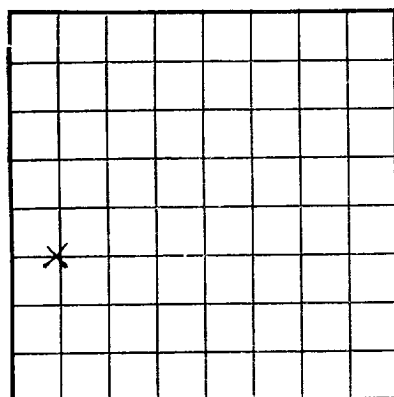


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **034711**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Anon G. Carter Foundation** Address **P. O. Box 1688, Kermit, Texas**
Lessor or Tract **Baylus Cade** Field **Langlie** State **New Mexico**
Well No. **1** Sec. **35** T. **23-S** R. **37-E** Meridian **NMPM** County **Lea**
Location **1980 ft. N of S Line and 660 ft. E of W Line of Sec. 35** Elevation **3249**
(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

Title **Field Manager**Date **January 27, 1950**

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

Commenced drilling **November 11th, 1949** Finished drilling **January 8th, 1950**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3410** to **3450** O & G No. 4, from _____ to _____
No. 2, from **3465** to **3491** No. 5, from _____ to _____
No. 3, from **3495** to **3537** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to **90'** No. 3, from **622** to **650**
No. 2, from **575** to **580** No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	48#	8	Spang	299.00	Reamer				
10-3/4	42#	8	Spang	721.00	Reamer				
8-5/8	35#	8	Spang	1251.00	Reamer				
7" CD	20#	8	Spang	3291.00	Reamer		2737	2739	Re-cement

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	300	175 sacks	Pump & plug		
7" CD	3298	*700 sacks	Pump & plug		
(*50 sacks / 2% Gel first stage; 650 sacks / 3% Gel second stage)					

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
3"		Solidified			3410 - 3465	Still
4"		Nitro-Glycerine	380 lbs	1-10-50	3465 - 3535	Cleaning 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

Put to producing **December 30th, 1949**
The production for the first 24 hours was **144** barrels of fluid of which **100** % was oil; **No** %
emulsion; **No** % water; and **No** % sediment. (In Tanks) Gravity, °Bé: **33.3 @ 60**
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. Leslie, Driller **Glenn E. Yeater**, Driller
J. B. Thompson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Sand and Caliche
15	105	90	Sand (water at 90')
105	276	171	Red Rock
276	288	12	Gravel
288	302	14	Red Rock
302	385	83	Brown Shale
385	415	30	Gray Shale
415	440	25	Brown Shale
440	465	25	Red Shale
465	523	58	Brown Shale
523	580	57	Gray Shale (little water 575-580)
580	605	25	Red Shale
605	692	87	Gray Sand (HFW 650)
692	720	28	Shale
720	780	60	Red Rock (225' water in hole @ 780)
780	805	25	Gray Sand and Gravel
805	1059	249	Red Shale
1054	1158	104	Anhydrite Top Anhydrite 1054
1158	1165	7	Brown Lime Top Rustler Lime 1158
1165	1170	5	Red Shale
1170	1205	35	Anhydrite
1205	1217	12	Red Shale, Anhydrite, some Salt
1217	1224	7	Red Sand and Anhydrite
1224	1247	23	Red Shale and Anhydrite
1247	1250	3	Anhydrite

(OVER)

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

NOG OF OF OR CAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

7" CD 20# H-40 Seamless Casing was set at 3298 on December 18, 1949, cemented with 50 sacks of cement plus two percent Aquegel. Temperature survey showed top of cement at approximately 3000 feet. Drilled plug, balled hole dry and after standing six hours, hole still balled dry indicating a water shut-off.

By the time the well reached a depth of 3523, the well was flowing oil and gas at such a rate as to make it advisable to complete the cementing of the 7" casing before drilling deeper. The 10-3/4" casing set at 722 and the 8-5/8" casing set at 1251 were pulled and a Baker wire line bridging plug was set in the 7" at 2760. The 7" casing was perforated with five 1/2" holes from 2737 to 2739 and the casing was recomputed with 650 sacks of cement plus three percent Aquegel. A temperature survey showed the top of cement to be at 300 feet at the base of the 13-3/8" surface pipe. On drilling the bridging plug, the hole was balled dry and allowed to stand for six hours. The hole still balled dry and was called a water shut off. Drilling was resumed at 3521 feet.

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

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FORMATION	TO	TOTAL FEET	FROM
Red and Grey Shale, Anhydrite	1252	2	1250
Salt	1255	3	1252
Salt - Top of Salt 1252	1275	20	1255
Shale and Salt	1285	10	1275
Anhydrite	1300	15	1285
Red Shale	1320	20	1300
Salt and Red Shale	1340	20	1320
Anhydrite	1360	20	1340
Salt	1370	95	1360
Anhydrite	1435	20	1370
Salt	1455	20	1435
Anhydrite	1531	76	1455
Salt	1542	11	1531
Anhydrite	1912	370	1542
Salt	1938	26	1912
Anhydrite	1970	32	1938
Salt	1980	10	1970
Anhydrite	2010	30	1980
Salt and Anhydrite Shells	2022	12	2010
Blue Shale	2108	86	2022
Salt	2135	27	2108
Anhydrite	2310	175	2135
Salt Base of Salt 2310	2412	102	2310
Anhydrite	2470	28	2412
Brown Lime and Anhydrite	2497	57	2470
Anhydrite	2524	27	2497
Anhydrite and Red Shale	2653	106	2524
Anhydrite, Red Sand and Shale (F.G.)	2680	27	2653
Grey and Anhydrite	2705	25	2680
Anhydrite	2716	11	2705
Anhydrite and Red Shale	2740	24	2716
Anhydrite, Lime and Grey Sand	3090	350	2740
Anhydrite and Lime	3100	10	3090
Grey Shale	3146	46	3100
Anhydrite and Red Sand	3170	24	3146
Lime and Anhydrite	3183	13	3170
Grey Sand, Anhydrite and Lime	3223	40	3183
Lime, Anhydrite	3257	34	3223
Lime and Bentonite	3281	24	3257
Grey Sand, Lime and Anhydrite (F.G.)	3300	19	3281
Sandy Lime, Top Queen Sand 3257	3390	90	3300
Lime and Anhydrite	3397	7	3390
Grey Sand and Lime	3402	5	3397
Blue Shale and Lime	3417	15	3402
Grey Sand	3421	4	3417
Grey Sand and Lime	3426	5	3421
Grey Sand	3450	29	3426
Grey Sand and Lime	3465	15	3450
Lime	3498	7	3465
Blue Grey Sand	3500	2	3498
Grey Sand	3521	21	3500
Lime and Sand	3523	2	3521
Lime	3535	12	3523
Lime and Sand Bat Top of Grayburg 3535	3549	14	3535

INFORMATION RECORD—Continued