#2 B

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No.
Rec. 34809 1990
Well No. 178
Permit No. 44998
Do not fill in

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner: US Dept of The Interior, Bureau of Land Management
Address: Federal Service Center Bldg 50, Denver Colorado 80225
Driller: R E Anderson Inc
Address: PO 312 Lakeside Calif 92040 Lic. No. A 127780

Location of well: See attached map SE 1/4 SE 1/4 Sec 15, T 29 N/S, R 62 E, in Elko Count

Permit No. 44998 #2 Butte # 4717 (south)

Water will be used for: Stock Water well Total depth of well: 133 ft.

Size of drilled hole: Weight of casing per linear foot: 18.97

Thickness of casing: .280 Temp. of water:

I.D = 6 5/8 minus 2 (.280)

Diameter and length of casing: 6 5/8" O.D. x 134 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:

If nonflowing well give depth of standing water from surface: approx 55 ft. makes 20 gpm

If flowing well describe control works: (Type and size of valve, etc.)

Date of commencement of well: Aug 14 75 Date of completion of well: Aug 21 75

Type of well rig: Cable-tool

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0-0	1-10		surface gravel med. coarse
1-10	8-0		pea gravel - some sand
8-0	10-0		yellow gravel
10-0	48-0		cream cliche med. hard (no caving)
48-0	55-0		cream colored cliche
55-0	60 0		caving pea gravel + sand
60-0	67-0		cliche w/coarse sand (holds up)
67-0	97-0		sand + gravel w/very little clay. Hole is cavy - struck water at approx 70 ft.
97-0	126-0		light gravel + sand. Hole caves
126-0	133-0		sand + gravel

6x6 slot as per spec

Water-bearing Formation, Casing Perforations, etc.

Chief aquifer (water-bearing formation)

from ..... to .....

Other aquifers

First water at approx 70 feet.

Casing perforated

from 118 to 133 ft

Size of perforations

2 1/2 x .80 x 6 perf 3 rows to 1 ft

010

Form 9-1174
(Aug. 1961)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

RECEIVED
BUR. OF LAND MANAGEMENT
OCT 14 1975
ELKO DISTRICT OFFICE
ELKO, NEVADA

21N R. 62E
21 NE ¼ NE ¼
State Nevada
County Elko
See attached map

RECORD OF WELL

1. Name of well: #2 Butte (South) #4717
2. Name of site: Elko FY76
   Site selected by Bureau of Land Management Agent Date Aug 4 (approx) 1975
3. Agency or owner: U.S. Dept of the Interior Address Denver Service Center Bldg 50 Denver, Colo. 80225
4. Driller: R.E. Anderson Inc Address P.O. 312 Lakeside Calif. 92040
5. Type of drilling rig used: Cable tool
6. Date well started: Aug 14 1975 Completed Aug 21 1975
7. Topographic setting: (In valley, on hill, etc.)
8. Altitude of land surface: ft. Det. by
9. Total depth: 133 ft. below ☒ Land surface ☐ Top of casing
10. Aquifer(s) and depths:
11. Static water level: 50 ft. below ☒ Land surface ☐ Top of casing
12. Shut-in pressure: (Flowing well) psi Det. by
13. Yield: 20 gpm after hrs. ☐ Pumping ☒ Bailing ☐ Flowing
14. Drawdown: ft. after hrs. discharging at gpm
    ft. after hrs. discharging at gpm
15. Quality of water: Color Taste
    Odor Hardness
16. Casing: Distance top/ft ☐ above ☒ below land surface 133 ft.
    Type Diam. 6⅝" OD in. Wt. 18.97 ft Depth 1 ft above ground ft. to 133 ft.
    Type Diam. in. Wt. Depth ft. to ft.
17. Perforations: Type machine cut Size 2½ x .80
    Spacing Depth 118 ft. to 133 ft.
    Spacing Depth ft. to ft.
18. Pump: Type Capacity gpm Power
19. Record by: Date 19
20. Remarks:

LOG OF WELL

Depth (feet) From—	Depth (feet) To—	Cuttings sample number	Description of materials drilled: Type of rock	Color	Other characteristics (Grain size, hardness, etc.)	Water yield (gpm)	Remarks (Quality of water, ease of drilling, caving, loss of drilling fluid, etc.)
0.0	1.0				surface gravel medium coarse		
1-10	8.0				pea gravel - some sand		
8.0	10.0				yellow gravel		
10.0	48.0				cream cliche med. hard no caving		
48.0	55.0				cream colored cliche		
55.0	60.0				caving pea gravel + sand		
60.0	67.0				cliche w/coarse sand (holds up)		
67.0	97.0				sand + gravel w/very little clay. Hole is easy (struck water at approx 70 ft)		
97.0	126.0				light gravel + sand. Hole caves		
126.0	133.0				sand + gravel		

GPO 849857

P.E. ANDERSON INC.

A LICENSED INSURED DRILLING CONTRACTOR
10303 CHANNEL ROAD
P.O. 312 • LAKESIDE, CALIFORNIA • 92040
443-3835

Butte #2

1

(1) OWNER: U.S. Dept of Interior
Name Bureau of Land Management
Address Denver Service Center Bldg 50
Denver Colorado 80225

(2) LOCATION OF WELL: # YA511-CT6-2 #4717 Butte #2 South
County Elko Nev. Owner's number, if any
R. F. D. or Street No.

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐
From 0 ft. to 133 ft. 6 5/8" Diam. .280 Gage or Wall
plus 1 ft above ground

If gravel packed
Diameter of Bore from ft. to ft.

Type and size of shoe or well ring 6" atlas gopher
Size of gravel: none
Describe joint welded arc

(7) PERFORATIONS:
Type of perforator used machine cut
Size of perforations 2 1/2 in., length, by .80 in.
From 118 ft. to 133 ft. 6 Perf. per row 3 Rows per ft.

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 3 ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From ft. to ft.
Method of Sealing grout cement

(9) WATER LEVELS: Static water level 50 ft.
Depth at which water was first found approx 70 ft. ft.
Standing level before perforating 70 ft.
Standing level after perforating 55 ft.

(10) WELL TESTS: Bail test
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: 20 gal./min. with 1/2 ft. drawdown after hrs.
Temperature of water unk. Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☐ No

6' well slab

(11) WELL LOG:
Total depth 133 ft. Depth of completed well 133 ft.
Formation: Describe by color, character, size of material, and structure.

0-0	ft. to	1-10 ft.	surface gravel med. coarse
1-10	"	8-0 "	pea gravel - some sand
8-0	"	10-0 "	yellow gravel
10-0	"	48-0 "	Cream cliche - med hard caving no.
48-0	"	55-0 "	Cream colored cliche
55-0	"	60-0 "	Caving pea gravel + sand
60-0	"	67-0 "	cliche w/coarse sand (hold sup)
67-0	"	97-0 "	sand + gravel w/very little clay
		"	Hole is caving - struck water
		"	@ approx 70 ft.
97-0	"	126-0 "	light gravel + sand - hole cave
126-0	"	133-0 "	sand + gravel

Work started Aug 14 1975. Completed Aug 21 1975

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME R E Anderson Inc (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 312
Lakeside Calif. 92040
[SIGNED] Ralph E. Anderson Well Driller
License No. A227786 Dated Aug 26 1975

COMMERCIAL - DOMESTIC - IRRIGATION