

Ferrest

County: Hattisburg  
 Permit #: \_\_\_\_\_  
 Driller: Darryl  
 Date drilling completed: \_\_\_\_\_

**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 #: A101  
 L.S. Elevation: \_\_\_\_\_  
 B-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.

<p><b>Information on Well Owner</b>          (Landowner if borehole is not for a water well)          Project Name: _____          Owner Name: <u>Denbury Resources</u>          Mailing Address: <u>175 CR 359</u>  <u>Heidelberg</u>  <u>MS</u>          City State Zip Code          Telephone No. ( ) _____</p>	<p><b>Well or Borehole Location</b>          Lat/Long: <u>31° 22' 23.5"</u> <u>89° 21' 51.4"</u>          Method of Lat/Long (circle one): <u>Hand-held GPS</u> Conventional Survey, Survey-grade GPS          UGCS quad: <u>SW 1/4 Sec 24 Twp 5N Rng 14W</u>          Distance Direction Nearest Town  <u>0</u> Miles of <u>Hattisburg</u></p>
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**Well / Borehole Data**

Date drilling started: 3-9-09 Date drilling completed: 6-3-09 Hole depth: 270 Hole diameter: 4 3/4

Location of the source of any surface water used for drilling: City water  
 Method of dosing and volume of Chlorine used in drilling and development: N/A

Logs run (circle all applicable): No log run Electric Gamma Ray Density Scale Neutron Other: \_\_\_\_\_  
 Name of organization running log(s): N/A

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

Casing length: \_\_\_\_\_ feet Casing diameter: \_\_\_\_\_ inches Type of casing: \_\_\_\_\_

Screen length: \_\_\_\_\_ feet Screen diameter: \_\_\_\_\_ inches Type of screen: \_\_\_\_\_

Screen slot size: \_\_\_\_\_ inches Setting depth: From \_\_\_\_\_ feet to \_\_\_\_\_ 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)*

APR-20-08 08:58

FROM-LAND & WATER

801-954-8938

T-544 P.09

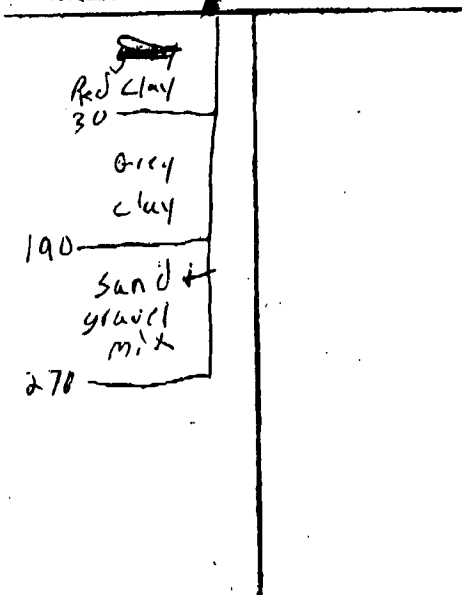
F-442

A1C1

The sketch below only required for water wells.

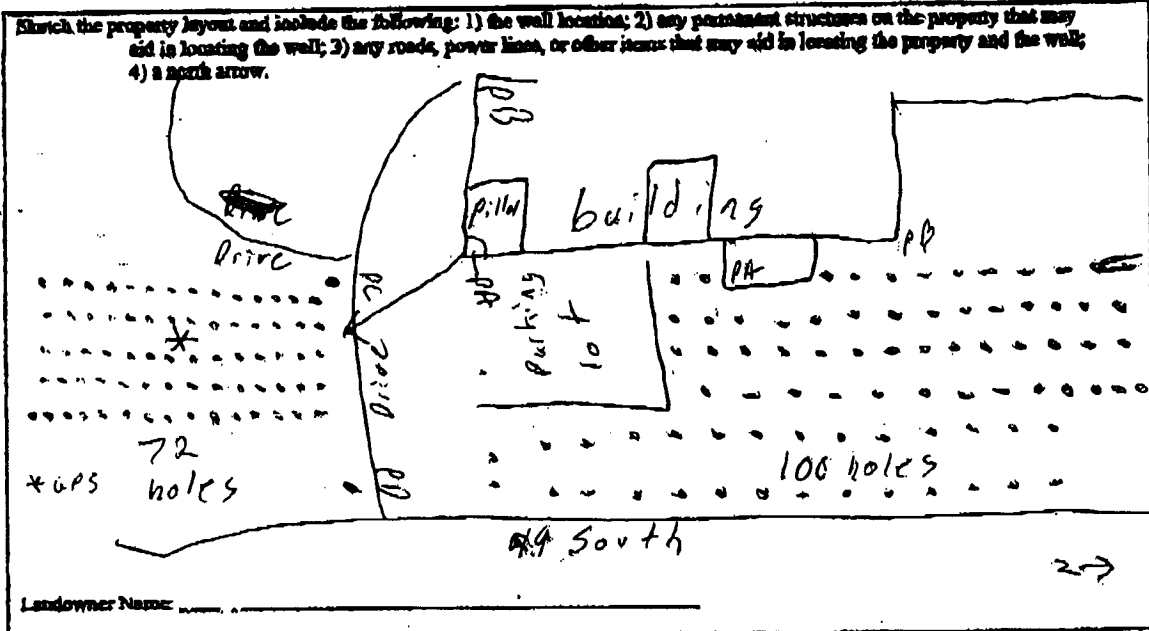
Description of formations encountered must be recorded for all wells and boreholes unless specifically exempt by regulations

If well screens, show location on sketch  
Ground Level



Description of Formations Encountered	From (depth)		To (depth)	
	Ground Level			

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



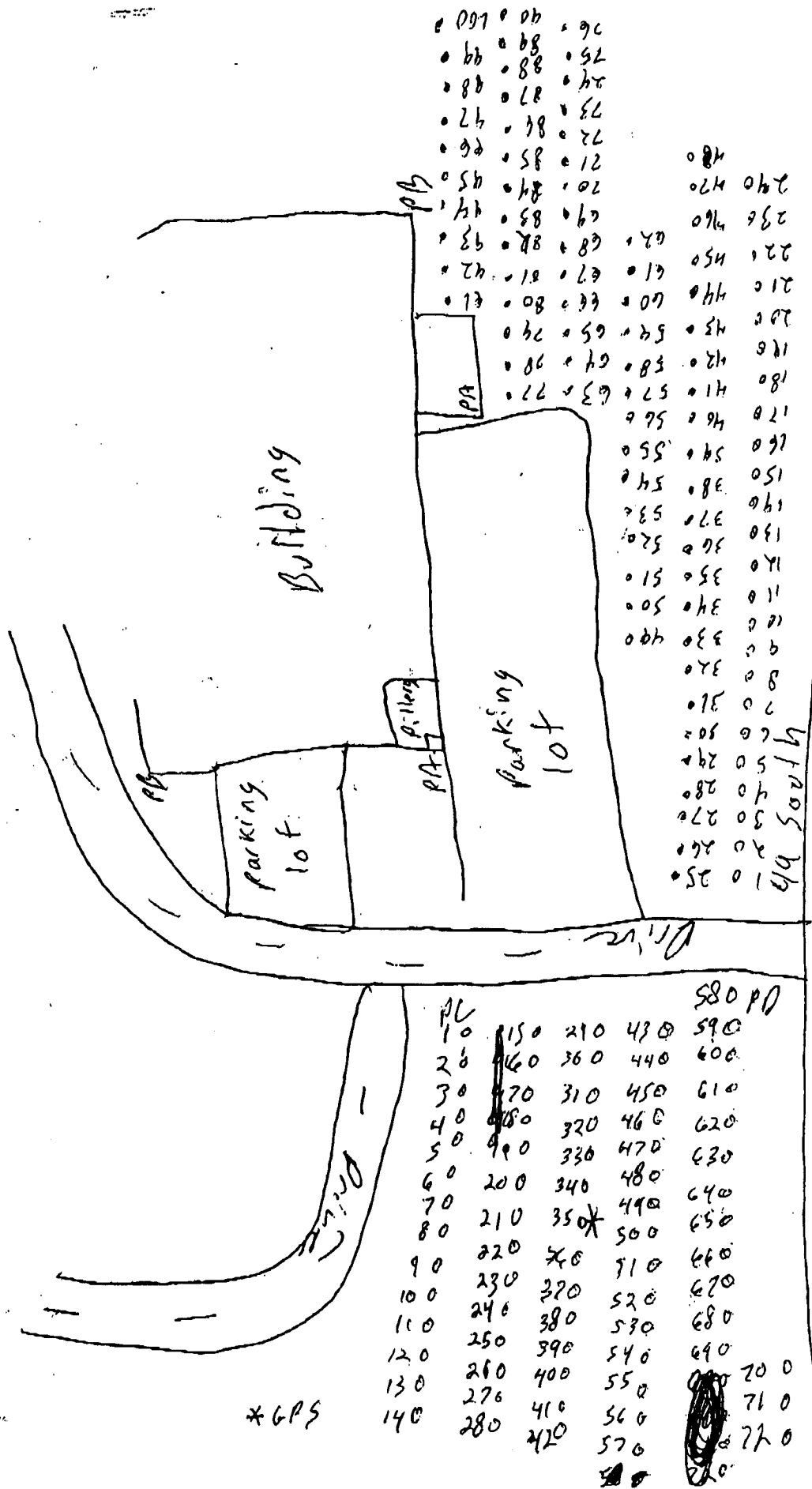
Form: OLWR-SWR-1A

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.

Fred Danforth 0-69861 6-12-09  
Print Name of Responsible Licensee and License No.      Date

[Signature]  
Signature of Licensee

Hattiesburg



10	25
20	30
30	35
40	40
50	45
60	50
70	55
80	60
90	65
100	70
110	75
120	80
130	85
140	90
150	95
160	100
170	105
180	110
190	115
200	120
210	125
220	130
230	135
240	140
250	145
260	150
270	155
280	160
290	165
300	170
310	175
320	180
330	185
340	190
350	195
360	200
370	205
380	210
390	215
400	220
410	225
420	230
430	235
440	240
450	245
460	250
470	255
480	260
490	265
500	270
510	275
520	280
530	285
540	290
550	295
560	300
570	305
580	310
590	315
600	320
610	325
620	330
630	335
640	340
650	345
660	350
670	355
680	360
690	365
700	370
710	375
720	380
730	385
740	390
750	395
760	400
770	405
780	410
790	415
800	420
810	425
820	430
830	435
840	440
850	445
860	450
870	455
880	460
890	465
900	470
910	475
920	480
930	485
940	490
950	495
960	500
970	505
980	510
990	515
1000	520
1010	525
1020	530
1030	535
1040	540
1050	545
1060	550
1070	555
1080	560
1090	565
1100	570
1110	575
1120	580
1130	585
1140	590
1150	595
1160	600
1170	605
1180	610
1190	615
1200	620
1210	625
1220	630
1230	635
1240	640
1250	645
1260	650
1270	655
1280	660
1290	665
1300	670
1310	675
1320	680
1330	685
1340	690
1350	695
1360	700
1370	705
1380	710
1390	715
1400	720
1410	725
1420	730
1430	735
1440	740
1450	745
1460	750
1470	755
1480	760
1490	765
1500	770
1510	775
1520	780
1530	785
1540	790
1550	795
1560	800
1570	805
1580	810
1590	815
1600	820
1610	825
1620	830
1630	835
1640	840
1650	845
1660	850
1670	855
1680	860
1690	865
1700	870
1710	875
1720	880
1730	885
1740	890
1750	895
1760	900
1770	905
1780	910
1790	915
1800	920
1810	925
1820	930
1830	935
1840	940
1850	945
1860	950
1870	955
1880	960
1890	965
1900	970
1910	975
1920	980
1930	985
1940	990
1950	995
1960	1000
1970	1005
1980	1010
1990	1015
2000	1020
2010	1025
2020	1030
2030	1035
2040	1040
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2060	1050
2070	1055
2080	1060
2090	1065
2100	1070
2110	1075
2120	1080
2130	1085
2140	1090
2150	1095
2160	1100
2170	1105
2180	1110
2190	1115
2200	1120
2210	1125
2220	1130
2230	1135
2240	1140
2250	1145
2260	1150
2270	1155
2280	1160
2290	1165
2300	1170
2310	1175
2320	1180
2330	1185
2340	1190
2350	1195
2360	1200
2370	1205
2380	1210
2390	1215
2400	1220
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2470	1255
2480	1260
2490	1265
2500	1270
2510	1275
2520	1280
2530	1285
2540	1290
2550	1295
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2580	1310
2590	1315
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2670	1355
2680	1360
2690	1365
2700	1370
2710	1375
2720	1380
2730	1385
2740	1390
2750	1395
2760	1400
2770	1405
2780	1410
2790	1415
2800	1420
2810	1425
2820	1430
2830	1435
2840	1440
2850	1445
2860	1450
2870	1455
2880	1460
2890	1465
2900	1470
2910	1475
2920	1480
2930	1485
2940	1490
2950	1495
2960	1500
2970	1505
2980	1510
2990	1515
3000	1520

\*GPS

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AICI

# Point A Measurements

AICI

	255	21	<del>204</del>	41	128	61	222	81	59
	238	22	220	42	143	62	237	82	25
	220	23	237	43	159	63	62	83	93
	203	24	252	44	172	64	57	84	113
	187	25	247	45	192	65	56	85	136
	171	26	229	46	211	66	61	86	154
	157	27	211	47	230	67	72	87	174
	144	28	194	48	242	68	87	88	190
	132	29	175	49	78	69	103	89	211
	122	30	159	50	23	70	114	90	228
	116	31	144	51	23	71	144	91	35
	112	32	129	52	77	72	160	92	17
	113	33	115	53	90	73	181	93	49
	148	34	107	54	101	74	246	94	68
	193	35	94	55	116	75	215	95	89
	<del>134</del>	36	92	56	131	76	231	96	109
	<del>143</del>	37	91	57	146	77	249	97	128
	<del>158</del>	38	85	58	162	78	35	98	149
	<del>122</del>	39	104	59	182	79	34	99	172
	<del>157</del>	40	115	60	205	80	44	100	197

## Point B Measurements

	458	21	132	41	176	61	91	81	129
2	440	22	131	42	156	62	91	82	160
3	420	23	131	43	143	63	259	83	141
1	398	24	130	44	133	64	241	84	123
5	378	25	471	45	122	65	227	85	101
2	357	26	450	46	113	66	204	86	86
7	338	27	428	47	111	67	186	87	80
1	318	28	409	48	111	68	167	88	60
7	298	29	390	49	265	69	149	89	52
2	280	30	369	50	247	70	132	90	51
1	271	31	351	51	228	71	106	91	253
2	262	32	330	52	209	72	97	92	230
3	245	33	312	53	194	73	85	93	174
1	229	34	292	54	175	74	77	94	155
5	213	35	269	55	158	75	72	95	134
6	198	36	259	56	143	76	70	96	116
7	183	37	236	57	129	77	260	97	96
8	170	38	219	58	114	78	237	98	77
1	257	39	202	59	205	79	218	99	56
0	147	40	182	60	61	80	199	100	44

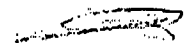
AICI

# Point C Measurements

15	21	138	41	273	42	112' 6"
36	22	160	42	289	43	126' 5"
57	23	180	43	20	44	140' 7"
77	24	198	44	73	45	157' 10"
97	25	219	45	82	46	174' 9"
117	26	237	46	97	47	192' 6"
136	27	254	47	112	48	210' 5"
156	28	275	48	128	49	229' 1"
176	29	55	49	146	50	247ft 10in
199	30	68	50	163	51	285ft
215	31	84	51	182' 8"	52	302ft
236	32	101	52	203'	53	319ft
258	33	118	53	220' 4"		
272	34	136	54	238' 4"		
32	35	149	55	258' 7"		
45	36	174	56	278' 8"		
63	37	194	57	296' 7"		
82	38	213	58	89' 1"		
101	39	233	59	93' 3"		

PA  
PB

AICI



# Point D Measurements

85	20	134	51	234	58	13		
91	21	150	40	253	58	32		
102	22	170	49	273	60	52		
115	23	190	42	290	61	72		
129	24	208	43	304	62	92		
145	25	228	44	319	63	110		
161	26	246	45	333	64	132		
179	27	266	46	344	65	151		
196	28	282	47	354	66	171		
214	29	302	48	363	67	192		
232	30	322	49	372	68	211		
252	31	343	50	381	69	232		
270	32	360	51	390	70	252		
286	33	377	52	400	71	272		
305	34	396	53	410	72	308		
323	35	412	54	420				
342	36	428	55	430				
361	37	444	56	440				
380	38	460	57	450				

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