

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

WATER WELL REPORT

RECEIVED JUL 15 1968

STATE OF OREGON

State Well No. 35/6w-9 bdd

STATE ENGINEER, SALEM, OREGON 97310

within 30 days from the date of well completion. (Please type or print) Do not write above this line

STATE ENGINEER SALEM, OREGON

G-4764 G-4115

State Permit No.

(1) OWNER:

Name Bureau of Land Management Address P.O. Box 3861, Portland

(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 [x] Driven [ ] Cable [ ] Jetted [ ] Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

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

CASING INSTALLED:

Threaded [ ] Welded [ ]

8" Diam. from +1 ft. to 150 ft. Gage 1270

PERFORATIONS:

Perforated? [x] Yes [ ] No.

Type of perforator used Torch Size of perforations 1/8 in. by 14 in. 26 perforations from 119 ft. to 149 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [x] No

Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 15 ft. below land surface Date 6-28-68 Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [x] No If yes, by whom? 1st: gal./min. with ft. drawdown after hrs.

Bailer test 220 gal./min. with 116 ft. drawdown after 1 1/2 hrs. Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? [ ] Yes [x] No

(10) CONSTRUCTION:

Well seal—Material used Bentonite Depth of seal 21 ft. Diameter of well bore to bottom of seal 12 in. Were any loose strata cemented off? [ ] Yes [x] No Depth Was a drive shoe used? [ ] Yes [x] No Did any strata contain unusable water? [x] Yes [ ] No Type of water? depth of strata 16' Method of sealing strata off steel packer ring Was well gravel packed? [ ] Yes [x] No Size of gravel: Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Josephine Driller's well number SE 1/4 NW 1/4 Section 9 T. 35S R. 6W W.M.

Bearing and distance from section or subdivision corner South 1700 ft 2800 ft west east from the north west corner of section 9

(12) WELL LOG:

Diameter of well below casing 0

Depth drilled 150 ft. Depth of completed well 150 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 as drilling proceeds. Note drilling rates.

Table with columns: MATERIAL, From, To, SWL. Rows include soil-brown, granite-brown, decomposed, clay-sandy, granite-brown, granite-grey, broken, granite-grey, granite-broken, granite-grey, granite-broken, granite-grey, granite-pink, broken, granite-green, granite-blue.

Work started 6-26 1968 completed 6-28 1968 Date well drilling machine moved off of well 6-28 1968

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] Charles Chitawa Date 7-5, 1968 (Drilling Machine Operator)

Drilling Machine Operator's License No. 344

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 Crater Well Drilling, Inc. (Person, firm or corporation) (Type or print)

Address 1923 Delta Waters Rd. Medford

[Signed] P.A. Chitawa (Water Well Contractor)

Contractor's License No. 43 Date 7-5, 1968

G-4115  
G-4764

35/6w-9 bdd  
Josephine

**RECEIVED**  
AUG 26 1968  
**STATE ENGINEER**  
SALEM OREGON

Contract #14-11-0001-4228  
Merlin Well Drilling & Casing  
Change Order No. 1  
July 23, 1968

Contractor:

Crater Well Drilling, Inc.  
1923 Delta Waters Road  
Medford, Oregon 97501

Item No. 3 b

Test to full capacity of 8" well.

The following test was conducted on August 2, 1968, by the above contractor, with subcontractor, Pump Center Inc., Klamath Falls, Oregon, furnishing the testing equipment:

1. Turbin Pump (Layne & Bowler) (300 G.P.M. capacity)
2. Diesel Engine, 6 cylinder, 50 H.P. Hercules, 1 to 2 Gearhead.

Pump installed into 8" well at 137 foot level. Started pumping at 8:52 A.M.

Static water level 17' 0".

<u>Time</u>	<u>Water Temp.</u>	<u>Water Level</u>	<u>Draw-Down</u>	<u>Average Gals. Per Min.</u>
8:25		Began testing.		
8:55		55'	38'	
9:02		54'	37'	135 <sup>±</sup>
9:06	53°	53'	36'	100
9:21		53'	36'	100
9:35		53'	36'	100
9:41		93'	76'	175 <sup>±</sup>
9:51	51°	95'	78'	
10:00		98'	81'	175 <sup>±</sup>
10:15		99'	82'	
10:30		99'	82'	175 <sup>±</sup>
10:45		100'	83'	
11:00		101'	84'	175 <sup>±</sup>
11:00		Started maximum draw down.		
11:24		Engine Stopped.		
11:26		Resumed pumping.		
11:45		94'	77'	
12:00		94'	77'	

This diesel engine unable to produce any additional horsepower, to pull the well down any lower. Contractor shut down; trying to locate a larger engine.

*R. A. Gennings*  
R. A. Gennings, Inspector

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**Contractor:**

Crater Well Drilling Inc.  
1923 Delta Waters Road  
Medford, Oregon 97501

**Subcontractor:**

Pump Center, Inc.  
Klamath Falls, Oregon 97601

Item No. 3b

Test to full capacity 8" well.

Continuation of test performed August 2, 1968.

**Equipment:**

1. Turbin pump 300 gal. capacity
2. 50 H.P. Hercules Diesel Engine

It was previously determined that engine would not produce H.P. equivalent to test well to full capacity. A second power plant was tried, but the contractor could not start it. The turbin pump was then pulled and two impellers were taken off, which then made the pump a two stage pump. This proved to be sufficient to pump well using the previously used diesel engine.

<u>Time</u>	<u>Water Level</u>	<u>Draw-Down</u>	<u>Average Gals. Per Min.</u>
7:15	began pumping	17' static level	
7:36	92'		300+
	Pump to full capacity		
	Stopped to repair pump head		
8:20	106'	89' falling	300+
8:35	139'	122'	300+
	pumping full capacity of well		
	breaking suction and blowing air		
	pump slowed to let water stabilize		
8:52	still pumping air; slowed engine more.		
9:20	139'	122'	water stabilized at 200± gals.

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STATE ENGINEER  
GALLUM OREGON

<u>Time</u>	<u>Water Level</u>	<u>Draw Down</u>	<u>Average Gals. per Min.</u>
9:30	139'	122'	200±
9:40	139'	122'	200±
9:50	139'	122'	200±
10:00	139'	122'	200±
10:10	139'	122'	200±

At 10:15 pump was operated wide open to determine time to break suction.  
In three seconds suction was broke and pump had been producing full  
capacity of well, which is 200 gallons ± ten gallons.

Robert A. Gennings  
~~XXXXXXXXXXXXXXXXXXXX~~ Inspector 1  
Robert A. Gennings,