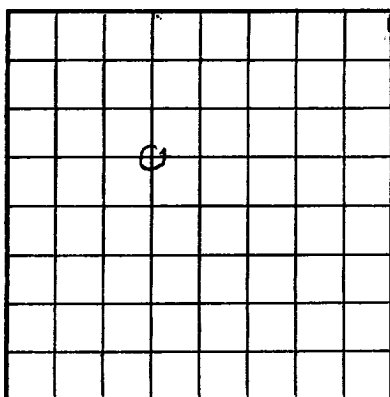


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U. S. GEOLOGICAL SURVEY
Denver, Colorado

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **American Republics Corporation** Address **Box 547 Artesia, New Mexico**
Lessor or Tract **F. M. Robinson** Field **Grayburg-Jackson** State **New Mexico**
Well No. **7-B** Sec. **35** T. **17S** R. **29E** Meridian **NMPM** County **Eddy**
Location **1980** ft. of **N** Line and **1980** ft. of **W** Line of **Sec. 35** Elevation **3533**
(Derrick floor relative to sea level)

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

Signed _____

Date **February 18, 1946** Title **Superintendent**

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

Commenced drilling **December 13**, 19**45** Finished drilling **February 16**, 19**46**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3050** to **3180** No. 4, from _____ to _____

No. 2, from **3000** to **3050** No. 5, from _____ to _____

No. 3, from **3000** to **3180** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	24	8	Halliburton	400	Float				
7	20	8	Halliburton	3040	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	490	50	Halliburton		
7	3040	100	"		5 cks. 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

TOOLS USED

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

Cable tools were used from **Surface** feet to **3180** feet, and from _____ feet to _____ feet

DATES

February 18, 19**46** Put to producing **February 16**, 19**46**

The production for the first 24 hours was **141** barrels of fluid of which **100** % was oil; _____ %

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **37**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

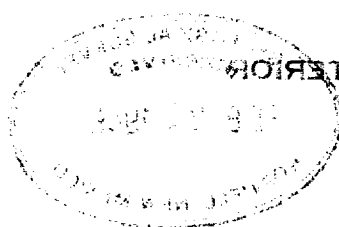
Brewer Drilling Company, Driller _____, Driller _____

Contractor, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	115	115	Shale - sandy
115	170	55	Shale
170	220	50	Shale
220	230	10	Shale (show water 230-35)
230	235	5	Red Rock & shells
235	240	5	Shale & shells
240	245	5	Shale (8" @ 425) (Did not hold)
245	250	5	Salt & potash (8" @ 490)
250	255	5	Salt
255	260	5	Salt and potash
260	265	5	Salt
265	270	5	Salt
270	275	5	Anhydrite
275	280	5	Red Rock
280	285	5	Anhydrite - broken
285	290	5	Anhydrite
290	295	5	Anhydrite - broken
295	300	5	Anhydrite
300	305	5	Anhydrite - broken
305	310	5	Anhydrite
310	315	5	Anhydrite - broken
315	320	5	Anhydrite
320	325	5	Anhydrite - broken
325	330	5	Anhydrite
330	335	5	Anhydrite - broken
335	340	5	Anhydrite
340	345	5	Anhydrite - broken
345	350	5	Anhydrite
350	355	5	Anhydrite - broken
355	360	5	Anhydrite
360	365	5	Anhydrite - broken
365	370	5	Anhydrite
370	375	5	Anhydrite - broken
375	380	5	Anhydrite
380	385	5	Anhydrite - broken
385	390	5	Anhydrite
390	395	5	Anhydrite - broken
395	400	5	Anhydrite
400	405	5	Anhydrite - broken
405	410	5	Anhydrite
410	415	5	Anhydrite - broken
415	420	5	Anhydrite
420	425	5	Anhydrite - broken
425	430	5	Anhydrite
430	435	5	Anhydrite - broken
435	440	5	Anhydrite
440	445	5	Anhydrite - broken
445	450	5	Anhydrite
450	455	5	Anhydrite - broken
455	460	5	Anhydrite
460	465	5	Anhydrite - broken
465	470	5	Anhydrite
470	475	5	Anhydrite - broken
475	480	5	Anhydrite
480	485	5	Anhydrite - broken
485	490	5	Anhydrite
490	495	5	Anhydrite - broken
495	500	5	Anhydrite
500	505	5	Anhydrite - broken
505	510	5	Anhydrite
510	515	5	Anhydrite - broken
515	520	5	Anhydrite
520	525	5	Anhydrite - broken
525	530	5	Anhydrite
530	535	5	Anhydrite - broken
535	540	5	Anhydrite
540	545	5	Anhydrite - broken
545	550	5	Anhydrite
550	555	5	Anhydrite - broken
555	560	5	Anhydrite
560	565	5	Anhydrite - broken
565	570	5	Anhydrite
570	575	5	Anhydrite - broken
575	580	5	Anhydrite
580	585	5	Anhydrite - broken
585	590	5	Anhydrite
590	595	5	Anhydrite - broken
595	600	5	Anhydrite
600	605	5	Anhydrite - broken
605	610	5	Anhydrite
610	615	5	Anhydrite - broken
615	620	5	Anhydrite
620	625	5	Anhydrite - broken
625	630	5	Anhydrite
630	635	5	Anhydrite - broken
635	640	5	Anhydrite
640	645	5	Anhydrite - broken
645	650	5	Anhydrite
650	655	5	Anhydrite - broken
655	660	5	Anhydrite
660	665	5	Anhydrite - broken
665	670	5	Anhydrite
670	675	5	Anhydrite - broken
675	680	5	Anhydrite
680	685	5	Anhydrite - broken
685	690	5	Anhydrite
690	695	5	Anhydrite - broken
695	700	5	Anhydrite
700	705	5	Anhydrite - broken
705	710	5	Anhydrite
710	715	5	Anhydrite - broken
715	720	5	Anhydrite
720	725	5	Anhydrite - broken
725	730	5	Anhydrite
730	735	5	Anhydrite - broken
735	740	5	Anhydrite
740	745	5	Anhydrite - broken
745	750	5	Anhydrite
750	755	5	Anhydrite - broken
755	760	5	Anhydrite
760	765	5	Anhydrite - broken
765	770	5	Anhydrite
770	775	5	Anhydrite - broken
775	780	5	Anhydrite
780	785	5	Anhydrite - broken
785	790	5	Anhydrite
790	795	5	Anhydrite - broken
795	800	5	Anhydrite
800	805	5	Anhydrite - broken
805	810	5	Anhydrite
810	815	5	Anhydrite - broken
815	820	5	Anhydrite
820	825	5	Anhydrite - broken
825	830	5	Anhydrite
830	835	5	Anhydrite - broken
835	840	5	Anhydrite
840	845	5	Anhydrite - broken
845	850	5	Anhydrite
850	855	5	Anhydrite - broken
855	860	5	Anhydrite
860	865	5	Anhydrite - broken
865	870	5	Anhydrite
870	875	5	Anhydrite - broken
875	880	5	Anhydrite
880	885	5	Anhydrite - broken
885	890	5	Anhydrite
890	895	5	Anhydrite - broken
895	900	5	Anhydrite
900	905	5	Anhydrite - broken
905	910	5	Anhydrite
910	915	5	Anhydrite - broken
915	920	5	Anhydrite
920	925	5	Anhydrite - broken
925	930	5	Anhydrite
930	935	5	Anhydrite - broken
935	940	5	Anhydrite
940	945	5	Anhydrite - broken
945	950	5	Anhydrite
950	955	5	Anhydrite - broken
955	960	5	Anhydrite
960	965	5	Anhydrite - broken
965	970	5	Anhydrite
970	975	5	Anhydrite - broken
975	980	5	Anhydrite
980	985	5	Anhydrite - broken
985	990	5	Anhydrite
990	995	5	Anhydrite - broken
995	1000	5	Anhydrite

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

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

After acid flowed 141 bbl. oil per day, after flowing for two hours to pit.

Lot	Quantity	Unit Price	Total Price
1000	1000	3.17	3170
3000	3000	3.18	9540
3040	3040	3.18	9667.20

Raymond Electric Pilot Survey from 3040' to Total Depth 3180'.
Before acidizing 1200' oil in hole.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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 "mudded" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.																																																																																																			

HISTORY OF OIL OR GAS WELL

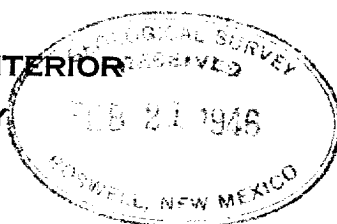
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FROM-	TO-	TOTAL FEET	FORMATION
1830	1845	15	Gravelite - broken
1845	1858	13	Gravelite - broken
1858	1865	7	Gravelite - broken
1865	1875	10	Gravelite - broken
1875	1885	10	Gravelite - broken
1885	1890	5	Gravelite - broken
1890	1900	10	Gravelite - broken
1900	1910	10	Gravelite - broken
1910	1925	15	Gravelite - broken
1925	1935	10	Gravelite - broken
1935	1945	10	Gravelite - broken
1945	1955	10	Gravelite - broken
1955	1965	10	Gravelite - broken
1965	1975	10	Gravelite - broken
1975	1985	10	Gravelite - broken
1985	1995	10	Gravelite - broken
1995	2000	5	Gravelite - broken
2000	2010	10	Gravelite - broken
2010	2025	15	Gravelite - broken
2025	2040	15	Gravelite - broken
2040	2045	5	Gravelite - broken
2045	2050	5	Gravelite - broken
2050	2060	10	Gravelite - broken
2060	2070	10	Gravelite - broken
2070	2080	10	Gravelite - broken
2080	2090	10	Gravelite - broken
2090	2100	10	Gravelite - broken
2100	2110	10	Gravelite - broken
2110	2120	10	Gravelite - broken
2120	2130	10	Gravelite - broken
2130	2140	10	Gravelite - broken
2140	2150	10	Gravelite - broken
2150	2160	10	Gravelite - broken
2160	2170	10	Gravelite - broken
2170	2180	10	Gravelite - broken
2180	2190	10	Gravelite - broken
2190	2200	10	Gravelite - broken
2200	2210	10	Gravelite - broken
2210	2220	10	Gravelite - broken
2220	2230	10	Gravelite - broken
2230	2240	10	Gravelite - broken
2240	2250	10	Gravelite - broken
2250	2260	10	Gravelite - broken
2260	2270	10	Gravelite - broken
2270	2280	10	Gravelite - broken
2280	2290	10	Gravelite - broken
2290	2300	10	Gravelite - broken
2300	2310	10	Gravelite - broken
2310	2320	10	Gravelite - broken
2320	2330	10	Gravelite - broken
2330	2340	10	Gravelite - broken
2340	2350	10	Gravelite - broken
2350	2360	10	Gravelite - broken
2360	2370	10	Gravelite - broken
2370	2380	10	Gravelite - broken
2380	2390	10	Gravelite - broken
2390	2400	10	Gravelite - broken
2400	2410	10	Gravelite - broken
2410	2420	10	Gravelite - broken
2420	2430	10	Gravelite - broken
2430	2440	10	Gravelite - broken
2440	2450	10	Gravelite - broken
2450	2460	10	Gravelite - broken
2460	2470	10	Gravelite - broken
2470	2480	10	Gravelite - broken
2480	2490	10	Gravelite - broken
2490	2500	10	Gravelite - broken
2500	2510	10	Gravelite - broken
2510	2520	10	Gravelite - broken
2520	2530	10	Gravelite - broken
2530	2540	10	Gravelite - broken
2540	2550	10	Gravelite - broken
2550	2560	10	Gravelite - broken
2560	2570	10	Gravelite - broken
2570	2580	10	Gravelite - broken
2580	2590	10	Gravelite - broken
2590	2600	10	Gravelite - broken
2600	2610	10	Gravelite - broken
2610	2620	10	Gravelite - broken
2620	2630	10	Gravelite - broken
2630	2640	10	Gravelite - broken
2640	2650	10	Gravelite - broken
2650	2660	10	Gravelite - broken
2660	2670	10	Gravelite - broken
2670	2680	10	Gravelite - broken
2680	2690	10	Gravelite - broken
2690	2700	10	Gravelite - broken
2700	2710	10	Gravelite - broken

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company American Republics Corporation Address Box 547 Artesia, New Mexico
Lessor or Tract F. M. Robinson Field Grayburg-Jackson State New Mexico
Well No. 7-B Sec. 35 T. 17S R. 29E Meridian NMPM County Eddy
Location 1980 ft. S of N Line and 1980 ft. E of W Line of Sec. 35 Elevation 3533

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

Signed

Date **February 18, 1946**

Title **Superintendent**

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

Commenced drilling December 13, 1945 Finished drilling February 16, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3050 to 3180 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 _____ 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—	
7/8"	24	11	Lap.	480					
7"	20	8	Seamless	3040	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8	490	50	Halliburton		
7"	3040	100	"		5 cks. 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
		TREATED WITH ACID				

TOOLS USED

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

Cable tools were used from surface feet to 2180 feet, and from _____ feet to _____ feet

DATES

February 18, 1946 Put to producing February 16, 1946

The production for the first 24 hours was 141 barrels of fluid of which 100 % was oil; ----- %

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Brewer Drilling Company, Driller _____, Driller

-----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	115	115	Shale - sandy
115	170	55	Shale
170	220	50	Gyp
220	285	65	Shale (show water 230-35)
285	375	90	Red Rock & shells
375	395	20	Shale & shells
395	425	30	Salt (8 1/2" @ 425 Did not hold)
425	490	65	Salt & potash (8 1/2" @ 490)
490	650	160	Salt
650	730	80	Salt and potash
730	765	35	Salt
765	820	55	Anhydrite
820	835	15	Red rock
835	885	50	Anhydrite - broken
885	945	60	Anhydrite
945	1070	125	Anhydrite - broken
1070	1125	55	Anhydrite
1125	1165	40	Anhydrite - broken
1165	1265	100	Anhydrite
1265	1300	35	Anhydrite - broken
1300	1660	330	Anhydrite
1660	1775	115	Anhydrite - broken
1775	1830	55	Anhydrite

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1830	1845	15	Anydrite - broken
1845	1858	13	Nal, Steel Line Correction
1858	1865	7	Anydrite - broken
1865	1925	60	Anydrite - broken
1925	1955	30	Anydrite - broken
1955	1965	10	Anydrite
1965	1990	25	Red Sand
1990	2125	135	Anydrite
2125	2140	15	Line
2140	2165	25	Anydrite - broken
2165	2215	50	Anydrite
2215	2250	35	Anydrite and sandy shale
2250	2275	25	Anydrite - broken
2275	2310	35	Anydrite
2310	2325	15	Line
2325	2340	15	Anydrite - broken
2340	2345	5	Line
2345	2390	45	Line - broken
2390	2420	30	Line - Gray
2420	3180	760	Line

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.

Ran Dowell Electric Pilot Survey from 3040' to Total Depth 3180'.

Before acidizing 1200' oil in hole.

Treated 1000 gal. 3145-3180
3000 gal. 3100-3180
3000 gal. 3040-3072

After acid flowed 141 bbl. oil per day, after flowing for two hours to pit.