TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

DESC 60066

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED
SEP 21 1973
STATE ENGINEER
SALEM, OREGON

State Well No. ~~19S/11E-31~~ 6

State Permit No. 205/10-23

(1) OWNER:

Name Stage Stop Inc.

Address 201 East 13th Eugene, Oreg. 97401

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:

Threaded [ ] Welded [X]

12 " Diam. from 0 ft. to 13 ft. Gage .250
8 " Diam. from +6" ft. to 141½ ft. Gage .250
6 " Diam. from 1ft 8" ft. to 180ft4" ft. Gage .188

(6) PERFORATIONS:

Perforated? [ ] Yes [X] No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [X] No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow 80 g.p.m.

Temperature of water 46 Depth artesian flow encountered 255 ft.

(9) CONSTRUCTION:

Well seal—Material used Cement slurry & 3% Bentonite

Well sealed from land surface to 250 ft.

Diameter of well bore to bottom of seal 8 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 68 sacks

Number of sacks of bentonite used in well seal 2 sacks

Brand name of bentonite Lava Jell

Number of pounds of bentonite per 100 gallons of water

Cement shoe on 6" casing and 8"

lbs./100 gals.

Was a drive shoe used? [X] Yes [ ] No Plugs Size: location ft.

Did any strata contain unusable water? [X] Yes [ ] No

Type of water? Surface depth of strata 6 to 12 ft.

Method of sealing strata off Cement & casing

Was well gravel packed? [ ] Yes [X] No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number

¼ NW ¼ Section 31 T. 19S R. 11E W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 6 ft.

Static level ft. below land surface. Date

Artesian pressure 7 lbs. per square inch. Date 9/8/73

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 272 ft. Depth of completed well 272 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Pumice	0	6	
Fine gravel	6	12	
Grey clay	12	20	
Black sand	20	24	
Grey clay	24	30	
Sand & gravel	30	33	
Grey clay	33	75	
Green clay	75	115	
Black sand	115	129	
Green clay	129	135	
Black sand	135	140	
Green clay	140	170	
Grey clay	170	255	
Sand, gravel	255	256	+ 15
Grey clay	256	272	
Metal plate welded between between 6" & 8" casing.			
6" gate valve & pressure guage installed on 6" casing			

Work started 6/14/73 19 Completed 9/8/73 19

Date well drilling machine moved off of well 9/11/73 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] William O'Dwyer (Drilling Machine Operator) Date 9-19, 19 73

Drilling Machine Operator's License No. 400

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Reed's Well Drilling (Person, firm or corporation) (Type or print)

Address Rt. 2 Box 1573 A, Bend, Oreg

[Signed] Lloyd Reed (Water Well Contractor)

Contractor's License No. 444 Date 9/18/73, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

Explanation of Well Construction For Stage Stop Inc.

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Drawing Included:

A 12" hole was drilled to a depth of 60 ft, and 13 ft. of 12" (.250) wall casing was installed.

A 8" hole was drilled to a depth of 141½ ft, with 142 ft. of 8" (250) wall casing being installed. As we proceeded with the 8" drilling we encountered the artision flow at 255 ft. The water was in gravel between 255 and 256 ft. Temperature of water is 46 degrees.
The static water level was 15 ft. above ground level.
Aggregate was placed in the water bearing zone up to 250 ft.

2 ft. of 6" (.88 wall) casing was then installed, with Butler Larken # C-513 Float Shoe welded on the bottom.

Cement slurry with 3% bentonite with 135 Lbs pressure, was pumped down through two inch grout pipe. Sixty eight sacks of cement being used, till came back up to the surface between the 6" and 8" casings.

Cement slurry was also placed between the 8" and 12" casings.

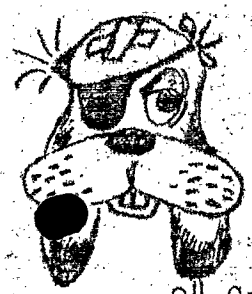
After grouting, the 2" pipe was removed out of the Larkin float shoe. After 90 hours, work was resumed to drill out the cement.

A 6" gate valve and pressure guage was installed on the casing above the ground, with 7 lbs pressure.

There was a metal plate welded between the 6" and 8" casings.

Legal discription of well:
__ ¼ NW ¼ Section 31 T 19 S R. 11 E W.M.

REED'S WELL DRILLING
Route 2 Box 1573 A
end, Oregon
Lloyd Reed #43
Lloyd Reed
Date 9-16-73



REED'S WELL DRILLING
RTE. 2, BOX 1573-A
BEND, OREGON 97701

12" Casing
(.250 wall)

12" Hole

Cement

60'

Cement

6" Casing
(.188 wall)

8" casing
(.250 wall)

No Scale	Detail of well for Stage Stop Inc. 18 Mi. south of Bend.
9/18/73	NW ¼ Sec 31 T 19-S
SR	RANGE 11-E

141½ 8" hole

8" Drive Shoe

2" Grout Pipe

C-513 Float Shoe
"Butler Larkin"

180'6"

Cement

Cement

Aggregate
Packer

Water Bearing