Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 7 Sec. 13 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 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 April 7, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	420'	Regular	None			Salt String
8 5/8"	24#	8rd	Used	1941'	Regular	None			Water String
7"	23#	8rd	Used	2081'	Guide	2084'			Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2119 feet, and from ____ feet to ____ feet

DATES

April 7, 1959 Put to producing April 4, 1959

The production for the first 24 hours was 296 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, ~~Be.~~ °API 36.0°

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

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

FORMATION RECORD

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

AT THE END OF COMPLETE DRILLER'S LOG, ATTACH

FOLD | MARK

[OVER]

16—43094-4

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 N. / S.] of N Line and 1977 ft. [E. / XXX W.] 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	434'	Regular	435'			Salt String
8	5/8"	28#	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	3/4"	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 1848 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, ~~Be.~~ °API 35.5°

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

EMPLOYEES

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

FORMATION RECORD

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

AT THE END OF ... DRILLER'S LOG ... VERIFIED

[OVER]

16—43094-4

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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 R. J. Heard
Date August 5, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1831'	Pattern				Inter. 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 RECORD

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

TOOLS USED

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

DATES

August 6, 1959 Put to producing July 13, 1959

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

FOLD | MARK

(OVER)

FORMATION RECORD—Continued

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S Line and 1980 ft. {E./W.} of W Line of Section 14 Elevation 3711'
(Derrick floor relative to sea level)

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

Signed R. J. Heard
Date September 8, 1959 Title District Superintendent

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

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

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

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

IMPORTANT WATER SANDS

No. 1, from 320' to 324' No. 3, from ____ to ____
No. 2, from 1805' to 1815' No. 4, from ____ to ____

CASING RECORD

	Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	367'	Regular	374'			Salt String
	7"	20 & 23#	8rd	Used	1840'	Pattern Texas	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 RECORD

Size	Shell used	Materials used	Quantity	Date	Depth 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, °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

FILE END OF COMPLETE DRILLER'S LOG WITH STATE

(OVER)

16—43094-4

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 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 R. 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	28#	8rd	National	1913'	Texas 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	" "		

FOLD | MARK

PLUGS AND ADAPTERS

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

FRACTURING ~~SHOOTING~~ RECORD

Size	Shell used	~~Explosive~~ Materials used	Quantity	Date	~~Depth shot~~ 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, 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, ~~°Bé~~ °API 35.4°

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

EMPLOYEES

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

FORMATION RECORD

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

[OVER]

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 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. {N.} of N Line and 660 ft. {E.} of E Line of Section 14 Elevation 3728'
(Derrick floor relative to sea level)

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

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

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

Commenced drilling Aug. 3, 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	used	379'	regular	380'			Salt String
8 5/8"	24#	8rd	used	1880'	regular	1883'			Water String
7"	20#	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"	380'	None	Obtained formation shut-off		
8 5/8"	1883'	None	Pump & Plug	Heavy	50 sacks Aquagel
7"	2061'	150	Pump & Plug		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

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

TOOLS USED

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

DATES

Sept. 2, 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	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	Sand

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16—43094-4

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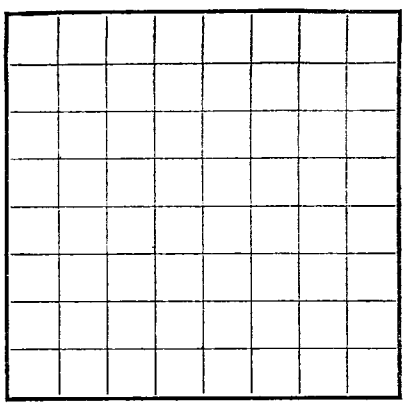
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 5 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N.} of N Line and 1980 ft. {W.} 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 R. J. Heard
Date February 18, 1959 Title District Superintendant

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	383	Regular	385'			Salt String
8	5/8"	28#	8rd	Used	1878	Texas 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 " "

MARK FOLD

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	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, °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

COMPLETE DRILLER'S

(OVER)

16—43094-4

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 S Line and 2310 ft. {E.} 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 R. J. Heard
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, 19 59 Finished drilling December 17, 19 59

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	364'	Regular	367'			Salt String
8	5/8"	28#	8rd	Used	1819'	Texas Pattern	1818'			Water String
	7"	23#	8rd	Used	2027'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

MARK

FOLD

PLUGS AND ADAPTERS

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

STIMULATION RECORD

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

TOOLS USED

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

DATES

January 14, 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, °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

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

16—43094-5

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 S Line and 1978 ft. {E.} of W Line of Section 13 Elevation 3730' (Derrick floor relative to sea level)

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

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

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

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

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

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

IMPORTANT WATER SANDS

No. 1, from 378' to 381' No. 3, from to
No. 2, from 1884' to 1900' No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	419'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Texas Pattern	1917'			Water String
7"	23#	8rd	Used	2119'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION RECORD

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

TOOLS USED

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

DATES

December 9, 1959 Put to producing December 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 EACH DRILLER'S LOG, ADD GEOLOGIC TOPS, STATE WHETHER FROM EL OR SAMPLES.

16—43094-5

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 27 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 990 ft. {N.} of S Line and 660 ft. {E.} of W Line of Section 14 Elevation 3699'
(Derrick floor relative to sea level)

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

Signed 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	397'			Salt String
8 5/8"	28#	8rd	Used	1810'	Texas Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATION RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 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, °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

FOLD | MARK

[OVER]

16—43094-5

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

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. {E.} 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 R. J. Heard
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 23, 19 59 Finished drilling December 19, 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 From—	Perforated To—	Purpose
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	" "	"	

FOLD | MARK

PLUGS AND ADAPTERS

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

STIMULATION SHOOTING RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		20% HCl	500 gals.	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, 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, Be. 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

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

[OVER]

Form approved.
Budget Bureau No. 42-R355.4.

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

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. {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 R. J. Heard

Date February 8, 1960 Title 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 From—	Perforated To—	Purpose
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	" "		

MARK

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.	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, °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

FO

[OVER]

FORMATION RECORD—Continued

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

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

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.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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, New Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [N.] of S Line and 1977 ft. [E.] of W Line of Section 12 Elevation 3733'
(Derrick floor relative to sea level)

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

Signed
Date August 12, 1959 Title R. J. Heard District Superintendent

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

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

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2060' to 2087' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 330' to 340' No. 3, from to
No. 2, from 1845' to 1865' No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
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 used	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, °API 35.0°

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

EMPLOYEES

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

FORMATION RECORD

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

AT THE END OF COMPLETE DRILLER'S LOG

[OVER]

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2000	2007	7	Anhy & red beds
2007	2015	8	Anhy
2015	2022	7	Lime
2022	2028	6	Anhy & sand
2028	2054	26	Anhy
2054	2060	6	Sandy lime
2060	2085	25	Sand
2085	2090	5	Sand & anhy

HISTORY OF OIL OR GAS WELL

If 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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

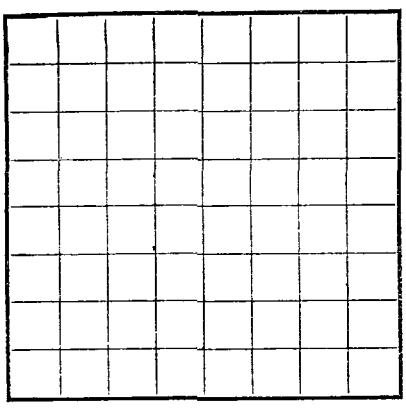
UNITED STATES

LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 S.] of N Line and 660 ft. [E. 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 R. J. Heard
Date November 3, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	410'	Regular	415'			Salt String
7"	20 & 23#	8rd	Used	1806'	Pattern	1791'			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 XXXXXXXX RECORD

Size	Shell used	Materials XXXXXXX used	Quantity	Date	Depth XXX 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

FOLD | MARK

T THE END OF COMPLETE DRILLERS
SS, ADD GEOLOGIC TOPS, STATE
WHETHER FROM ELECTRIC

FROM— TO— TOTAL FEET FORMATION

[OVER]

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOCATE WELL CORRECTLY

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.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	382'	Regular				Salt String
8 5/8"	28#	8rd	Used	1839'	Texas Pattern				Water String
7"	20 & 23#	8rd	Used	2022'	Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

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

MARK

FOLD

PLUGS AND ADAPTERS

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

STIMULATION RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 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, °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	Salt
1839	1890	51	Anhy

AT THE END OF COMPLETE DRILLER'S LOG, ATTACH STATE

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1890	1916	26	Anhy and red shale
1916	1946	30	Anhy
1946	2005	59	Anhy and shale
2005	2025	20	Anhy and sandy lime
2025	2046	21	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.

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

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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.

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

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	341'	Texas Pattern	343'			Salt String
8	5/8"	28#	8rd	Used	1850'	Texas Pattern	1849'			Water String
	7"	23#	8rd	Used	2052'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth treated	Depth cleaned out
		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

AT THE END OF COMPLETE DRILLER'S LOG, ADD ON STATE ...

(OVER)

FORMATION RECORD—Continued

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please write 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

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

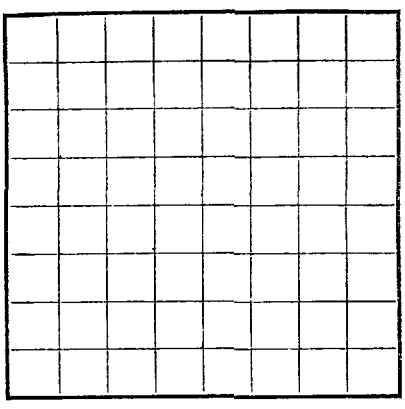
LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 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 From—	Perforated To—	Purpose
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	" "		

MARK

FOLD

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.	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, °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, ATTACH ALL ELECTRIC AND OTHER LOGS RUN ON THE WELL AND DIRECTIONAL SURVEY REPORTS TO THIS REPORT, WHEN THIS INFORMATION IS NOT AVAILABLE TO THE STATE

FORMATION RECORD—Continued

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2049	2062	13	Sandy lime
2062	2083	21	Sand
2083	2086	3	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

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 Undesignated State New Mexico
Well No. 12 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S Line and 659 ft. {E./W.} 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 R. J. Heard
Date July 10, 1959 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Regular	402'			Salt String
8 5/8"	28#	8rd	Used	1950'	Texas 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 3/4"	402	None	Obtained formation shut-off		
8 5/8"	1951	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2105	200	" "		

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Materials used	Quantity	Date	Depth shot or 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, °API 35.0°

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

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

FORMATION RECORD

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

AT THE END OF COMPLETE DRILLER'S LOG, ATTACH ...

FOLD | MARK

(OVER)

16—43094-4

Budget Bureau No. 42-R356.4
Approval expires [illegible]

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. 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' (Denote where measured)

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 July 10, 1959 Title District Superintendent

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

Commenced drilling June 2, 1959. Finished drilling June 27, 1959.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1565' to 1570' (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 From—	Perforated To—	Purpose
10 3/4"	[illegible]			[illegible]	[illegible]				
8 5/8"	24#			1951'	[illegible]				
7"	23 & 24#	8rd & 10V	Used	2102'	Guide				Float Collar

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

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"	2102	200	"		

PLUGS AND ADAPTERS

Heaving plug—Material ... Length ... Depth set ...

Adapters—Material ... Size ...

~~SHOOTING~~ STIMULATION RECORD

Size	Shell used	~~Explosive used~~ Materials	Quantity	Date	Depth ~~shot~~ 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, ~~°Bé.~~ °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. Parr, Driller Ben Porter, Driller

S. 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

FROM—	TO—	TOTAL FEET	FORMATION

Exhibit 2-v

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S. Line and 1980 ft. {E./W.} of W. Line of Section 14 Elevation 3711'
(Derrick floor relative to sea level)

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

Signed R. J. Heard
Date September 8, 1959 Title District Superintendent

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

Commenced drilling August 6, 19 59 Finished drilling August 29, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Head	367'	Regular	374'			Surface String
7"	20 & 23#	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	"	"	

MARK

PLUGS AND ADAPTERS

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

SHOOTING RECORD

STIMULATION

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Or 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 0 feet to 2047 feet, and from ____ feet to ____ feet

DATES

September 8, 19____ Put to producing September 1, 19 59

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, °B4 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

FOLD

[OVER]

FORMATION RECORD—Continued

16—43094-4

Exhibit 2-w

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 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 R. 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	28#	8rd	National	1913'	Pacific	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	" "		

FOLD MARK

PLUGS AND ADAPTERS

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

FRACTURING RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot or 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, °Bé ____ °API 35.4°

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

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

FORMATION RECORD

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

(OVER)

16—43094-5

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

Exhibit 2-s

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 7 Sec. 13 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 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 April 7, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1940'	Regular	1941'			Water String
7"	23#	8rd	Used	2081'	Guide	2084'			Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2119 feet, and from ____ feet to ____ feet

DATES

April 7, 1959 Put to producing April 4, 1959

The production for the first 24 hours was 296 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °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 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 EACH DRILLER'S LOG, ...

FOLD | MARK

(OVER)

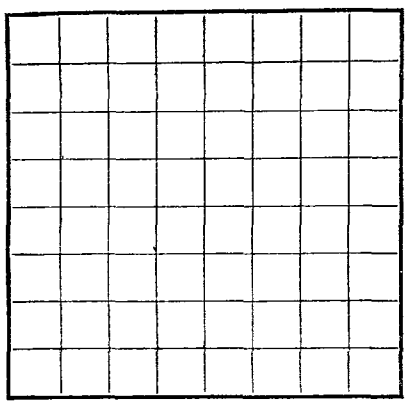
FORMATION RECORD—Continued

Exhibit 2-t

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. [N.] of N Line and 1977 ft. [E.] 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	434'	Regular	435'			Salt String
8 5/8"	20#	8rd	Used	1929'	Baker	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 3/4"	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, 1959

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

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

AT THE [illegible] OF COMPLETE DRILLER'S

FOLD | MARK

[OVER]

FORMATION RECORD—Continued

16—43094-4

Exhibit 2-u

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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 R. J. Heard
Date August 5, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	391'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1831'	Pecora				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 ____

SHOOTING RECORD

STIMULATION

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials Used			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 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 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, AND ALL LOGS, STATE WHETHER THESE ARE SAMPLES

FOLD | MARK

[OVER]

16—43094-4

Exhibit 2-p

Form approved.
Budget Bureau No. 42-R355.4.

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

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. {W.} of E Line of Section 14 Elevation 3717'
(Derrick floor relative to sea level)

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

Signed

Date February 8, 1960 Title 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, 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 From—	Perforated To—	Purpose
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 & 23#	8rd	Used	1873'	Pozmix	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	" "		

MARK

FOLD

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.	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, ~~Bé~~. °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. C. 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

[OVER]

16—43094-5

FORMATION RECORD—Continued

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

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

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.

Exhibit 2-q

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 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. [S.] of N Line and 660 ft. [W.] of E Line of Section 14 Elevation 3723'
(Derrick floor relative to sea level)

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

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

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

Commenced drilling Aug. 3, 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 1846' No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Spang	380'	Regular	380'			Surf. String
8 5/8"	28#	8rd	Spang	1880'	Regular	1889'			Prod. 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"	380'	None	Obtained formation shut-off		
8 5/8"	1883'	None	Pump & Plug	Heavy	50 sacks Aquagel
7"	2061'	150	Pump & Plug		

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
		Materials				
		20% HCL	500 gals.)			
		Crude Oil	36,960 gals.)	8-27-58	2061-2084'	
		Ottawa Sand	51,000#)			

STIMULATION treated

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

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	Lime

AT THE END OF COMPLETE DRILLER'S LOG, ADD ADDITIONAL SHEETS WHERE NECESSARY.

(OVER)

16—43094-4

FORMATION RECORD—Continued

Exhibit 2-r

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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'
(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 February 18, 1959 Title District Superintendent

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

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

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2056' to 2076' No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 345' to 352' No. 3, from ____ to ____

No. 2, from 1828' to 1849' No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	383	Regular	383'			Salt String
8 5/8"	28#	8rd	Used	1878	Pacific	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 ____

SHOOTING RECORD

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

AT THE END OF COMPLETE DRILLER'S LOG

16—43094-4

Exhibit 2-m

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 21 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 660 ft. [XXX S.] of N Line and 660 ft. [E. 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, 19 59 Finished drilling October 7, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	410'	Regular	417'			Salt String
7"	20 & 23#	8rd	Used	1806'	Texas Pattern	1731'			Water String
5 1/2"	14#	8rd	New & 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')			

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

STIMULATION XXXXXXG RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		XXXXX 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 0 feet to 2022 feet, and from feet to feet

DATES

November 3, 19 59 Put to producing October 25, 19 59

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 , 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 TOP OF COMPLETE DRILL... LOG, AS ... CLUDING TOPS, STATE WHETHER FROM ... OR SAMPLES.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

FEB 1954

Exhibit 2-n

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 From—	Perforated To—	Purpose
10-3/4"	32.75#	8rd	Used	382'	Regular				Surf. String
8-5/8"	28#	8rd	Used	1839'	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 SHOOTING 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 0 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, °B6 °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

(OVER)

16—43094-4

THE END OF COMPLETE DRILLER AND GEOLOGIC TOPS STATE

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1890	1916	26	Ashy and red shale
1916	1946	30	Ashy
1946	2005	59	Ashy and shale
2005	2025	20	Ashy and sandy lime
2025	2046	21	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.

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Exhibit 2-o

Form approved.
Budget Bureau No. 42-R355.4.

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 T 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N.} of S Line and 990 ft. {E.} 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, 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 From—	Perforated To—	Purpose
10-3/4"	32.75#	8rd	Used	415'	Baker	415'			Surf. String
8-5/8"	28#	8rd	Used	2002'	Baker	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	" "	"	

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive used / Material	Quantity	Date	Depth shot / 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, 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~~ 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

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

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-g

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 20 Sec. 14 T16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [XXXX N.] of N. Line and 1980 ft. [E. XXXX W.] 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 R. J. Heard
Date November 2, 1959 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 From—	Perforated To—	Purpose
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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials [XXXX]			treated	
		20% HCl	500 gals.	10-1-59	2023-2052'	
		Crude Oil	83,160 gals.	"	"	"
		Ottawa Sand	217,600 lbs.	"	"	"

TOOLS USED

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

DATES

November 2, 1959 Put to producing October 12, 1959

The production for the first 24 hours was 64 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. [XXXX] °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

AT THE END OF FORMATION DRILLER'S LOG, ADD CORE AND TOPS, STATE WHETHER FROM EL OR SAMPLES.

[OVER]

16—48094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-h

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

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. {N.} of N Line and 990 ft. {E.} 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, 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 From—	Perforated To—	Purpose
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	Explosive or Material used	Quantity	Date	Depth shot	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, ~~Bé~~ °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]

16—43094-5

FORMATION RECORD—Continued

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

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

HISTORY OF OIL OR GAS WELL

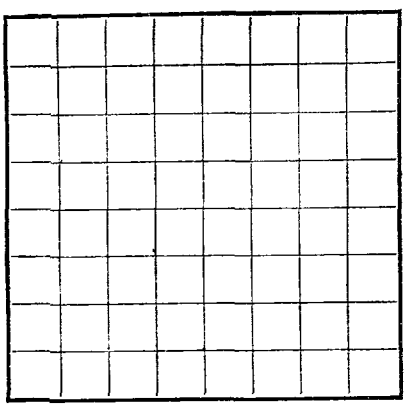
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-i

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. {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.

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

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

Commenced drilling October 22, 19 58 Finished drilling November 23, 19 58

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	311'	Baffers	343'			Surf. String
8 5/8"	28#	8rd	Used	1850'	Baffers	1849'			Water String
7"	23#	8rd	Used	2052'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

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 0 feet to 2084 feet, and from ____ feet to ____ feet

DATES

December 1, 19 58 Put to producing December 1, 19 58

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 TIME OF COMPLETE DRILLER'S LOG, [illegible]

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Exhibit 2-j

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Las Cruces
Serial Number 061638
Lease or Permit to Prospect Brewer

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

Lessor or Tract Brewer Field Undesignated State New Mexico

Well No. 8 Sec. 11 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 660 ft. [N.] of S Line and 660 ft. [W.] of E Line of Section 11 Elevation 3728'
(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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Regular	400'			Salt String
8 5/8"	24#	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 SHOOTING RECORD

Size	Shell used	Explosive used / Materials	Quantity	Date	Depth shot / Treated	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, °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

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

FOLD | MARK

THE END OF COMPLETE DRILLER'S ADD'L FORMATION

(OVER)

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2040	2062	13	Sandy Lime
2062	2083	21	Shale
2083	2096	3	Sandy

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

Exhibit 2-k

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 Undesignated State New Mexico
Well No. 12 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S Line and 659 ft. {E./W.} 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 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Regular	402'			Surface String
8 5/8"	28#	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 3/4"	402	None	Obtained formation shut-off		
8 5/8"	1951	None	Pump & Plug	Heavy	35 sacks Aquagel
7"	2105	200	" "		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials Treated				
		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, °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

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

(OVER)

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

Exhibit 2-1

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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, New Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [N.] of S Line and 1977 ft. [E.] of W Line of Section 12 Elevation 3733'
(Derrick floor relative to sea level)

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

Signed
Date August 12, 1959 Title R. J. Heard District Superintendent

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

Commenced drilling July 6, 19 59 Finished drilling August 4, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	407'	Baker				Surface String
8 5/8"	28#	8rd	Used	1936'	Patton				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 SHOOTING RECORD

Size	Shell used	Explosive used / Materials	Quantity	Date	Depth shot / 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, 19 59 Put to producing August 11, 19 59

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, °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

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

FORMATION RECORD

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

(OVER)

16—43094-4

FOLD MARK

AT THE END OF COMPLETE DRILLE
LOG AND GEOLOGICAL STATE

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2000	2007	7	Anhy & red beds
2007	2015	8	Anhy
2015	2022	7	Lime
2022	2028	6	Anhy & sand
2028	2054	26	Anhy
2054	2060	6	Shaly lime
2060	2085	25	Sand
2085	2090	5	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.

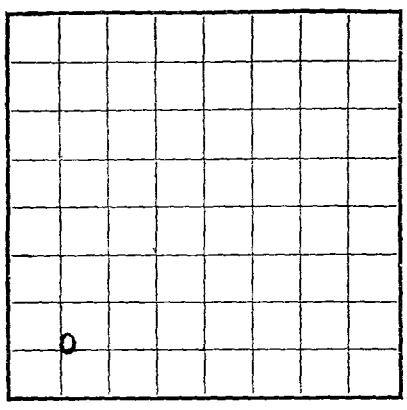
16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

Exhibit 2-d

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 R. J. Heard
Date October 20, 1958 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Ideal	408'	Regular	408'			Salt String
8 5/8"	24#	8rd	Ideal	1857'	Regular	1792			Water String
7"	23#	8rd	Mixed	2058'	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"	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 ~~SHOOTING~~ 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 0 feet to 2710 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	2284	26	Lime & anhy
2284	2335	51	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 THE DRILLER'S LOG, ATTACH ALL LOGS RUN, STATEMENTS, AND PLATS REQUIRED BY THE STATE OR FEDERAL LAWS OR REGULATIONS.

FOLD | MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2521	2535	14	Anhy & red sandy shale
2535	2550	15	Lime & shale
2550	2572	22	Lime, shale & sand
2572	2580	8	Lime & sand
2580	2621	41	Lime
2621	2618	-3	Sd
2618	2710	92	Lime

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

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.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

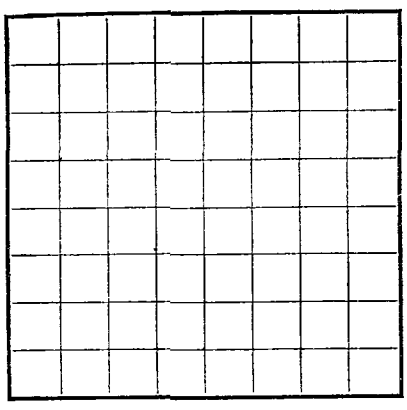
UNITED STATES

Form 9-330

Exhibit 2-e

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. {N./S.} of N Line and 1980 ft. {E./W.} of E Line of Section 13 Elevation 3741'
(Derrick floor relative to sea level)

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

Signed

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

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

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

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2114' to 2119' No. 4, from to

No. 2, from 2124' to 2130' No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 345' to 355' No. 3, from 1875' to 1885'

No. 2, from 390' to 394' No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	415'	Regular	415'			Surf. String
8 5/8"	24#	8rd	Used	1976'	Pattern				Water String
7"	20 & 23#	8rd	Used	2123'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

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

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

STIMULATION RECORD

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

TOOLS USED

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

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

DATES

August 7, 1959 Put to producing August 6, 1959

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

J. G. Crow, Driller E. J. Parish, Driller

G. H. Harris, Driller M. F. Willis, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	15	10	Caliche
15	270	255	Sand & shale
270	325	55	Anhy & shale
325	335	10	Gravel
335	400	65	Anhy
400	480	80	Anhy & shale
480	490	10	Anhy
490	927	437	Salt
927	1010	83	Anhy & shale
1010	1110	100	Anhy
1110	1155	45	Red shale
1155	1195	40	Anhy
1195	1255	60	Anhy & shale
1255	1670	415	Anhy
1670	1705	35	Anhy & shale
1705	1875	170	Anhy
1875	1895	20	Red sand
1895	1955	60	Anhy
1955	1959	4	Salt
1959	1968	9	Anhy
1968	1976	8	Sandy lime
1976	2028	52	Anhy & shale
2028	2039	11	Anhy
2039	2095	56	Lime
			Anhy & shale

(OVER)

FORMATION RECORD—Continued

16—43094-4

FOLD MARK

AT THE END OF COMPLETE DRILLER'S LOG, ALL CUTTINGS STATE

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2095	2114	19	Anhy
2114	2130	16	Sand
2130	2187	57	Anhy & sand
2187	2340	153	Anhy
2340	2365	25	Anhy &shale
2365	2375	10	Anhy & Lime
2375	2400	25	Anhy
2400	2445	45	Lime
2445	2490	45	Anhy
2490	2530	40	Anhy & shale
2530	2543	13	Anhy & lime
2543	2562	19	Lime
2562	2588	26	Anhy & lime
2588	2599	11	Sand & lime
2599	2605	6	Lime
2605	2618	13	Sand & shale
2618	2637	19	White lime

RECEIVED
FEB 7 1963
OIL & GAS DIVISION
OKLAHOMA CITY, OKLA.

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

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.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

Exhibit 2-f

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 Undesignated State New Mexico
Well No. 19 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N./S.} of S Line and 1980 ft. {E./W.} 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 R. J. Heard
Date September 15, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Salt string
8 5/8"	28#	8rd	Used	1928'	Pattern	1929'			Water String
7"	23#	8rd	Used	2075'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			treated	
		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, °B6. 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

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

FORMATION RECORD

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

AT THE END OF COMPLETE DRILLER'S LOG, ALL THE KNOWN TOPS, STATE WHETHER FROM E. LOG OR SAMPLES

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1860	1932	72	Shly
1932	1929	-3	Sh
1929	2070	141	Shly
2070	2084	14	Sandy lime
2084	2106	22	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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Exhibit 2-a

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

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 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	419'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Baker	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 shot or 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 0 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.

FOLD | MARK

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-b

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 27 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 990 ft. {N.} of 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 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular Texas Pattern	397'			Salt String
8 5/8"	28#	8rd	Used	1810'	Regular Texas Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	Regular Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

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

FOLD MARK

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	Explosive used / Quantity	Date	Depth shot / Depth treated	Depth cleaned out
		Material			
		20% HCl 500 gals.	2-20-60	2002-2036'	
		Crude Oil 79,548 gals.	"	" "	
		Ottawa Sand 221,800 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 129 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment.

Gravity, ~~BE~~ API ~~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)

16—43094-5

FORMTION RECORD—Continued

FROM—	TO—	TQL FEET	FORMATION

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

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.

Exhibit 2-c

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 R. J. Heard District Superintendent

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

Commenced drilling November 24, 19 59 Finished drilling December 17, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	364'	Regular	367'			Surf. 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
10 3/4"	367'	None	Obtained formation shut-off		
8 5/8"	1818'	None	Pump & Plug	Heavy	15 sacks Gel
7"	2029'	150	" "	"	

MARK

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

STIMULATION SHOOTING RECORD

Size	Shell used	Explosive or Material used	Quantity	Date	Depth shot or 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, °Bé. °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. T. Haney, Driller J. E. Wilcox, Driller

G. E. Harris, Driller J. G. Crow, Driller

FORMATION RECORD

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

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-v

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S. Line and 1980 ft. {E./W.} of W. Line of Section 14 Elevation 3711' (Derrick floor relative to sea level)

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

Signed R. J. Heard
Date September 8, 1959 Title District Superintendent

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

Commenced drilling August 6, 19 59 Finished drilling August 29, 19 59

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	367'	Regular	374'			Wat. String
	7"	20 & 23#	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	" "		

MARK

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 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 665 barrels of fluid of which 100% was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé ____ °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 TOP OF COMPLETE DRILLER'S LOG, AND ON ALL SUBSEQUENT SHEETS, WRITE THE NAME OF THE STATE

FOLD

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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—48094-2 U. S. GOVERNMENT PRINTING OFFICE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Exhibit 2-w

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 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

Date June 4, 1959 Title W. 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt String
8	5/8"	28#	8rd	National	1913'	Baker	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	" "		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

FRACTURING 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, 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, °Bé °API 35.4°

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

E. W. Farr, Driller Ben Porter, Driller

E. T. Haney, Driller , Driller

FORMATION RECORD

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

(OVER)

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Exhibit 2-s

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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./S.} of N Line and 660 ft. {E./W.} 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 April 7, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Surf. String
8 5/8"	28#	8rd	Used	1940'	Regular	1941'			Water String
7"	23#	8rd	Used	2081'	Guide	2084'			Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2119 feet, and from ____ feet to ____ feet

DATES

April 7, 1959 Put to producing April 4, 1959

The production for the first 24 hours was 296 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °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 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

FOLD | MARK

ATTACH TO FORM OF COMPLETE DRILLER'S ... STATE ...

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

Exhibit 2-t

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. [N.] of N Line and 1977 ft. [E.] 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, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	434'	Regular	435'			Soil & Surface String
8 5/8"	28#	8rd	Used	1929'	Pelican	1929'			Water String
7"	23#	8rd	Used	2065'	Guide				Prods. 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, 1959 Put to producing May 8, 1959

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

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

AT THE END OF COMPLETE DRILLER'S LOG, ADD STATE

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Central 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'
{S.} {W.} (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 August 5, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	400'			Surf. String
8 5/8"	28#	8rd	Used	1831'	Baker				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	" "		

MARK

FOLD

PLUGS AND ADAPTERS

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

SHOOTING RECORD

STIMULATION RECORD

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

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, ADD GEOLOGIC TOPS. STATE WHETHER CORE OR SAMPLES.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of every 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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Form 9-330

Exhibit 2-p

Form approved.
Budget Bureau No. 42-R355.4.

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. [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 R. J. Heard

Date February 8, 1960 Title 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	381'	Regular	381'			Surface String
8	5/8"	24#	8rd	Used	923'	Baker	923'			Water String
	7"	20 & 23#	8rd	Used	1873'	Baker	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	" "		

MARK

FOLD

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
		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, °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	SLK
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.

(OVER)

16—43094-5

FORMATION RECORD—Continued

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

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

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.

Form 9-330

Exhibit 2-q

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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

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

Commenced drilling Aug. 3, 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. 2, from 1903' to 1909' (g)
No. 3, from 2067' to 2080'
No. 4, from ____ to ____
No. 5, from ____ to ____
No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 318' to 325'
No. 2, from 1835' to 1848'
No. 3, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	used	313'	regular	380'			Surf. String
8 5/8"	28#	8rd	used	1880'	Guide	1883'			Inter. 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"	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 ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		STIMULATION XXXXXXX				
		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 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

R. 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	Salt
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	Lime

(over)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

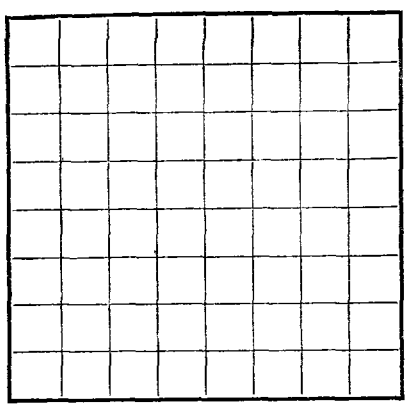
UNITED STATES

Exhibit 2-r

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. {N.} of N Line and 1980 ft. {E.} 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 R. J. Heard

Date February 18, 1959 Title District Superintendent

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

Commenced drilling January 13, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	383	Regular	357'			Surface String
8 5/8"	28#	8rd	Used	1875	Packard	1880'			Water String
7"	23#	8rd	Used	2049	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot or treated	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, °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

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	SLK
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

FROM—	TO—	TOTAL FEET	FORMATION

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.

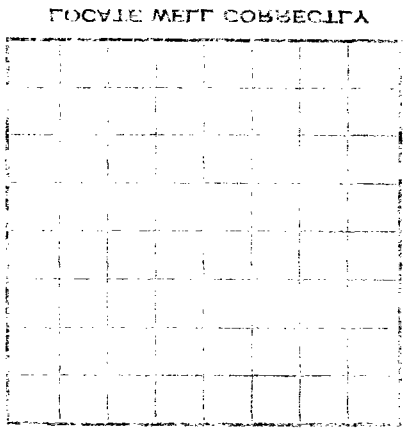
LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LOCATE WELL CORRECTLY



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

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-m

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. 21 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N.} of N Line and 660 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 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, 19 59 Finished drilling October 7, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	415'	Guide				Surf. String
7"	20 & 23#	8rd	Used	1806'	Pacific	1751'			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 XXXXXXXX SHOOTING 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 0 feet to 2022 feet, and from feet to feet

DATES

November 3, 19 59 Put to producing October 25, 19 59
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 , 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 DRI
LOG, ATTACH A COPY TO TOPS,
WHICH IS FILED ON EACH

FORMATION RECORD—Continued (OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Company ____ Address ____

Lessor or Tract ____ Field ____ State ____

Well No. ____ Sec. ____ T. ____ R. ____ Meridian ____ County ____

Location ____ ft. {N. / S.} of ____ line and ____ ft. {E. / W.} of ____ line of ____ Elevation ____

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 ____

Title ____

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

Commenced drilling ____ 19__ Finished drilling ____ 19__

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ____ to ____ No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____

No. 2, from ____ to ____

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Size shell used	Explosive or chemical used	Quantity	Date	Depth shot or treated	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 ____ feet, and from ____ feet to ____ feet

DATES

The production for the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% was water; and ____% was 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 ____

FORMATION RECORD

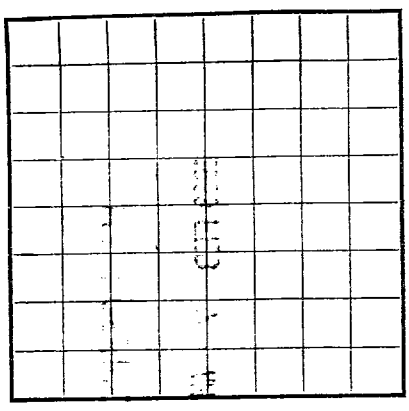
FROM—	TO—	TOTAL FEET	FORMATION

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-n

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	382'	Baker				Surf. String
8 5/8"	28#	8rd	Used	1839'	Pattern				Inter. String
7"	20 & 23#	8rd	Used	2022'	Pattern				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATION RECORD

Size	Shell used	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 0 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, °BE ____ °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	[illegible]	SLM
1839	1890	51	Anhy

[OVER]

16—43094-4

FOLD | MARK

AT THE END OF COMPLETE DRILLER'S

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1890	1916	26	Ashy and red shale
1916	1946	30	Ashy
1946	2005	59	Ashy and shale
2005	2025	20	Ashy and sandy lime
2025	2046	21	Sand

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1963 FEB 7 AM 8

LOCATE WELL CORRECTLY

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.

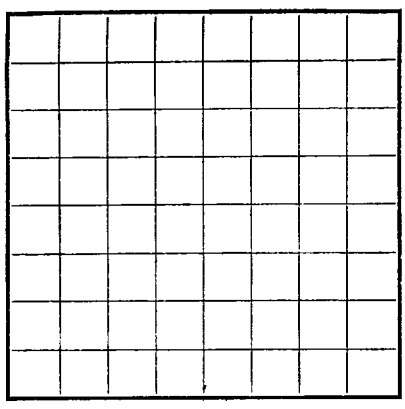
16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 S Line and 990 ft. {E/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 R. J. Heard
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 23, 19 59 Finished drilling December 19, 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 From—	Perforated To—	Purpose
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 ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used / Materials used	Quantity	Date	Depth shot / 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, 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~~ 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

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

[OVER]

FOLD

MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Form 9-330

Exhibit 2-j

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. {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 J. 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Regular	400'			Salt String
8 5/8"	28#	8rd	Used	1867'	Regular	1870'			Water String
7"	23#	8rd	Used	2056'	Guide				Prods. 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 ~~EXPERIMENTS~~ RECORD

Size	Shell used	~~Explosive~~ Material used	Quantity	Date	Depth ~~shot~~ Treated	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.

If gas well, cu. ft. per 24 hours ____ Gravity, ~~Bé~~ °API 36.0°

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, AND ALL AVAILABLE STATE WHETHER FROM DRILLER'S, ETC.

FOLD | MARK

[OVER]

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2060	2062	13	Sandy Lime
2062	2083	21	Shale
2083	2086	3	Kelly

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—48094-2 U. S. GOVERNMENT PRINTING OFFICE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Exhibit 2-k

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 12 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S Line and 659 ft. {E./W.} 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 E. 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Regular	402'			Salt string
8 5/8"	28#	8rd	Used	1950'	Reliance	1951'			Water String
7"	23 & 24#	8rd & 10V	Used	2102'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Material			Treated	
		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, °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

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

AT THE ... DRILLER'S LOG, ... STATE ...

FOLD | MARK

(OVER)

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LOCATE WELL CORRECTLY

Exhibit 2-1

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N.} of S Line and 1977 ft. {E.} of W Line of Section 12 Elevation 3733'
(Derrick floor relative to sea level)

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

Signed R. J. Heard
Date August 12, 1959 Title District Superintendent

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

Commenced drilling July 6, 19 59 Finished drilling August 4, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	416'	Regular				Surface String
8 5/8"	28#	8rd	Used	1936'	Reform				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 ____

SHOOTING RECORD

STIMULATION

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	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, 19 59 Put to producing August 11, 19 59

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, °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

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

FORMATION RECORD

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

(OVER)

16—43094-4

FOLD MARK

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2000	2007	7	Anhy & red beds
2007	2015	8	Anhy
2015	2022	7	Lime
2022	2028	6	Anhy & sand
2028	2048	20	Anhy
2048	2054	6	Sandy lime
2054	2079	25	Sand
2079	2090	5	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.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

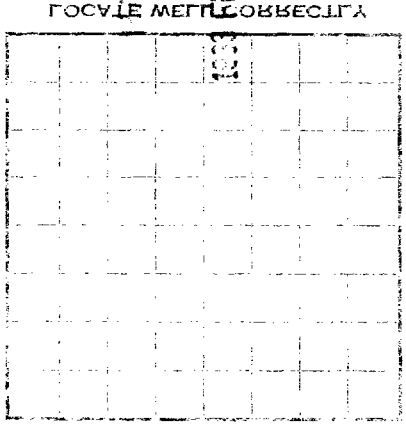
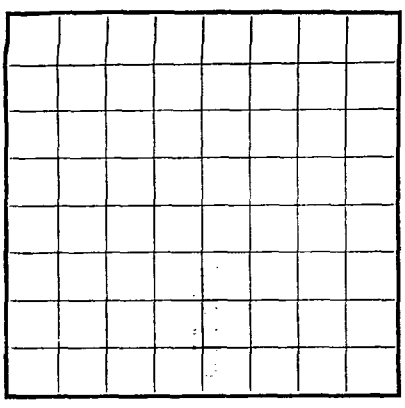


Exhibit 2-g

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 20 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [S.] of N Line and 1980 ft. [E.] 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 L. 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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	395'	Regular	400'			Salt String
8	5/8"	28#	8rd	Used	1836'	Baker	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')			

FOLD MARK

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION ~~XXXXXXXX~~ RECORD

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

TOOLS USED

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

DATES

November 2, 1959 Put to producing October 12, 1959

The production for the first 24 hours was 64 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity ~~°Bé.~~ °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. Parr, 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	Slit
1836	1845	9	Lime
1845	2019	174	Anhy
2019	2023	4	Sandy lime
2023	2052	29	Sand

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

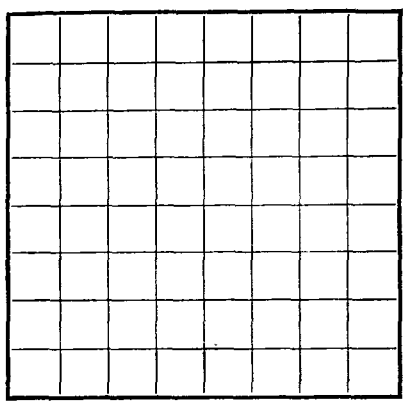
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-h

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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. {S.} of N Line and 990 ft. {W.} 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	441'	Regular	441'			Salt String
8 5/8"	28#	8rd	Used	1941'	Texas Pattern	1941'			Water String
7"	23#	8rd	Used	2112'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot	Depth treated	Depth cleaned out
		20% HCl	500 gals.	11-22-59	2115-2133'		
		Crude Oil	58,842 gals.	"	"	"	
		Ottawa Sand	24,000 lbs.	"	"	"	

TOOLS USED

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

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

DATES

November 27, 1959 Put to producing November 27, 1959

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

16—43094-5

FOLD MARK

FORMATION RECORD—Continued

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

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

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.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-i

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. [N.] 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
Date December 1, 1958 Title District 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 1631' 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	341'	Texas Pattern	343'			Surf. String
8 5/8"	28#	8rd	Used	1850'	Texas Pattern	1849'			Water String
7"	23#	8rd	Used	2052'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

MARK

FOLD

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 for treating				
		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

AT THE END OF COMPLETE DRILLER'S

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

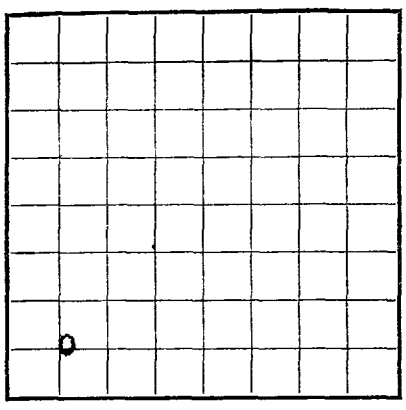
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-d

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. 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 3723'
(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 October 20, 1958 Title 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 From—	Perforated To—	Purpose
10 3/4"	32#	8rd	Nat'l	408'	Regular				Surface String
8 5/8"	24#	8rd	Used	1857'	Regular				Water String
7"	23#	8rd	Used	2058'	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"	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 SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Water Frac			treated	
		20% HCL	500 gals.	10-12-58	2060-2080'	
		Oquela 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, 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	2284	26	Lime & anhy
2284	2335	51	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

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2521	2535	14	Shly & red sandy shale
2535	2550	15	Lime & shale
2550	2572	22	Lime, shale & sand
2572	2580	8	Lime & sand
2580	2621	41	Lime
2621	2618	3	Shale
2618	2710	92	Lime

HISTORY OF OIL OR GAS WELL

16—43094-2 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, 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.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-e

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. 14 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 1980 ft. {N./S.} of N Line and 1980 ft. {E./W.} 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 B. J. Heard

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	415'	Regular	415'			Salt String
8 5/8"	28#	8rd	Used	1976'	Pacific				Water String
7"	20 & 23#	8rd	New 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 shot	Depth treated	Depth cleaned out
		20% HCl	500 gals.	8-1-59	2124-2150'		
		Crude Oil	52,710 gals.	"	"	"	
		Ottawa Sand	180,000 lbs.	"	"	"	

TOOLS USED

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

Cable tools were used from 0 feet to 2637 feet, and from ____ feet to ____ feet

DATES

August 7, 1959 Put to producing August 6, 1959

The production for the first 24 hours was 204 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, ~~Bé~~ °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. C. Crow, Driller S. 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
460	480	80	Anhy & shale
480	490	10	Anhy
490	927	437	Salt
927	1010	83	Anhy & shale
1010	1110	100	Anhy
1110	1155	45	Red shale
1155	1195	40	Anhy
1195	1255	60	Anhy & shale
1255	1670	415	Anhy
1670	1705	35	Anhy & shale
1705	1875	170	Anhy
1875	1895	20	Red sand
1895	1955	60	Anhy
1955	1950	-5	Salt
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Lime
2039	2095	56	Anhy & shale

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

FOLD | MARK

(OVER)

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2005	2014	19	Silty
2014	2030	16	Shale
2030	2087	57	Silty & sand
2087	2340	153	Silty
2340	2365	25	Silty &shale
2365	2375	10	Silty & Lime
2375	2400	25	Silty
2400	2445	45	Shale
2445	2490	45	Silty
2490	2530	40	Silty & shale
2530	2543	13	Silty & lime
2543	2562	19	Lime
2562	2588	26	Silty & lime
2588	2599	11	Sand & lime
2599	2605	6	Lime
2605	2618	13	Sand & shale
2618	2637	19	White lime

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Exhibit 2-f

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 19 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N./S.} of S Line and 1980 ft. {E./W.} 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 R. J. Heard
Date September 15, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Baker				Surface String
8 5/8"	28#	8rd	Used	1928'	Pattern	1929'			Water String
7"	23#	8rd	Used	2075'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATIONS SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		20% HCl	500 gals.	9-7-59	2077-2106' treated	
		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, °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

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

FORMATION RECORD

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

(OVER)

16—48094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1860	1932	72	Alluv
1932	1929	3	Silt
1929	2070	141	Alluv
2070	2084	14	Sandy lime
2084	2106	22	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.

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

Form 9-330

Exhibit 2-a

Form approved.
Budget Bureau No. 42-R355.4.

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

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 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, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	419'	Regular	420'			Surf. String
8 5/8"	28#	8rd	Used	1917'	Pacific	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	" "		

MARK

FOLD

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.	11-12-59	2122-2147'	
		Crude Oil	80,556 gals.	"	"	
		Ottawa Sand	240,000 lbs.	"	"	

TOOLS USED

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

DATES

December 9, 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

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-b

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. Land Office Las Cruces
Serial Number 061638
Lease or Permit to Prospect Brewer

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

Lessor or Tract Brewer Field High Lonesome State New Mexico

Well No. 27 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 990 ft. {N.} of 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

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	397'			Salt String
8 5/8"	28#	8rd	Used	1609'	Texas Pattern	1609'			Water String
7"	23#	8rd	Used	1999'	Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	397'	None	Obtained formation shut-off		
8 5/8"	1609'	None	Pump & Plug	Heavy	15 sacks Aquagel
7"	2002'	150 + 50	" "	"	

MARK

FOLD

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.	2-20-60	2002-2036'	
		Crude Oil	79,548 gals.	"	" "	
		Ottawa Sand	221,800 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 123 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

E. T. Haney, Driller L. P. Jennings, Driller

C. 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

(OVER)

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-c

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 R. J. Heard District Superintendent

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

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

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2039' to 2050' No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 1795' to 1816' No. 3, from ____ to ____

No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

	Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	364'	Regular	367'			Salt String
8	5/8"	28#	8rd	Used	1818'	Texas Pattern	1818'			Water String
	7"	23#	8rd	Used	2027'	Guide				Prods. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot	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, °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. T. Haney, Driller J. E. Wilcox, Driller

G. H. Harris, Driller J. G. Crow, Driller

FORMATION RECORD

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

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

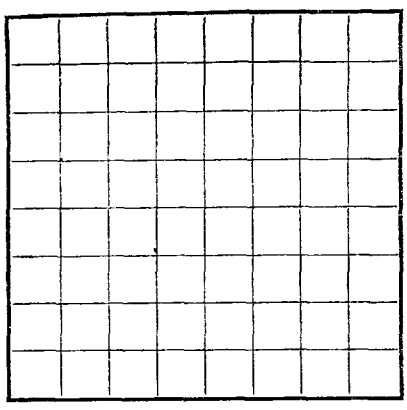
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-v

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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

Lessor or Tract Brewer Field High Lonesome State New Mexico

Well No. 18 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 1980 ft. {N./S.} of S Line and 1980 ft. {E./W.} of W Line of Section 14 Elevation 3711'
(Derrick floor relative to sea level)

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

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, 19 59 Finished drilling August 29, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	367'	Regular	374'			Surf. String
7"	20 & 23#	8rd	Used	1840'	Reform	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

SHOOTING RECORD

STIMULATION

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 0 feet to 2047 feet, and from feet to feet

DATES

September 8, 19 Put to producing September 1, 19 59

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, °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

E. W. Farr, Driller Ben Porter, Driller

E. T. Haney, Driller , Driller

FORMATION RECORD

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

AT THE TIME OF THE DRILLER'S
LOCATED IN THE STATE
WHERE THE SAMPLES

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

Exhibit 2-w

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 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
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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	390'	Regular	390'			Salt Casing
8	5/8"	28#	8rd	National	1913'	Baker	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 ~~SHOOTING~~ RECORD

Size	Shell used	Material ~~Explosive~~ used	Quantity	Date	Depth ~~Shot~~ Fractured	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, °Bé ~~API~~ °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. Haney, Driller , Driller

FORMATION RECORD

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

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

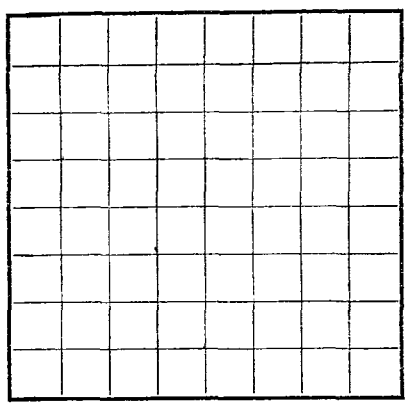
HISTORY OF OIL OR GAS WELL

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.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 7 Sec. 13 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 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 April 7, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Surf. String
8 5/8"	28#	8rd	Used	1940'	Regular	1941'			Inter. String
7"	23#	8rd	Used	2081'	Guide	2084'			Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2119 feet, and from ____ feet to ____ feet

DATES

April 7, 1959 Put to producing April 4, 1959

The production for the first 24 hours was 296 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °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 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

FOLD MARK

AT THE END OF COMPLETE DRILLER'S

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

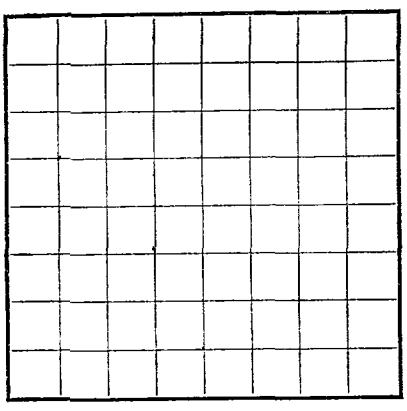
LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. [N.] of N Line and 1977 ft. [W.] 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	434'	Guide	435'			Salt String
8 5/8"	24#	8rd	Used	1929'	Pelican	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 3/4"	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 1848 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °BE ° 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

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 CASING THE DRILLER'S LOG

FROM— TO— TOTAL FEET FORMATION

(OVER)

CONSERVATION RECORD—Continued

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Exhibit 2-u

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	375'	Regular	400'			Surf. String
8 5/8"	28#	8rd	Used	1831'	Texas 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	" "		

MARK

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

STIMULATION

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Acid 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 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 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 DRILL...
LOG, ADD CUMULATIVE TOTAL, STATE...
WHERE...

FOLD

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

10—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Exhibit 2-p

Form approved.
Budget Bureau No. 42-R355.4.

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

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. {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 R. J. Heard

Date February 8, 1960 Title 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 From—	Perforated To—	Purpose
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 & 23#	8rd	Used	1873'	Reamed	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	" "		

MARK

FOLD

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
		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, °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. C. 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	1825	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

FORMATION RECORD—Continued

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

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

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.

Exhibit 2-q

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 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. [N.] of N Line and 660 ft. [W.] of E Line of Section 14 Elevation 3723'
(Derrick floor relative to sea level)

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

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

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

Commenced drilling Aug. 3, 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. 2, from 1903' to 1909' (g)
No. 3, from 2067' to 2080'
No. 4, from ____ to ____
No. 5, from ____ to ____
No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 318' to 325'
No. 2, from 1835' to 1848'
No. 3, 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 From—	Perforated To—	Purpose
10 3/4"	40.75#	8rd	Spang	380'	Regular	380'			Cart String
8 5/8"	24#	8rd	Spang	1880'	Regular	1880'			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"	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 ____

SHOOTING RECORD

STIMULATION

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

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	Salt
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	Lime

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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 "shot or pulled" 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—43004-2 U. S. GOVERNMENT PRINTING OFFICE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Exhibit 2-r

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 S.] of N Line and 1980 ft. [XXX W.] 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 R. J. Heard

Date February 18, 1959 Title District Superintendent

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

Commenced drilling January 13, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	983'	Regular	385'			Salt String
8 5/8"	28#	8rd	Used	1878'	Pattern	1880'			Water String
7"	23#	8rd	Used	2049	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

STIMULATION

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials Treated				
		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, °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

D. G. Crooke, 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

AT TIME END OF COMPLETE DRILLING

LOG OF OIL AND GAS WELL

FORMATION RECORD—Continued

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

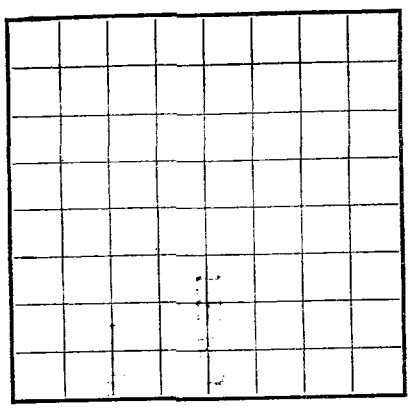
16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-m

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. {N.} of N Line and 660 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 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, 19 59 Finished drilling October 7, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	410'	Regular	415'			Salt String
7"	20 & 23#	8rd	Used	1806'	Texas Pattern	1731'			Water String
5 1/2"	14#	8rd	New & 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 ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used ~~XXXXX~~ Materials	Quantity	Date	Depth shot ~~XXX~~ 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, 19 59 Put to producing October 25, 19 59

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 , 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 DRI

FOLD MARK

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

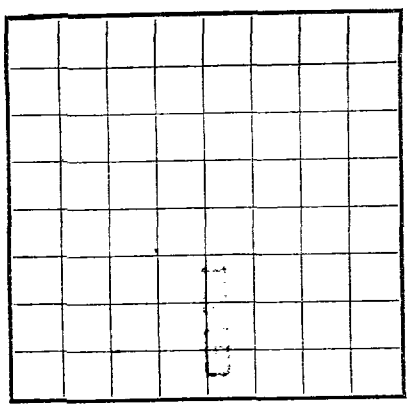
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give its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

Exhibit 2-n

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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
Date December 9, 1959 Title A. J. Heard 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	New	382'	Baker				Surf. String
8 5/8"	28#	8rd	Used	1839'	Pattern				Inter. 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 SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials used			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 0 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, °Bé 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

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

FORMATION RECORD

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

[OVER]

FORMATION RECORD—Continued

16—43094-4

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AT THE END OF COMPLETE DRILLING

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1890	1916	26	Ashy and red shale
1916	1946	30	Ashy
1946	2005	59	Ashy and shale
2005	2025	20	Ashy and sandy lime
2025	2046	21	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.

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

1938 FEB

Exhibit 2-o

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 S Line and 990 ft. {XXX 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 R. J. Heard
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 23 59 Finished drilling December 19, 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 From—	Perforated To—	Purpose
10-3/4"	32.75#	8rd	Used	415'	Baker	415'			Surf. 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 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 0 feet to 2116 feet, and from ____ feet to ____ feet

DATES

January 14, 19 60 Put to producing December 25, 19 59
The production for the first 24 hours was 568 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé ~~xxx~~ 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

R. O. Caffey, Driller J. C. 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	SLM
1929	2038	109	Anhy
2038	2096	58	Anhy and shale
2096	2103	7	Sandy lime
2103	2116	13	Sand

AT THE END OF COMPLETE DRILLER'S LOG, ADD OIL AND GAS SHOWS, WHETHER FRESH OR SALT WATER, COAL, ETC.

FOLD | MARK

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16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

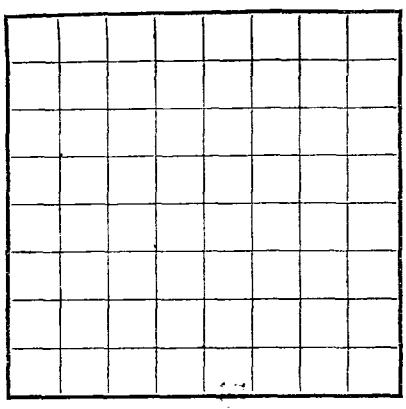
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-j

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 B. 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 From—	Perforated To—	Purpose
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 [illegible] RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials Created				
		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, [illegible] °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

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2049	2062	13	Sandy Lime
2062	2083	21	Shale
2083	2086	3	Silty

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

Exhibit 2-k

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 12 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of S Line and 659 ft. {E./W.} 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 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	400'	Baker	402'			Water String
8 5/8"	24#	8rd	Used	1950'	Baker	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	" "		

MARK | FOLD

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
		20% HCl	500 gals.	6-29-59	2105-2134'	
		Crude Oil	58,716 gals.	"	"	"
		Ottawa Sand	173,000#	"	"	"

STIMULATION — Materials Treated

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, °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

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 BACK OF THIS BOOK TO BE COMPLETED BY DRILLERS

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

Exhibit 2-1

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 Central American Oil Co. of Texas Address P. O. Box 416, Loco Hills, New Mexico
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 15 Sec. 12 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N.} of S. Line and 1977 ft. {E.} of W. Line of Section 12 Elevation 3733'
(Derrick floor relative to sea level)

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

Signed R. J. Heard

Date August 12, 1959 Title District Superintendent

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

Commenced drilling July 6, 19 59 Finished drilling August 4, 19 59

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Guide				Surf. String
8 5/8"	24#	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 ____

SHOOTING RECORD

STIMULATION

Size	Shell used	Explosive used / Materials	Quantity	Date	Depth shot / treated	Depth cleaned out
		20% HCl	500 gals.	8-5-59	2060-2090'	
		Crude Oil	64,218 gals.	"	"	
		Ottawa Sand	265,000 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, 19 59 Put to producing August 11, 19 59
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, °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

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

FORMATION RECORD

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

(over)

FORMATION RECORD—Continued

16—43094-4

FOLD MARK

AT THE END OF COMPLETE REPORT
LOG, SUBMIT TWO COPIES
WHEN

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2000	2007	7	Anhy & red beds
2007	2015	8	Anhy
2015	2022	7	Lime
2022	2028	6	Anhy & sand
2028	2054	26	Anhy
2054	2060	6	Sandy lime
2060	2085	25	Sand
2085	2090	5	Sand & anhy

HISTORY OF OIL OR GAS WELL

If 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

Exhibit 2-g

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

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. 2 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. [S.] of N Line and 1980 ft. [E.] 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 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 From—	Perforated To—	Purpose
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 / Materials treated	Quantity	Date	Depth shot	Depth cleaned out
		20% HCl	500 gals.	10-1-59	2023-2052'	
		Crude Oil	83,160 gals.	"	"	
		Ottawa Sand	217,600 lbs.	"	"	

TOOLS USED

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

DATES

November 2, 1959 Put to producing October 12, 1959

The production for the first 24 hours was 64 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity °Bé. XXXX °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. T. Parr, 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]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Exhibit 2-h

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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/S.} of N Line and 990 ft. {XXX/W.} 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 R. J. Heard

Date November 27, 1959 Title 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 From—	Perforated To—	Purpose
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 XXXXXXXX SHOOTING RECORD

Size	Shell used	Explosive used / Material	Quantity	Date	Depth shot	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, 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

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]

16—43094-5

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FORMATION RECORD—Continued

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

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

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.

Exhibit 2-i

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 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.

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

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

Commenced drilling October 22, 19 58 Finished drilling November 23, 19 58

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	343'	Texas Pattern	343'			Salt String
8 5/8"	28#	8rd	Used	1850'	Texas Pattern	1849'			Water String
7"	23#	8rd	Used	2052'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		20% HCL	500 gals.	11-24-58	2055-2084' treated	
		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, 19 58 Put to producing December 1, 19 58

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, A...

FORMATION RECORD—Continued

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

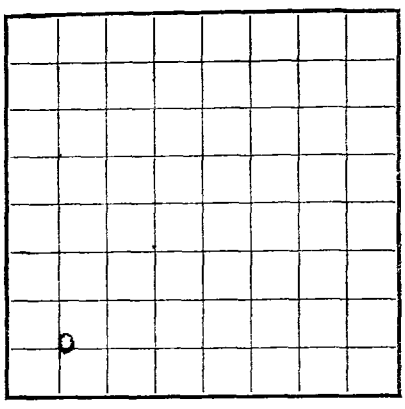
UNITED STATES

Form 9-330

Exhibit 2-d

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Unkn	408'	Regular	None			Surf. String
8 5/8"	24#	8rd	Seaw	1857'	Regular	None			Water String
7"	23#	8rd	Mixed	2058'	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"	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 SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials Used			Treated	
		20% HCL	500 gals.	10-12-58	2060-2070'	
		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 0 feet to 2710 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	2284	26	Lime & anhy
2284	2335	51	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 E... DRILLER'S LOG, AN...

FORMATION RECORD (Continued)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOAL FEET	FORMATION
2521	2535	14	Anhy & red sandy shale
2535	2550	15	Lime & shale
2550	2572	22	Lime, shale & sand
2572	2580	8	Lime & sand
2580	2621	41	Lime
2621	2618	-3	Sand
2618	2710	92	Lime

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

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Exhibit 2-e

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. 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 R. J. Heard
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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	415'	Regular	415'			Surf. String
8 5/8"	28#	8rd	Used	1976'	Larkin				Water String
7"	20 & 23#	8rd	New & 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	Explosive used / Materials used	Quantity	Date	Depth shot / Depth treated	Depth cleaned out
		20% HCl	500 gals.	8-1-59	2124-2150'	
		Crude Oil	52,710 gals.	"	" "	
		Ottawa Sand	180,000 lbs.	"	" "	

TOOLS USED

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

DATES

August 7, 1959 Put to producing August 6, 1959

The production for the first 24 hours was 284 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé ____ °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 H. 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	1950	-5	Salt
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Lime
2039	2095	56	Anhy & shale

(OVER)

FORMATION RECORD—Continued

16—43094-4

FOLD | MARK

IT THE END OF COMPLETE DRILLER'S
G AND WORK DONE, SHOWING

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2095	2114	19	Anhy
2114	2130	16	Shale
2130	2287	57	Anhy & sand
2287	2340	153	Anhy
2340	2365	25	Anhy &shale
2365	2375	10	Anhy & Lime
2375	2400	25	Anhy
2400	2445	45	Lime
2445	2490	45	Anhy
2490	2530	40	Anhy & shale
2530	2543	13	Anhy & lime
2543	2562	19	Lime
2562	2588	26	Anhy & lime
2588	2599	11	Shale & lime
2599	2605	6	Lime
2605	2618	13	Shale & shale
2618	2637	19	White lime

HISTORY OF OIL OR GAS WELL

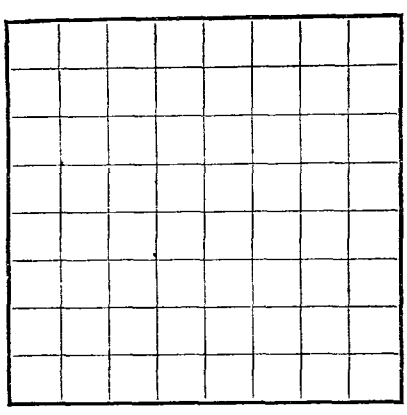
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-f

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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./S.} of S Line and 1980 ft. {E./W.} 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 B. J. Heard
Date September 15, 1959 Title District Superintendant

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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	417'	Regular	420'			Alt. String
8 5/8"	28#	8rd	Used	1926'	Patterson	1929'			Water String
7"	23#	8rd	Used	2075'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

MARK

FOLD

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
		20% HCl	500 gals.	9-7-59	2077-2106' treated	
		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, °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

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

FORMATION RECORD

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

(OVER)

FORMATION RECORD—Continued

16—43004-4

FORMATION RECORD—Continued

FROM—	—TO—	TOTAL FEET	FORMATION
1860	1932	72	Ankly
1932	1929	-3	Slk
1929	2070	141	Ankly
2070	2084	14	Sandy lime
2084	2106	22	Sand

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

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.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Form 9-330

Exhibit 2-a

Form approved.
Budget Bureau No. 42-R355.4.

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

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 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, 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	419'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1917'	Baker 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	" "		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

STIMULATION ~~SHOOTING~~ RECORD

Size	Shell used	~~Explosive~~ Materials used	Quantity	Date	Depth shot	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 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	Gyp
2142	2147	5	Sand and Anhy

AT TOP AND BOTTOM OF PRODUCING ZONES AND FOR 100' ABOVE AND BELOW. STATE WHETHER FROM EL. OR SAMPLES.

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

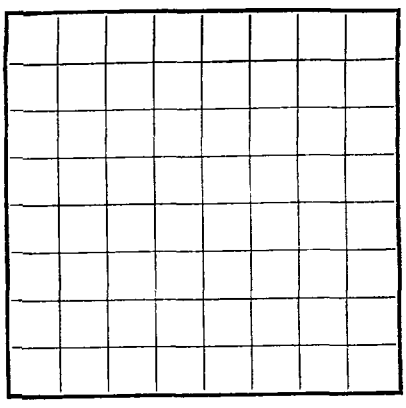
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-b

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

Lessor or Tract Brewer Field High Lonesome State New Mexico

Well No. 27 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 990 ft. {N} of S Line and 660 ft. {E} of W Line of Section 14 Elevation 3699'
(Derrick floor relative to sea level)

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

Signed 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	397'			Salt String
8 5/8"	28#	8rd	Used	1810'	Texas Pattern	1809'			Water String
7"	23#	8rd	Used	1999'	Texas Pattern				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

STIMULATION RECORD

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

TOOLS USED

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

Cable tools were used from 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 138 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% 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

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	[illegible] sand

FOLD MARK

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

16—43094-5

FORMTION RECORD—Continued

FROM—	TO—	TAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

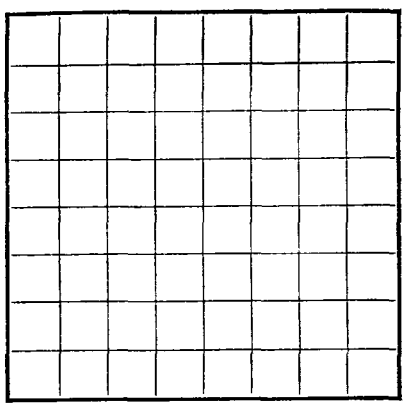
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Exhibit 2-c

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 R. J. Heard District Superintendent

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

Commenced drilling November 24, 19 59 Finished drilling December 17, 19 59

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	364'	Regular	367'			Salt String
8	5/8"	28#	8rd	Used	1819'	Larkin Pattern	1818'			Water String
	7"	23#	8rd	Used	2027'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

STIMULATION RECORD

Size	Shell used	Material used	Quantity	Date	Depth shot	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, °APL 35.0°

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

E. T. Haney, Driller J. E. Wilcox, Driller

G. H. Harris, Driller J. G. Crow, Driller

FORMATION RECORD

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

AT TOP OF DRILLER'S LOG, ADD ... TOPS, STATE WHETHER FROM EL OR SAMPLES.

(OVER)

16—43094-5

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Form approved.
Budget Bureau No. 42-R355.4.

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. {XXXX S.} of N. Line and 1980 ft. {E. XXXX} of W. Line of Section 14 Elevation 3717'
(Derrick floor relative to sea level)

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

Signed R. J. Heard
Date November 2, 1959 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular Texas Pattern	400'			Salt String
8 5/8"	20#	8rd	Used	1836'	Texas 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 XXXXXXX RECORD

Size	Shell used	Explosive used / Materials	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 0 feet to 2052 feet, and from ____ feet to ____ feet

DATES

November 2, 1959 Put to producing October 12, 1959

The production for the first 24 hours was 64 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, XXX 0API 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

FOLD | MARK

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TAL FEET	FORMATION

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

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.

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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 S.} of N Line and 990 ft. {XXX W.} 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 R. J. Heard
Date November 27, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	441'	Regular	441'			Salt String
8 5/8"	28#	8rd	Used	1941'	Texas Pattern	1941'			Water String
7"	23#	8rd	Used	2112'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

PLUGS AND ADAPTERS

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

STIMULATION ~~SHOOTING~~ RECORD

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

TOOLS USED

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

DATES

November 27, 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 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

FOLD | MARK

FORMATION RECORD—Continued

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

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

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.

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

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

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Brewer Field High Lonesome State New Mexico
Well No. 20 Sec. 14 T. 16S R. 29E Meridian N.M.P.M. County Eddy
Location 660 ft. {N./S.} of N Line and 1980 ft. {E./W.} 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	395'	Regular	400'			Salt String
8 5/8"	20#	8rd	Used	1836'	Texas 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')			

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION ~~SHOOTING~~ RECORD

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

TOOLS USED

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

DATES

November 2, 1959 Put to producing October 12, 1959

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

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

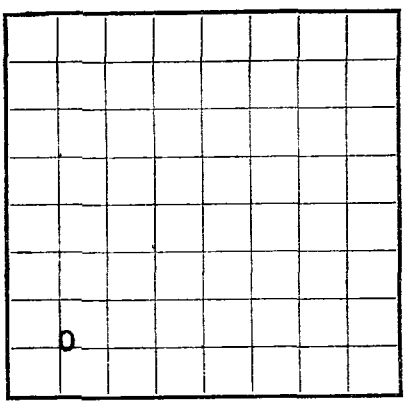
HISTORY OF OIL OR GAS WELL

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.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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 R. J. Heard
Date October 20, 1958 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.75#	8rd	Used	408'	Regular	408'			Surf. String
8 5/8"	24#	8rd	Used	1857'	Regular	1792'			Inter. String
7"	23#	8rd	Mixed	2058'	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"	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	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Materials			Depth 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 0 feet to 2710 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	2284	26	Lime & anhy
2284	2335	51	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

(OVER)

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2521	2535	14	Anhy & red sandy shale
2535	2550	15	Lime & shale
2550	2572	22	Lime, shale & sand
2572	2580	8	Lime & sand
2580	2621	41	Lime
2621	2618	3	Sand
2618	2710	92	Lime

HISTORY OF OIL OR GAS WELL

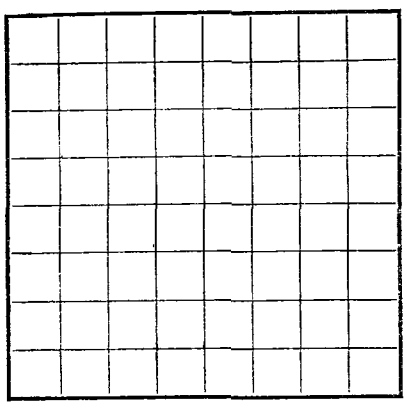
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 14 Sec. 13 T. 16S R. 29E Meridian N.M.P.M. County Eddy

Location 1980 ft. {N./S.} of N Line and 1980 ft. {E./W.} 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 R. J. Heard

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 From—	Perforated To—	Purpose
10	3/4"	32.75#	8rd	Used	415'	Regular	----			Salt String
8	5/8"	28#	8rd	Used	1976'	Pat'd Texas	----			Water String
	7"	20 & 23#	8rd	New & 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.

MARK FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

STIMULATION ~~SHOOTING~~ RECORD

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

TOOLS USED

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

Cable tools were used from 0 feet to 2637 feet, and from ____ feet to ____ feet

DATES

August 7, 1959 Put to producing August 6, 1959

The production for the first 24 hours was 284 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, ~~°Bé~~ °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 & Anhy
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	Salt
1950	1959	9	Anhy
1959	1967	8	Sandy lime
1967	1976	9	Anhy & shale
1976	2028	52	Anhy
2028	2039	11	Lime
2039	2095	56	Anhy & shale

AT THE END OF COMPLETE DRILL LOG, SHOWING TOPS, STATE WHETHER [illegible]

(OVER)

FORMATION RECORD—Continued

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2095	2114	19	Anhy
2114	2130	16	Sand
2130	2187	57	Anhy & sand
2187	2340	153	Anhy
2340	2365	25	Anhy &shale
2365	2375	10	Anhy & Lime
2375	2400	25	Anhy
2400	2445	45	Lime
2445	2490	45	Anhy
2490	2530	40	Anhy & shale
2530	2543	13	Anhy & lime
2543	2562	19	Lime
2562	2588	26	Anhy & lime
2588	2599	11	Sand & lime
2599	2605	6	Lime
2605	2618	13	Sand & shale
2618	2639	19	White lime

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

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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./S.} of S Line and 1980 ft. {E./W.} 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 R. J. Heard
Date September 15, 1959 Title 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 From—	Perforated To—	Purpose
10 3/4"	32.0#	8rd	Used	417'	Regular	420'			Salt String
8 5/8"	28#	8rd	Used	1926'	Texas Pattern	1929'			Water String
7"	23#	8rd	Used	2075'	Guide				Prod. String

MUDDING AND CEMENTING RECORD

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

FOLD | MARK

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.	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, °API 35.0°

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

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

FORMATION RECORD

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

END OF COMPLETE DRILLER'S LOG FROM ALL AVAILABLE RECORDS. STATE IF FROM CUTTINGS OR SAMPLES.

FORMATION RECORD—Continued (OVER)

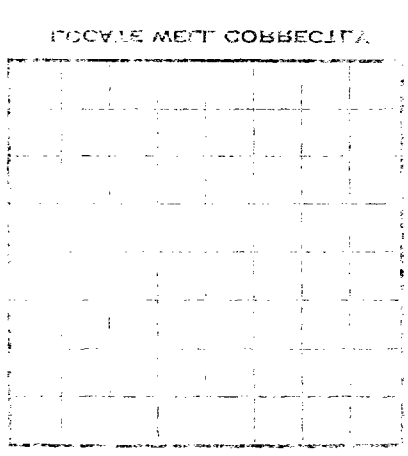
16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1860	1932	72	Shale
1932	1929	-3	Lime
1929	2070	141	Shale
2070	2084	14	Sandy lime
2084	2106	22	Sand

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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

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