

WATER WELL REPORT

STATE OF OREGON

JUL 25 1991

HARN 1880

RECEIVED

MAY 28 1991

State Well No.

start card # W 15491

WATER RESOURCES DEPT.

SALEM, OREGON

(1) OWNER: WATER RESOURCES DEPT.

Name Oregon End Ranch - Jere Huggins

Address P. O. Box 103

City Denio, NV 89404

State

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Reverse

Rotary Air ☒ Driven ☐Rotary Mud ☐ Dug ☐Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐Irrigation ☒ Test Well ☐ Other ☐Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED: (See attached sheet)

" Diam. from ft. to ft. Gauge

" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ 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 ☐ 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

Riverside
Parma, IDWas a pump test made? ☒ Yes ☐ No If yes, by whom?

Yield: 1200 gal./min. with 187 ft. drawdown after 5 hrs.

Air test gal./min. with drill stem at ft. hrs.

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

Artesian flow g.p.m.

Temperature of water 61° Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes ☐ No ☐

Well seal—Material used Bentonite

Well sealed from land surface to 18 ft.

Diameter of well bore to bottom of seal 28 in.

Diameter of well bore below seal 28 in.

Number of sacks of cement used in well seal sacks

How was cement grout placed?

Was pump installed? Type HP Depth ft.

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.Did any strata contain unusable water? ☐ Yes ☐ No

Type of Water? depth of strata

Method of sealing strata off

Was well gravel packed? ☒ Yes ☐ No Size of gravel: 3/8-

Gravel placed from 380 ft. to 18 ft.

(10) LOCATION OF WELL:

County Harney

Driller's well number

SW ¼ NW ¼ Section 1 T. 41S R. 33E W.M.

Tax Lot # 200 Lot Blk Subdivision

Address at well location: Oregon End Ranch

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level 51' ft. below land surface. Date 5/1/91

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well 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
Top Soil	0	1	
Caliche	1	3	
Gravel & Rock	3	9	
Clay	9	10	
Clay & Gravel	10	12	
Coarse Sand & Gravel	12	15	
Gritty Clay	15	28	
Coarse Sand & Sma. Gravel	28	32	
Fine Sand	32	35	
Fne. to crse. sand & Sm. Grav	35	45	
" " " & Lgr. Grav	45	53	
Med. to crse. sand & pea gravel w/clay mxd.	53	56	
Lt. Brn. Clay	56	58	
Fne. to crse. sand & sma. gravel	58	61	
" " " w/clay mxd.	61	65	
Fne. to crse. sand & sma. Gravel	65	73	
Fne./crse Sand-Lt. Brn. Clay (Mostly clay)	73	75	

Work started Mar. 20, 1991 Completed Apr. 3, 1991

Date well drilling machine moved off of well 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] *Frank C. Huggins* Date, 19.....

WATERWELL CONSTRUCTOR 1342

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 Joe Jones-Pres.-PeteCope Drilling Co.

(Person, firm or corporation)

(Type or print)

Address 6505 West Chinden-Meridian, Idaho

[Signed] *Joe Jones* Joe Jones-Pres.

(Water Well Contractor)

1342 Date, 19.....

NOTICE TO WATER WELL CONTRACTOR

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

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310

within 30 days from the date of well completion.

SP*12658-690

HARN 1980
RECEIVED**WATER WELL REPORT**

STATE OF OREGON

JUL 25 1980

MAY 28 1991

WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 413/33E/1bd

State Permit No.

WATER RESOURCES DEPT.

(1) OWNER: SALEM, OREGON
Name Oregon End Ranch - Jere Huggins

Address

City State

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air ☐	Driven ☐	Domestic ☐	Industrial ☐	Municipal ☐
Rotary Mud ☐	Dug ☐	Irrigation ☐	Test Well ☐	Other ☐
Cable ☐	Bored ☐	Thermal: ☐	Withdrawal ☐	Reinjection ☐

(4) PROPOSED USE (check):

(5) CASING INSTALLED: Steel ☐ Plastic ☐
Threaded ☐ Welded ☐

" Diam. from ft. to ft. Gauge

" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☐ 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 ☐ 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 ☐ No If yes, by whom?

d: gal./min. with ft. drawdown after hrs.

Air test gal./min. with drill stem at ft. hrs.

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

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☐

Well seal—Material used

Well sealed from land surface to ft.

Diameter of well bore to bottom of seal in.

Diameter of well bore below seal in.

Number of sacks of cement used in well seal sacks

How was cement grout placed?

Was pump installed? Type HP Depth ft.

Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.Did any strata contain unusable water? ☐ Yes ☐ No

Type of Water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☐ No Size of gravel: ft.

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County

Driller's well number

Tax Lot # Lot Blk Subdivision

Address at well location:

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing ft.

Depth drilled ft. Depth of completed well 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
Bn Clay	189	195	
Bn clay w/fn sand	195	203	
Bn Clay w/fn to medSand	203	205	
" " " " "			
w/pea gvl	205	211	
Bn Clay	211	215	
" " w/sm fine sand	215	225	
Bn Clay mxd w/sm.sand & Gvl.	225	230	
Bn Clay	230	241	
Bn Sandstone	241	245	
Sandstone	245	249	
Fn/cse.sand w/sme peagvl	249	259	
Fn/cse.sand w/sme "			
w/clay mxd.	259	262	
Fn/Med.sand & Sandstone	262	265	
Fn Sand	265	267	
Fn/med sand w/sandstone & Siltstone	267	275	
Sand & Siltstone w/ clay	275	295	
w/in sand in places)			
Work started	19	Completed	19
Date well drilling machine moved off of well			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] Date, 19.....
(Drilling Machine Operator)

Drilling Machine Operator's License No.

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
(Person, firm or corporation) (Type or print)

Address

[Signed]
(Water Well Contractor)

Contractor's License No. Date, 19.....

NOTICE TO WATER WELL CONTRACTOR

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

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

SP*12658-690

WATER WELL REPORT

STATE OF OREGON JUL 25 1991

WATER RESOURCES DEPT.

SALEM, OREGON

WATER RESOURCES DEPT.

(1) OWNER:

Name Oregon End Ranch

Address

City

State

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air ☐ Driven ☐ Domestic ☐ Industrial ☐ Municipal ☐
 Rotary Mud ☐ Dug ☐ Irrigation ☐ Test Well ☐ Other ☐
 Cable ☐ Bored ☐ Thermal ☐ Withdrawal ☐ Reinjection ☐

(4) PROPOSED USE (check):

(5) CASING INSTALLED:

Steel ☐ Plastic ☐
 Threaded ☐ Welded ☐

"Diam. from ft. to ft. Gauge

"Diam. from ft. to ft. Gauge

LINER INSTALLED:

"Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ 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 ☐ 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 ☐ No If yes, by whom?

d: gal./min. with ft. drawdown after hrs.

" " " " " "

Air test gal./min. with drill stem at ft. hrs.

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

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes ☐ No ☐

Well seal—Material used

Well sealed from land surface to ft.

Diameter of well bore to bottom of seal in.

Diameter of well bore below seal in.

Number of sacks of cement used in well seal sacks

How was cement grout placed?

Was pump installed? Type HP Depth ft.

Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.Did any strata contain unusable water? ☐ Yes ☐ No

Type of Water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from ft. to ft.

NOTICE TO WATER WELL CONTRACTOR

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

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MAY 28 1991

State Well No.

State Permit No.

(10) LOCATION OF WELL:

County

Driller's well number

1/4

1/4 Section

T.

R.

W.M.

Tax Lot #

Lot

Blk

Subdivision

Address at well location:

(11) WATER LEVEL: Completed well.

Depth at which water was first found

ft.

Static level

ft. below land surface. Date

Artesian pressure

lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled

ft. Depth of completed well

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
Sandy Bn clay/sme sandstone	295	305	
Brn Clay	305	311	
Fne to med sand & sandstone	311	315	
Fne sandw/sm amt sandstone	315	319	
Fine Sand	319	321	
Fne to med. sand & sandstone mxd.	321	325	
Fne sand & sandstone	325	328	
Sandy Bn. Clay	328	335	
Bn Clay	335	342	
Fn/Md Snd w/sm amt Sandstone	342	345	
Fn/crse Sand w/ sm amt sandstone	345	347	
Fn snd w/sm amt clay & sandstone	347	361	
Fn Snd w/ Sandstone(soft)	361	375	
Soft Sandstone	375	380	

Work started	19	Completed	19
Date well drilling machine moved off of well			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] Date, 19.....
 (Drilling Machine Operator)

Drilling Machine Operator's License No.

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
 (Person, firm or corporation) (Type or print)

Address

[Signed]
 (Water Well Contractor)

Contractor's License No. Date, 19.....

HARN 1880

CASING & SCREEN SCHEDULE

OREGON END RANCH

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H/S/33E/16

MAY 28 1991

WATER RESOURCES DEPT.
SALEM, OREGON

16" .250 Casing

+2' - 110'
130' - 150'

16" .375 Casing

160' - 170'
190' - 250'
270' - 310'
320' - 340'
360' - 380'

16" Roscoe Moss Wirewrap Screens-.040

110' - 130'
150' - 160'
170' - 190'
250' - 270'
310' - 320'
340' - 360'

186" 6" Casing-Stock Well

5' - Johnson Stainless Steel .0350
5" Screen

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WATER RESOURCES DEPT.
SALEM, OREGON

HARN 1880

O R E G O N

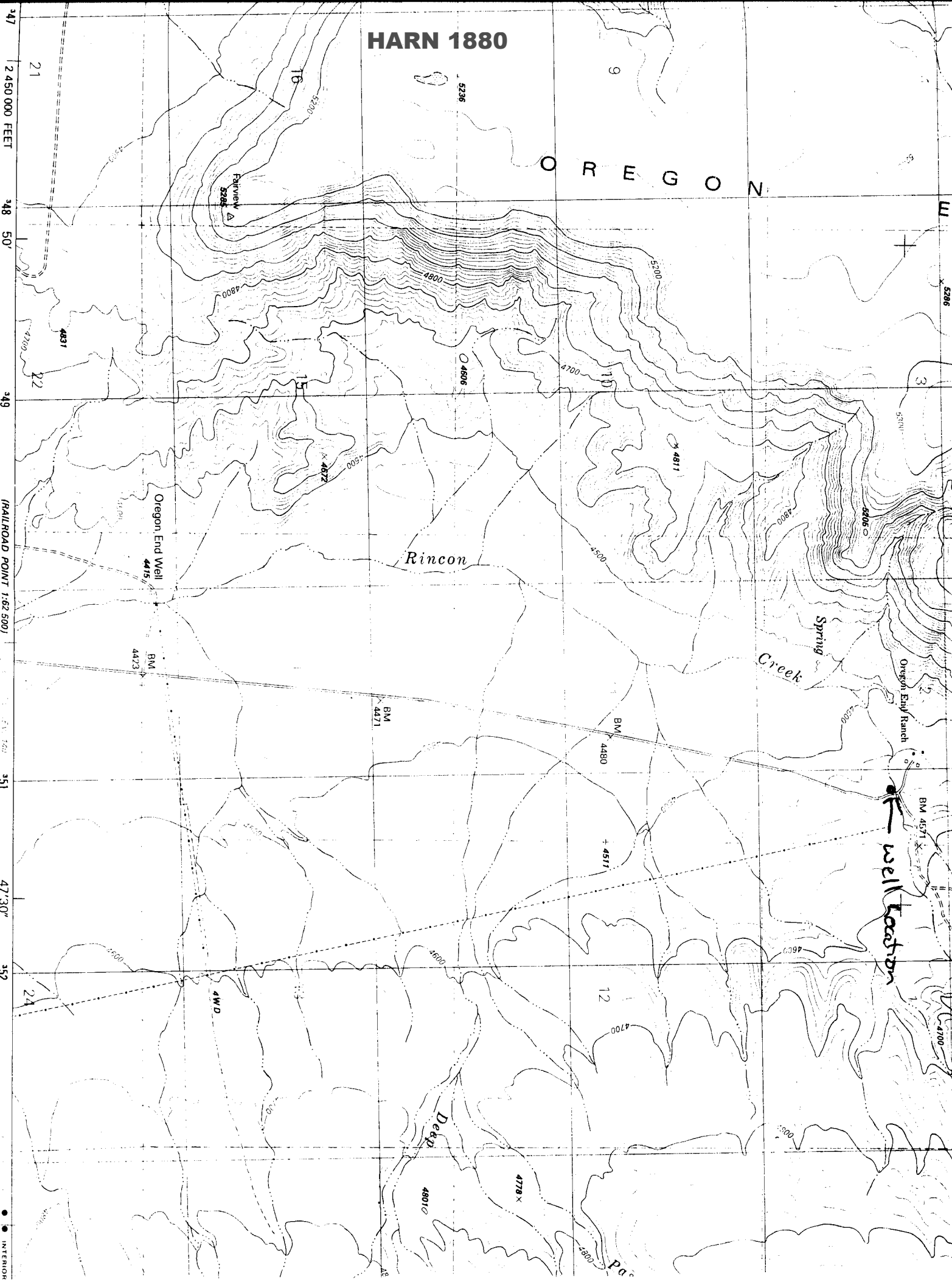
Rincon

Spring
Creek

Oregon End Ranch

Well Location

Deep



2450 000 FEET

348 50'

349

(RAILROAD POINT 1:62 500)

2287 IV

351

47'30"

352

INTERIOR

SCALE 1:24 000

1 MILE