

# UMAT 55954

Union Pacific, Meacham  
 Well name \_\_\_\_\_  
 Index number -- 48-J  
 18-35E-3F  
 File number \_\_\_\_\_  
 (Code: Tp., R., Sec., & Sec.)

15/35E-10 NE 1/4 of NW 1/4.

**LOCATION:**

Umatilla \_\_\_\_\_ County

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Unmapped \_\_\_\_\_ Quadrangle \_\_\_\_\_  
 18 35E 10 NE NW - per final proof  
 Tp. Range Section Fractional section cert. 15524  
 SW 1/4 of SW 1/4 on permit U-183

**STATISTICS:**

Well type-Dug \_\_\_\_\_ Elevation (land surface) \_\_\_\_\_ ft. Use status-domestic\* \_\_\_\_\_ Well status-  
 Drilled  above \_\_\_\_\_ industrial  abandoned \_\_\_\_\_  
 Driven \_\_\_\_\_ below \_\_\_\_\_ irrigation \_\_\_\_\_ dry hole \_\_\_\_\_  
 Final depth 279' \_\_\_\_\_ municipal \_\_\_\_\_ producer   
 \*includes stock wells

Union Pacific Railroad \_\_\_\_\_ A. A. Durand & Son \_\_\_\_\_  
 Owners name \_\_\_\_\_ Original drillers name \_\_\_\_\_  
 Address Omaha, Nebraska \_\_\_\_\_ Address Walla Walla, Washington \_\_\_\_\_  
 Date of drilling Winter 1943-44

This record compiled by N.S.W. \_\_\_\_\_ from \_\_\_\_\_  
 data secured from the following sources: \_\_\_\_\_  
 Mr. Cole, U. P. Geologist

Date compiled October 1944 \_\_\_\_\_ Date \_\_\_\_\_

Material	Thickness (feet)	Depth (feet)	Remarks
Top soil	3	3	Artesian flow 25 g.p.m. Pumps 314 g.p.m.
Top soil and boulders	10	13	Bottom 20" casing at -11.5'
Black basalt	5	18	
Black basalt with clay seams	10	28	Small stata H <sub>2</sub> O at -28
Black basalt	16	44	
Blue clay	2	46	
Lava sand	14	60	Water raised to top of pipe
Disintegrated lava and clay	3	63	Flow 22.5 g.p.m. at -63'
Lava sand	12	75	Flow 35 g.p.m. at -68' later decreased to 25 g.p.m.
Black basalt, solid	5	80	
Black basalt, seams	5	85	
Black basalt, solid	10	95	
Black basalt, seams	3	98	
Black basalt, solid	10	108	
Gray basalt, solid	8	116	
Gray basalt mixed with lava			
cinders and blue clay	6	122	
Black basalt mixed with lava			
cinders and blue clay	5	127	Bottom 16" casing at -125.1
Black basalt, some lava cinders			
mixed thru rock	19	146	
Black basalt, very hard	31	177	
Black rock mixed with blue clay	12	189	
Basalt - hit small crevice			
fitted with blue clay at -219'	68	277	
Shattered basalt and blue clay	2	279	
			Hole started caving at -279'. Final depth hole when cleaned out after pumping test, -278'. Pumps 314 g.p.m. in practice with pumping head of -24.4'.

Well log from  
 Wagner, N.S., 1949,  
 Ground-Water Studies  
 in Umatilla and  
 Morrow Counties;  
 Oregon Dept. of Geol.  
 and Mineral Industries.

This is the Meacham  
 well listed on  
 certificate 15524  
 per information in  
 file U-202.

60' K.C. Wozniak

Start date: Aug. 31, 1943  
 Compl. date: July 30, 1944

16" steel casing  
 fr +2 - 126 ft.