GENERAL AMERICAN OIL COMPANY OF TEXAS

DISTRICT OFFICE
BOX 416
LOCO HILLS, NEW MEXICO
January 20, 1964

Mr. A. L. Porter
Secretary - Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Pursuant to Section 5 of Rule 701-E, we hereby make application for administrative approval to convert our Beeson 'F' (LC-060529) #7 well to a water injection well. This well is in the boundaries of a waterflood projedt in the Loco Hills Pool, approved by Commission Order R-2031.

Pertinent Data concerning this well is as follows:

General American Oil Company of Texas Beeson 'F' #7, located 990' from the North line & 330' from the East line of Section 31, Township 17 South, Range 30 East, N.M.P.M., Eddy County, New Mexico. This well was completed in the Loco Hills Sand on August 20, 1940. To March 11, 1943 this well produced 20,863 BO at which time it was converted to a gas injection well in the Loco Hills Sand. In August, 1951 the well was drilled deeper to the Premier Sand at which time the Loco Hills Sand was cased off behind the 5 1/2" liner. Cumulative production from the Premier Sand amounted to 15,259 barrels oil. In April, 1962 the Premier Sand was plugged off by setting a cast iron bridge plug inside the 5 1/2" liner @ 2960'. One sack of cement was dumped on top of the plug. The plug back total depth is 2953'. The 5 1/2" liner was perforated opposite the Loco Hills Sand (2826-2846'). This well has produced 524 barrels of waterflood oil and 4222 barrels of water to January 1, 1964. When last tested the well was making 15 bbls/water per day and a trace of oil. The undersigned operator expects that conversion of this well to water injection will result in more efficient flooding of the NE Quarter of Section 31, Township 17 South, Range 30 East. Injection will be down 2" EUE tubing with a packer set near the bottom of the 7" casing but above the top of the 5 1/2" liner.

This well has experienced a substantial response to water injection although said response is mostly in the form of increased water production.

Source of the water for injection into Beeson F #7 will be a mixture of produced water from the Loco Hills Sand and fresh water purchased from Caprock Water Company. Injection volumes will be from 500 to 1000 barrels of water per day.

Enlcosed herewith are the following as required by said Rule 701:

1. Plat depicting location of Beeson 'F' #7 and all wells within a two mile radius together with the formation from which they are producing or have produced.

2. Form C-116 listing periodic tests which indicate response to injection.

3. Well log of Beeson F #7, showing all formation encountered, pay zones, casing strings, etc.

4. Schematic diagram of Beeson 'F' #7 showing casing string, cement tops, perforations, etc.

A copy of the application, with all enclosures, is being forwarded to the Office of the State Engineer. Copies of the application are also being sent to Newmont Oil Company and Robert E. McKee who are offset operators to the proposed injection well.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By: R. J. Heard

R. J. Heard
District Superintendent

RJH/wtp
Encls.

Form C- 116
Revised (12/1/55

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIC REPORT

OPERATOR General American Oil Co. of Texas POOL Loco Hills

ADDRESS P. O. Box 416, Loco Hills, N. M. MONTH OF , 19

SCHEDULED TEST COMPLETION TEST SPECIAL TEST X (Check One)

(See Instructions on Reverse Side)

Lease	Well No.	Date of Test 1963	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
Beeson F	7	1-31	Pump		24		0	1.5		
		2-22	"		24		0	1.4		
		3- 9	"		24		2.6	2.6		
		4-30	"		24		4.0	1.0		
		6-23	"		24		24.0	3.0		
		7-25	"		24		16.0	1.0		
		8-18	"		24		16.0	1.0		
		9- 5	"		24		16.0	1.0		
		10-22	"		24		16.0	1.0		
		12- 1	"		24		15.0	1.0		
		12-30	"		24		15.0	Trace		

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

Date

General American Oil Company of Texas
Company

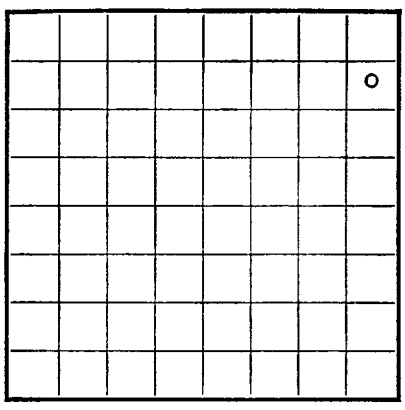
By R. O. Heard
R. O. Heard

District Superintendent
Title

Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 060529
LEASE OR PERMIT TO PROSPECT Beeson F



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 Beeson Field Loco Hills State New Mexico
Well No. 7 Sec. 31 T. 17S R. 30E Meridian N.M.P.M. County Eddy
Location 990 ft. {N./S.} of N Line and 330 ft. {E./W.} of E Line of Section 31 Elevation 3585'
(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 Title District Superintendent

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

Commenced drilling June 22, 1940 Finished drilling July 30, 1940
Commenced drilling deeper August 1, 1951 Finished drilling August 22, 1951

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2839 to 2845 Loco Hills No. 4, from ____ to ____
No. 2, from 3043 to 3048 Premier No. 5, from ____ to ____
No. 3, from 3063 to 3072 Premier No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 450 to 455 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
8 5/8"	24#	10	Bethl.	644'	Regular				Surf. Pipe
7"	20#	10	Bethl.	2735'	Float				Prod. Casing
5 1/2"	14#	8rd	Used	3061'	Float		2836	2846	Prod. Liner
						Perforated 5 1/2" Liner on 2-22-62			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	644'	50	Pump & Plug	Heavy	Top to bottom
7"	2735'	100	Pump & Plug	"	Top to bottom
5 1/2"	2896-2992	56	Pump & Fluid Displacement		None

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
		Nitroglycerin	120 qts	8/ 1/40	2830-45	2845
		Solidified Nitro	220 qts	8/16/51	3038-87	3070

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2845 feet, and from 2845 feet to 3087 feet

DATES

____, 19____ Put to producing Orig. Comp. 8-1, 19 40

The production for the first 24 hours was 65 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment.

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

EMPLOYEES

P. A. Hancox (Orig. Comp.), Driller Clay Rook (Drill Deeper Comp.), Driller
L. W. Ledbetter (Drill Deeper Comp.), Driller V. Richardson (Drill Deeper Comp.), Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Gyp
40	80	40	Red bed and gyp
80	140	60	Sand, gyp and red bed
140	180	40	Red bed
180	225	45	Red bed
225	270	45	Red bed and gyp
270	405	135	Gyp
405	450	45	Red Bed
450	458	8	Red and gyp - Water 450
458	1105	747	Salt Set 8 1/4" pipe at 644
1105	2035	930	Anhydrite
2035	2060	25	Anhydrite & brown shale
2060	2085	25	Anhydrite
2085	2295	210	Anhydrite
2295	2335	40	Red sand
2335	2482	147	Anhydrite
2482	2500	18	Sand
2500	2509	9	Lime - Set 5 1/2" to 2533, 41' OD
2509	2569	60	Anhydrite
2569	2579	10	Sand
2579	2589	10	Anhydrite
2589	2609	20	Sand
2609	2629	20	Sandy Anhydrite
2629	2638	9	Sand

FROM— TO— Continued TOTAL FEET FORMATION

[OVER]

FORMATION RECORD—Continued

16—43094-5

FOLD | MARK

LOG OF THIS WELL AT THE WHETHER FRESH

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2638	2642	4	Lime
2642	2668	26	Gray Lime
2668	2685	17	Lime and sand
2685	2702	17	Lime
2702	2734	32	Sandy lime
2734	2798	62	Gray lime - Set 2733' of 7" OD
2796	2805	9	Sandy lime
2805	2830	25	Gray lime
2830	2845	15	Oil sand
			Orig. T. D. 2845'
2845	2919	74	Gray lime
2919	2929	10	White lime
2929	2938	9	Brown lime
2938	2953	15	Gray lime
2953	2960	7	Sand
2960	2989	29	Gray Lime
2989	2996	7	Lime
2996	3002	6	Brown lime
3002	3019	17	Gray lime
3019	3037	18	White lime
3037	3047	6	Gray lime
3043	3048	5	Sand
3048	3053	5	Sand Lime
3055	3064	9	Gray lime
3064	3076	12	Sandy lime
3076	3077	1	Sand
3077	3087	10	White lime
			T. D. 3087'

Geological Tops:

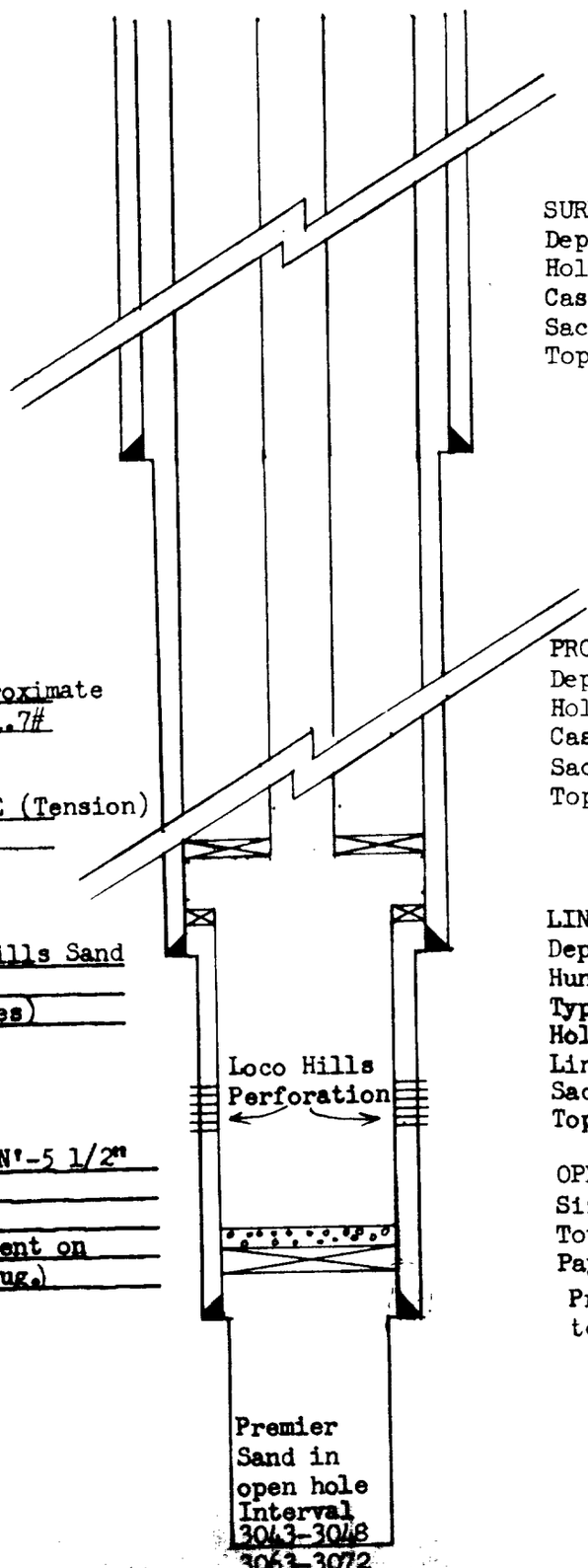
Top Salt	458'	- Drlr.
Base Salt	1105'	" "
Red Sand	2290'	- Smp.s
Top Grayburg Lime	2640'	- "
Top Loco Hills Sand	2830'	- "
Top Premier Sand	3043'	- "

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.

GENERAL AMERICAN OIL COMPANY OF TEXAS
SCHEMATIC DIAGRAM OF
PROPOSED INJECTION WELL

Lease and Well No.: Beeson F #7
Location: 990' feet from North line and
330' feet from East line of
Section 31 TWP 17-S RGE 30-E
N.M.P.M. Eddy County, New Mexico



SURFACE CASING
Depth Set: 644'
Hole Size: 10"
Casing Size & Wt.: 8 5/8" - 24#
Sacks Cement: 50 sxs.
Top of Cement: 300' Est.

TUBING
Depth Set: 2660' - Approximate
Size, Wt. & Type: 2" EUE 4.7#

PACKER
Make & Type: Totem-Type E (Tension)
Depth Set: 2660'

PRODUCTION CASING
Depth Set: 2733'
Hole Size: 8"
Casing Size & Wt.: 7" - 20#
Sacks Cement: 100
Top of Cement: 2400' By Cement Evaluation Log

LINER PERFORATIONS
Interval: 2826-2846 Loco Hills Sand
No. Shots: 80 J-4 Jets
Pay Zone: 2830-2843 (Samples)

LINER
Depth Set: 2992'
Hung at: 2686'
Type Hanger: Baash-Ross - Mod. 131
Hole Size: 6 1/4"
Liner Size & Wt.: 5 1/2" - 14#
Sacks Cement: 56
Top Cement: 2848' By Cement Evalutation Log

BRIDGE PLUG
Make & Type: Baker-Model 'N'-5 1/2" Cast Iron
Depth Set: 2960'
PBTD: 2953' (1 sack/cement on top of bridge plug.)

OPEN HOLE
Size: 4 7/8"
Total Depth: 3087'
Pay Zone: 3043-3072 - PREMIER SAND
Premier Sand is plugged off and temporarily abandoned.

GENERAL AMERICAN OIL COMPANY OF TEXAS

DISTRICT OFFICE
BOX 416
LOCO HILLS, NEW MEXICO

January 24, 1964

Mr. A. L. Porter
Secretary - Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

In a letter dated January 20, 1964 the undersigned company made application for administrative approval to convert our Beeson F #7 well in the Loco Hills Waterflood, Eddy County, New Mexico to an injection well. It was noted at the end of the letter that a copy of the application had been sent to Robert E. McKee, operator of the property that offsets the proposed injection well to the east. It has been brought to our attention that Carper Drilling Company has recently taken over operations of this property. Therefore we are sending a copy of the application to Carper Drilling Company, Artesia New Mexico.

Respectively yours,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By: R. J. Heard
District Superintendent

RJH/wtp

NEWMONT OIL COMPANY
ROWLEY BUILDING
ARTESIA, NEW MEXICO

NEW MEXICO
DISTRICT OFFICE

January 24, 1964

Mr. A. L. Porter, Jr.
Secretary-Director
New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Dear Sir:

We have no objection to General American Oil Company's conversion of their Beeson F No. 7 well to water injection. This well is located in the Loco Hills Pool, Eddy County, New Mexico.

Sincerely,

NEWMONT OIL COMPANY

H. J. Ledbetter

Herman J. Ledbetter
District Superintendent

sf

CARPER DRILLING COMPANY, INC.

OIL PRODUCTION AND DRILLING

STANLEY CARPER, PRESIDENT
MARSHALL ROWLEY, EXEC. VICE-PRES. & TREAS.
GLENN A. CASKEY, SECRETARY

ARTESIA, NEW MEXICO – 88210
CARPER BUILDING
PHONE 746-2783

January 24, 1964

Mr. A. L. Porter
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

The Carper Drilling Company, Inc. has no objection insofar as their rights are concerned for the General American Oil Company of Texas to convert their Beeson F #7 well to water injection. The location of said well is 990' FNL and 330' FEL, Section 31, Township 17 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.

We recently acquired the Robert E. McKee property which is directly offsetting the proposed injection well.

Yours truly,

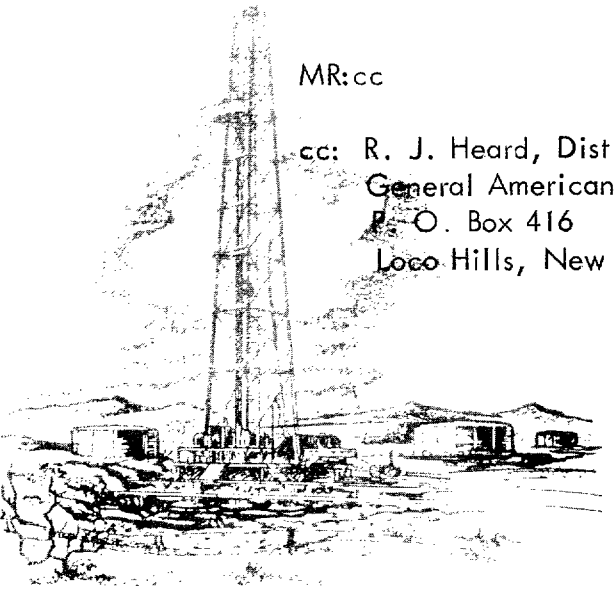
CARPER DRILLING COMPANY, INC.

Marshall Rowley

Marshall Rowley

MR:cc

cc: R. J. Heard, Dist. Supt.
General American Oil Company of Texas
P. O. Box 416
Loco Hills, New Mexico



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

January 27, 1964

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of General American Oil Company of Texas which seeks administrative approval for conversion of their Beeson F #7 well to water injection. I have reviewed the application, the attached forms 9-330, C-116 and the diagrammatic sketch of the proposed injection well. I have concluded that if the project is completed in the manner set forth in the application and the above mentioned attachments, that no threat of contamination to the fresh waters which may exist in the area will occur. Therefore, this office offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds
State Engineer

By: Frank E. Irby
Frank E. Irby
Chief
Water Rights Division

FEI/ma
cc-General American Oil Co.
F. H. Hennighausen

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE