WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 51546
Rec. 19
Well No. .....
Permit No. 11720
Do not fill in

Owner: Fay Bresnan(Tumbleweed Court) Driller: Canemona Drilling Co.

Address: ..... Address: ..... Lic. No. .....

Location of well: NW ¼ SW ¼ Sec. 16, T. 21 N/S, R. 61 E, in Clark County

or .....

Water will be used for: D. & I. Total depth of well: 752 ft.

Size of drilled hole: 10" & 8" Weight of casing per linear foot: 28 lb.

Thickness of casing: 1/4" Temp. of water: .....

Diameter and length of casing: 8" to 752 ft.
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

If flowing well give flow in c.f.s. or g.p.m. and pressure: 65 G.P.M.

If nonflowing well give depth of standing water from surface: .....

If flowing well describe control works: 8" cap with 4" outlet
(Type and size of valve, etc.)

Date of commencement of well: Feb. 6, 1947 Date of completion of well: Feb. 22, 1947

Type of well rig: Spudder Cable tools

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	5	5	sand and gravel
5	15	10	caliche and gravel
15	35	20	caliche water
35	40	5	gravel
40	150	110	red clay and gravel
150	65	15	sand
65	85	20	red clay and gravel
85	95	10	caliche and gravel
95	125	30	clay and gravel
125	145	20	sandy clay
145	196	51	clay and gravel
196	201	5	gravel
201	210	9	clay
210	218	8	sand
218	255	37	sandy clay
255	265	10	chert and gravel, hard
265	266	1	chert and gravel, soft
266	274	8	gravel hard
274	275	1	gravel soft
275	279	4	gravel hard
279	281	2	gravel soft
281	295	14	gravel
295	307	12	clay and gravel
307	380	73	cement gravel hard
380	393	13	gravel and clay
393	398	5	gravel hard
398	404	6	red sandy clay

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
from 525 to 537 ft.

Other aquifers: 663 to 665
725 to 752

First water at ..... feet.

Casing perforated
from 525 to 535
660 665
725 750 ft.

Size of perforations: 1/4" X 6"

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LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
404	415	11	gravel hard
415	420	5	red clay
420	438	18	gravel hard
438	448	10	blue clay
448	467	19	yellow clay
467	490	23	gravel and clay
490	500	10	sand
500	525	25	red clay
525	537	12	gravel water
537	555	13	sand and clay
555	658	103	clay
658	663	5	sand
663	665	2	gravel, water
665	725	60	clay
725	735	10	gravel, water
735	739	4	clay
739	752	14	gravel water

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
XXX	XXX			
8"	0	752	752	8" casing cemented down to 438 ft. ????? 8" casing has heavy duty drive shoe on bottem.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed .....
Well Driller

By.....

License No.....

Dated....., 19.....

(Not to be filled in by Driller)

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

(Statutes 1939, chapter 178, section 7. See page 2 of this form)

(Filed May 12, 1947, State Engineer's Office)

LC # 51546

PERMIT TO APPROPRIATE WATER, SERIAL NUMBER 11720 *well 557*

Permittee Faye Bresnan (Trustee Cestui)

Address Las Vegas, Nevada

Driller CANEMONA DRILLING COMPANY

Address 205 E. Bridger

Location of well NW of SW of Sec 16 Twp 21 S. Range 61 E.
(Describe in legal subdivisions.)

Water will be used for Quasi Municipal & Domestic Total depth of well 752'

Size of drilled hole 10" and 8" Thickness of casing ¼"

Weight of casing per linear foot 28 lbs. Quality of casing Very good

Diameter and length of casing 8" 752'
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

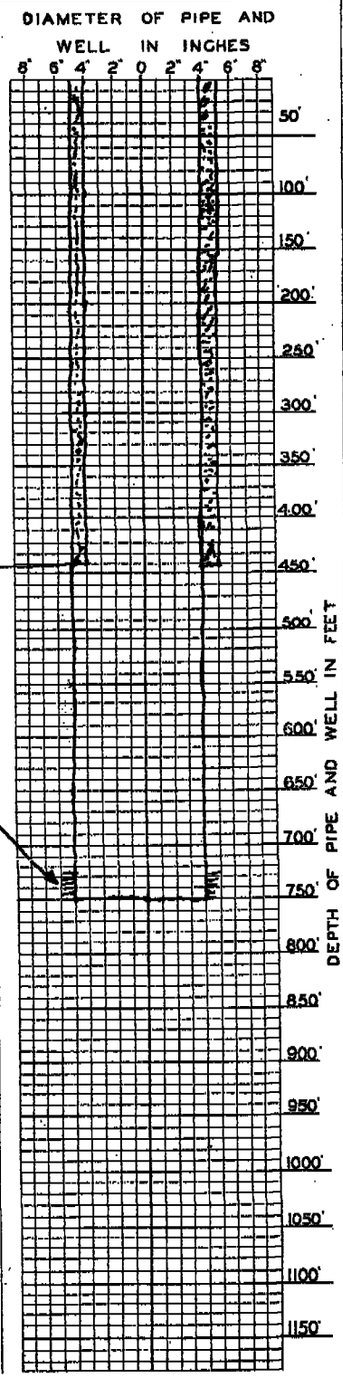
If flowing well give flow in c.f.s. and pressure 65 Gallons per minute

If nonflowing well give depth of standing water from surface

If flowing well describe control works 8" cap. with 4" outlet
(Type and size of valve, etc.)

Date of commencement of well Feb. 6, 1947 Date of completion of well Feb. 22, 1947

Type of well rig Spudder - Cable tools

Screens, seals, plugs, grouts, etc.	Well diagram	Formations. State if dry or water bearing	Kind of casing, liner, shoe, etc.
8" casing cemented, 438' to surface 438 Perforations Total Depth 752		Sand & Gravel 5 Caliche & Gravel 15 Caliche-Water 35 Gravel 40 Red Clay & Gravel 50 Sand 65 Red clay & Gravel 85 Caliche & gravel 95 Clay & Gravel 125 Clay-sandy 145 Clay & gravel 196 Gravel 201 Clay 210 Sand 218 Clay-sandy 255 Chert & Gravel, Hard 265 Chert & gravel, soft 266 Gravel-Hard 274 Gravel-Soft 275 Gravel-Hard 279 Gravel-Soft 281 Gravel 295 Clay and Gravel 307 Cement gravel-Hard 380 Gravel and Clay 393 Gravel-hard 398 Red Clay - sandy 404 Gravel-Hard 415 Red clay 420 Gravel-hard 438 Blue clay 448 Yellow clay 467 Gravel and clay 490 Sand 500 Red clay 525 Gravel-Water 500 Sand & Clay 555 Clay 658 Sand 663 Gravel-Water 665 Clay 725 Gravel-Water 735 Clay 739 Gravel-Water 752	752 feet of 28# No. 1 8" casing. Heavy duty drive shoe on bottom joint. Chief aquifer (water-bearing formation) from 525 to 537 ft. Other aquifers 663-665 725 - 752 Casing perforated from 525 to 535 ft. 660 665 725 750 Size of perforations ¼" x 6 slots

DIAMETER OF PIPE AND WELL IN INCHES
8" 6" 4" 2" 0 2" 4" 6" 8"

DEPTH OF PIPE AND WELL IN FEET
50' 100' 150' 200' 250' 300' 350' 400' 450' 500' 550' 600' 650' 700' 750' 800' 850' 900' 950' 1000' 1050' 1100' 1150'

is affirmative. The state engineer at any time may hold a hearing on his own motion, or upon petition signed by a representative body of users of underground water in any area or subarea, to determine whether the water supply within such area or subarea is adequate for the needs of all permittees and all vested-right claimants, and if the determination is negative the state engineer shall order that withdrawals be restricted to conform to prority rights during the period of shortage.

SEC. 11. The state engineer, his assistants or authorized agents and the artesian well supervisor, or his assistants, shall have the right to enter the premises of any owner or proprietor where any well mentioned in this act is situated at any reasonable hour of the day for the purpose of investigating and carrying out his or their duties in the administration of this act.

SEC. 12. Any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in a sum of not less than ten ($10) dollars nor more than two hundred fifty ($250) dollars, or by imprisonment in the county jail not exceeding three months, or by both such fine and imprisonment.

SEC. 13. Each section of this act and every part of each section is hereby declared to be an independent section, or a part of a section, and the holding of any section or part thereof to be void or ineffective from any cause shall not be deemed to affect any other section or any part thereof.

SEC. 14. All acts and parts of acts in conflict herewith, and that certain act entitled "An act to provide a law for the casing and capping of artesian wells, defining the underground waters which are governed by the laws relating to the appropriation of the public waters of the state, providing a penalty for the violation of the provisions of this act, and prescribing the duties of the district attorneys in relation thereto," approved March 24, 1915, being sections 7987 to 7993, both inclusive, N. C. L. 1929, and as amended, approved April 1, 1935, as amended, approved March 24, 1937, be and the same are hereby repealed.

SEC. 15. This act shall be effective upon its passage and approval.

Remarks.....

I hereby certify that I have read the answers to the foregoing questions and that same are true to the best of my knowledge and belief.

/s/ Fay Bresnan
Permittee.

Subscribed and sworn to before me this 7 day of May, 19 47

Notary Public in and for the County of Clark, State of Nevada

My commission expires /s/ O. W. Irwin

THIS SPACE TO BE USED FOR FUTURE INFORMATION CONCERNING FLOW AND OTHER DATA