

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E
CHEYENNE, WYOMING 82002
(307) 777-6163

SCANNED OCT 16 2014

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL OR SPRING

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

PERMIT NO. U.W. 174348 NAME OF WELL/SPRING ALIVIA #1

1. NAME OF OWNER JACOB & SHANELL HATCH

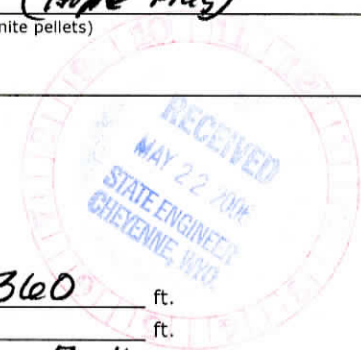
2. ADDRESS PO Box 269
City Buffalo State Wy Zip Code 82834 Phone No. 620-0201
684-

3. USE OF WATER Domestic Stock Watering Irrigation Municipal Industrial Miscellaneous
 Monitor or Test Coal Bed Methane Explain proposed use (Example: One single family dwelling) _____

4. LOCATION OF WELL/SPRING NE 1/4 NE 1/4 of Section 13, T. 51 N., R. 83 W., of the 6th P.M. (or W.R.M.)
GPS coordinates UTM Zone _____ Easting _____ Northing _____
Subdivision name Diamond Cross Lot _____ Block _____
If surveyed, bearing, distance, and reference point _____
Longitude (degrees, minutes, seconds) 106° 44. 811' Latitude (degrees, minutes, seconds) 44° 23. 757'
Datum: 1927 1983 Source: GPS Map Survey

5. TYPE OF CONSTRUCTION Drilled Forward Rotary Dug Driven Other
Describe Exploration Drilled w/ Air & Foam Reamed Bore Hole w/ Air & Foam Inj.

6. CONSTRUCTION Total depth of well/spring 370 ft.
Depth to static water level 58 ft. (below land surface) Casing height 2 ft. above ground
a. Diameter of borehole (bit size) 8 3/4 inches
b. Casing schedule New Used Joint type Threaded Glued Welded
5 1/2 diameter from +2 ft. to 370 ft. Material PVC Gage 50R-17
_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
c. Cemented/grouted interval, from 6 1/2 ft. to 90 ft.
Amount of grout used 21 Sacks type 3/8" Bentonite Chips (Hoop Plug)
(example: 10 sacks) (example: bentonite pellets)
d. Type of completion Factory screen Open hole Customized perforations
Type of perforator used _____
Size of perforations _____ inches by _____ inches
Number of perforations and depths where perforated
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Open hole from _____ ft. to _____ ft.
Well screen details
Diameter 5 1/2" slot size .025" set from 340 ft. to 360 ft.
Diameter _____ slot size _____ set from _____ ft. to _____ ft.
e. Well development method Pit Lick & Pumping How long did development last? 7 Hrs
f. Was a filter/gravel pack installed? Yes No Size of sand/gravel 1/4" Washed & Chlorinated
Filter pack/gravel installed from 90 ft. to 370 ft.
g. Was surface casing used? Yes No Was it cemented in place? Yes No



7. NAME AND ADDRESS OF DRILLING COMPANY VERPLANCKE DRILLING CO.
P.O. BOX 179
BUFFALO, WY 82834
(307) 684-8022

8. DATE OF COMPLETION OF WELL (including pump installation) OR SPRING (first used) 5-5-06

9. PUMP INFORMATION Manufacturer Jacuzzi Type Submersible
Source of power Public Util Horsepower 1 1/2 Depth of pump setting or intake 338 ft.
Amount of water being pumped 14 gal./min. (For springs or flowing wells, see item 10)
Total volumetric quantity used per calendar year 500,000 Gal

10. FLOWING WELL OR SPRING (Owner is responsible for control of flowing well)
If well yields artesian flow or if spring, yield is _____ gal./min. Surface pressure is _____ lb./sq.inch, or _____ feet of water
The flow is controlled by Valve Cap Plug
Does well leak around casing? Yes No

11. IF SPRING, HOW WAS IT CONSTRUCTED? (Some method of artificial diversion, i.e., springbox, cribbing, etc., is necessary to qualify for a water right) NA

12. PUMP TEST Was a pump test conducted? Yes No

If so, by whom Verplanck Drilling
Yield 14 gal./min. with 190 ft. drawdown after 4 hours
Yield _____ gal./min. with _____ ft. drawdown after _____ hours

13. LOG OF WELL Total depth drilled 380 ft.
Depth of completed well 370 ft. Diameter of well 5 inches.
Depth to first water bearing formation 110 ft.
Depth to principal water bearing formation top 300 ft. to bottom 367 ft.

Land surface elevation (ft. above mean sea level) _____ Datum 1929 1988
How determined Map Altimeter Survey Other

DRILL CUTTINGS DESCRIPTION: Please Refer to Attachment Sheet

From	To Ft.	Rock Type Or Description	Formation	Water Bearing? (Yes or No)
Surface				

14. DOES A GEOPHYSICAL LOG ACCOMPANY THIS FORM? Yes No

15. QUALITY OF WATER INFORMATION

Does a chemical and/or bacteriological water quality analysis accompany this form? Yes No
It is recommended that chemical and bacteriologic water quality analyses be performed and that the report(s) be filed with the records of this well. (Contact Department of Agriculture, Analytical Lab Services, Laramie, 742-2984.)
If not, do you consider the quality of water as Good Acceptable Poor Unusable

REMARKS _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct, and complete.

[Signature]
Signature of Owner or Authorized Agent

5-14, 2006
Date

FOR STATE ENGINEER'S USE ONLY

Permit No. U.W. 174348
Date of Receipt MAY 22 2006, 20____
Date of Priority 4/28/2006

Date of Approval Dec 6, 2007
[Signature]
for State Engineer

2011 FEB 1 11 30 AM

UW174348

WATER WELL COMPLETION RECORD

Well Name: Alivia #1
 Well Location: NE 1/4 NE 1/4 Sec 13 T51N R83W
 [Johnson Co., Wyoming]

Cap on casing 5 1/2" x 1" Conduit type

GROUND SURFACE

Concrete sloping away from casing, yes / no

Surface casing NA
 Diameter (ID)
 Cemented, yes/no

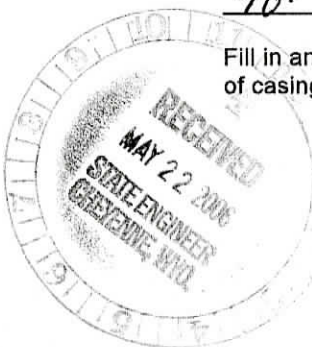
Surface cap of concrete (aggregate and cement — "Sakrete"). Vertical thickness feet NA

Bentonite plug depths (annulus): From 90' up to Pitless

Reamed borehole diameter 8 3/4"

Fill in annulus, between borehole wall and outside of casing, excluding bentonite plugs (options):

Method of well development: Air Lift and Over Pumping



	Quantity
Sand	<u> </u>
Bentonite chips	<u> </u>
Clean washed gravel	<u>90' - 370'</u>
Cement grout	<u>NA</u>
Soil, or open space	<u>NA</u>

PVC Casing: Schedule SDR-17
 INSIDE DIAMETER 5"
 Outside diameter 5 1/2"

Static water level, water level inside casing: 58 ft

Joints:
 Bell or collars X
 Glued & screwed X
 Threaded, flush joint

Artesian (flowing): NA

PVC Screens: 5 1/2" SDR-17
Factory Slotted
 Slot size .025"

Screened interval(s): Depths 340' to 360'
10' Tail Pipe - No Cap

Centralizers: Type PVC - Screwed to casing
 Location(s) 90' - 320' - 340' - 360'

Filter pack outside of screen(s):
 Material 1/4" Washed & Cleaned Rock Chips
 Amount 280' From 90' to Bottom

Casing bottom cap: No Cap

Number of drill collars used, pilot hole: 2
 Pilot hole diameter: 5 5/8"

Expected production based on raising cased water with compressed air: 17.1 gallons / minute

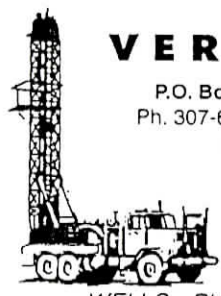
Pump installation:
1 1/2 HP 19 Stage
Jacuzzi Pump
Set @ 328' From
Top of Casing on 1 1/4"
Sec 80 PVC Drop Pipe
10-3 w/ Ground Pump Cable
1 1/4" Brass Pitless Adaptor

TOTAL DRILLED DEPTH 380
 TOTAL CASSED DEPTH 370
 PUMP/CYCLER DEPTH 328'
 PUMPED RATE OF FLOW 14 GPM

Beginning date of water production: 5-5-2006

DRILLING CONTRACTOR:
 Verplancke Drilling Company
 Buffalo, Wyoming 82834
 Driller: Roger Hauck
 Drilling completion date: 5-4-06

WELL LOG



VERPLANCKE • DRILLING CO.
 P.O. Box 179 • Buffalo, WY 82834
 Ph. 307-684-9022 • Fax 307-684-2193
 Mobile 307-620-1266

Rick & Kathy
 Verplancke
 Owners

WELLS - PUMPS - WATER SYSTEMS
 - Since 1973 -

Altura #1
 NENE Sec 13 51N83W

SCANNED OCT 16 2014

ATTACHMENT SHEET FOR STATEMENT OF COMPLETION

5-4-06

PERMIT No. U.W. 174348

Pilot Hole Bit 5 5/8"

FROM	TO	FORMATION	Bore Hole Diam - 8 3/4"
0	2	topsoil	
2	10	Tan Sand & Gravel	
10	14	Silty Clay	
14	25	Tan Sand	
25	26	oxidized Sand	
26	33	Tan Sand	
33	34	Bentonite	
34	35	Carb	
35	47	Tan Sand	
47	93	Grey Sand	
93	110	Tan Sand	
110	141	Grey Sand (Water)	Net Airlift - 7 GPM
141	143	Tan Sand	
143	152	Grey Sand	
152	153	Carb	
153	175	Siltstone	
175	212	Silty Shale	
212	230	Coarse Sand & Gravel	
230	240	Silty Shale	
240	245	Coarse Sand	
245	251	Shale	
251	260	Tan Sand	
260	280	Grey Silty Shale	
280	282	Brown Sand	
282	284	Ledge (Water)	Net Airlift - 5 GPM
284	300	Shale	
300	365	Siltstone - (Water)	Net Airlift 6 GPM
365	367	Sand	
367	374	Shale	
374	375	Siltstone	
375	380	Shale	
		Total Gross Airlift Discharge - 18 GPM	
		From Bottom (Open Hole)	
		Total Airlift (Cased Well) - 17.1 GPM	
		Static Water Level - 58'	
		Total Drawdown While Pumping @ 14 GPM - 190'	
		Sustained Drawdown Level - 250' @ 14 GPM	

