

[illegible]

05217 2.0007

1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352</
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25740

It was well on ft. per 24 hours	Galathea gasoline per 1,000 cu. ft. of gas
emulsion: 90% water; and 10% gasoline	Gravity, 68.6
The production for the first 24 hours was 433	Amount of fluid of which 144.6 was oil
	But no producing

23 JUL 1973

1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348</
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OFFICE MEMORANDUM

FORMATION	THICKNESS	DEPTH	DATE
Red clay	10	10	1932
Red shale	10	20	1932
Red shale	10	30	1932
Red shale	10	40	1932
Red shale	10	50	1932
Red shale	10	60	1932
Red shale	10	70	1932
Red shale	10	80	1932
Red shale	10	90	1932
Red shale	10	100	1932
Red shale	10	110	1932
Red shale	10	120	1932
Red shale	10	130	1932
Red shale	10	140	1932
Red shale	10	150	1932
Red shale	10	160	1932
Red shale	10	170	1932
Red shale	10	180	1932
Red shale	10	190	1932
Red shale	10	200	1932
Red shale	10	210	1932
Red shale	10	220	1932
Red shale	10	230	1932
Red shale	10	240	1932
Red shale	10	250	1932
Red shale	10	260	1932
Red shale	10	270	1932
Red shale	10	280	1932
Red shale	10	290	1932
Red shale	10	300	1932
Red shale	10	310	1932
Red shale	10	320	1932
Red shale	10	330	1932
Red shale	10	340	1932
Red shale	10	350	1932
Red shale	10	360	1932
Red shale	10	370	1932
Red shale	10	380	1932
Red shale	10	390	1932
Red shale	10	400	1932
Red shale	10	410	1932
Red shale	10	420	1932
Red shale	10	430	1932
Red shale	10	440	1932
Red shale	10	450	1932
Red shale	10	460	1932
Red shale	10	470	1932
Red shale	10	480	1932
Red shale	10	490	1932
Red shale	10	500	1932
Red shale	10	510	1932
Red shale	10	520	1932
Red shale	10	530	1932
Red shale	10	540	1932
Red shale	10	550	1932
Red shale	10	560	1932
Red shale	10	570	1932
Red shale	10	580	1932
Red shale	10	590	1932
Red shale	10	600	1932
Red shale	10	610	1932
Red shale	10	620	1932
Red shale	10	630	1932
Red shale	10	640	1932
Red shale	10	650	1932
Red shale	10	660	1932
Red shale	10	670	1932
Red shale	10	680	1932
Red shale	10	690	1932
Red shale	10	700	1932
Red shale	10	710	1932
Red shale	10	720	1932
Red shale	10	730	1932
Red shale	10	740	1932
Red shale	10	750	1932
Red shale	10	760	1932
Red shale	10	770	1932
Red shale	10	780	1932
Red shale	10	790	1932
Red shale	10	800	1932
Red shale	10	810	1932
Red shale	10	820	1932
Red shale	10	830	1932
Red shale	10	840	1932
Red shale	10	850	1932
Red shale	10	860	1932
Red shale	10	870	1932
Red shale	10	880	1932
Red shale	10	890	1932
Red shale	10	900	1932
Red shale	10	910	1932
Red shale	10	920	1932
Red shale	10	930	1932
Red shale	10	940	1932
Red shale	10	950	1932
Red shale	10	960	1932
Red shale	10		

FORMATION RECORD—Continued