

County: Humphreys
 Permit #: MS-GW-48765
 Driller: Tommy Peacock
 Date drilling completed: 5/6/15

**State Well Report
 Part 1 - Driller's Log**

Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 10631
 Jackson, MS 39289-0631
 (601)961-5210
 (601)354-6938 (fax)

For Office Use Only:
 Aquifer: _____
 Well #: 5162
 L. S. Elevation: _____
 E-log #: _____

State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.

Information on Well Owner (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Peeco Partnership</u>	Latitude: <u>33° 4' 55.34"</u> Longitude: <u>90° 30' 56.21"</u>
Mailing Address: <u>P.O. Box 130</u>	Method of Lat/Long (circle one): Conventional Survey, <u>Hand-held GPS</u> , Survey-grade GPS
<u>Silver City</u> MS <u>39166</u>	USGS quad: <u>SE 1/4 SW 1/4 Sec 04 Twn 14N Rng 03W</u>
City State Zip Code	Distance: <u>2</u> Miles <u>SW</u> of <u>Silver City, MS</u>
Telephone No. <u>(662) 247-5648</u>	

Well / Borehole Data

Date drilling started: 5/6/15 Date drilling completed: 5/6/15 Hole depth: 115' Hole diameter: 22"

Location of the source of any surface water used for drilling: 1 mile west of well site

Method of dosing and volume of Chlorine used in drilling and development: Chlorinated in tanker

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): _____

Purpose of borehole (check one): Water Well Geotechnical/Geological Investigation _____ Ground Source Heat Pump _____

Seismic Survey _____ Other (describe) _____

If drilling is not related to water well construction, skip the remainder of this block

Purpose of Well (check one): Home _____ Industrial _____ Public Supply _____ Irrigation Fish Culture _____ Other: _____

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: _____ feet above or below (circle one) land surface Date measured: _____

Method of Measurement (circle one) steel tape electric tape air line other: _____

Well depth: 115 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 75 feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: .032 inches Setting depth: From 75 feet to 115 feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development

Other (describe): _____

Top of lap pipe or reduction in casing: _____ feet. *If telescoped or more than one screen, describe on next page*

Form: OLWR-SWR-1
RECEIVED
 MAY 18 2015
 BY: OLWR

The sketch below only required for water wells

If well telescopes, show depths on sketch

Ground Level →

Top Soil & clay	15'
Clay	30'
sand / clay mix	20'
Coarse & gravel	50'

Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth)	To (depth)
top soil & clay	Ground Level	15
clay	15	45
sand/clay mix	45	65
coarse & gravel	65	115

If more than one screen, show location of each on sketch

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.

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Landowner Name: _____

Form: OLWR-SWR-1A (04/08)

I certify that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

Tommy Raccock Lic#-3409 5/11/15
 Print Name of Responsible Licensee and License No. Date

Tommy Raccock
 Signature of Licensee

J162



Google

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Bellwood

GW-48765

Maverick Rd

149

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BY: OLWR

Imagery Date: 11/23/2012 33904539.76 N 9093052.07 W elev: 110ft

1996

well #1

J/162

STATE OF MISSISSIPPI
Department of Environmental Quality
Office of Land and Water Resources
P. O. Box 2309
Jackson, Mississippi 39225

PERMIT

TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

Permit Number: MS-GW-45765

Landowner Name: PEBCO PARTNERSHIP

**Landowner Address: PO BOX 130
SILVER CITY MS 39166**

Source Of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: SE 1/4 of the SW 1/4 Section: 04 Township: 14N Range: 03W

County: HUMPHREYS

Quad: MIDNIGHT

Maximum Volume: 329 Acre-Foot/Year equivalent to .2937 Million Gallons/Day

Maximum Rate: 2500 Gallons/Minute

Applicant Name: PEBCO PARTNERSHIP

**Applicant Address: PO BOX 130
SILVER CITY MS 39166**

Date Permit issued: 03/18/2015

Date Permit Expires: 03/18/2020

Date Permit Modified:

Date Permit Re-issued:

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

SPECIAL TERMS AND CONDITIONS:

SPECIAL TERMS AND CONDITIONS 2: SEE ATTACHMENT 1, WHICH IS HEREBY DECLARED TO BE PART OF THIS PERMIT.

Kay Whittington RECEIVED

MAY 18 2015

Kay Whittington
Office Director

BY: OLWR

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT
NO. 1000

The following table shows the results of the experiments conducted on the reaction of the various compounds with the reagent. The data are given in the form of a table with columns for the compound, the reagent, and the observed reaction. The results are as follows:

Compound	Reagent	Reaction
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102

The above results show that the reaction of the various compounds with the reagent is highly dependent on the nature of the compound and the reagent used. The data are given in the form of a table with columns for the compound, the reagent, and the observed reaction.

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31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
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