

C 1 7458

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A522884

1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY
DATE RECEIVED
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
04 30 09

Depth of Well
22 4 @ 300' 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-95-1757
28 29 30 31 32 33 34 35 36 37

OWNER Berndt Jim
STREET OR RFD 6289 Hidden Clearing TOWN Columbia 21045
SUBDIVISION Dvshn Prop (Huntbrook th) SECTION _____ LOT _____

WELL LOG			
Not required for driven wells			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
1st Bore Brown Shale Granite → 56PM	0 40	40 300	✓
2nd Bore Brown Shale Granite → 5 GPM	0 50	50 300	✓
3rd Bore Brown Shale Granite → 56PM	0 45	45 300	✓
4th Bore Brown Shale Granite → 56PM	0 50	50 300	✓

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 84 NO. OF POUNDS 7200

GALLONS OF WATER 1344

DEPTH OF GROUT SEAL (to nearest foot)
from 0 TOP 52 ft. to 300 BOTTOM 58 ft.
(enter 0 if from surface)

CASING RECORD

caseing types insert appropriate code below

ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE _____

Nominal diameter top (main) casing (nearest inch) _____

Total depth of main casing (nearest foot) _____

60 61 63 64 66 70

OTHER CASING (if used)

diameter inch _____ depth (feet) from _____ to _____

A C H C A S I N G

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL BR BRASS BRONZE HO OPEN HOLE
 PL PLASTIC OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes no

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MSD 170
Darryl W. Hoff
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSD 31
Robert J. Hill

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)

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
650																																																																																																			

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (NEAREST INCH)
56 _____ 60 _____
from _____ to _____

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) _____ W Q _____

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING _____ LOG INDICATOR _____ OTHER DATA _____

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) _____

PUMPING RATE (gal. per min.) 5
11 _____ 15 _____

METHOD USED TO MEASURE PUMPING RATE _____

WATER LEVEL (distance from land surface)

BEFORE PUMPING _____ ft.
17 _____ 20 _____

WHEN PUMPING _____ ft.
22 _____ 25 _____

TYPE OF PUMP USED (for test)

A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 _____

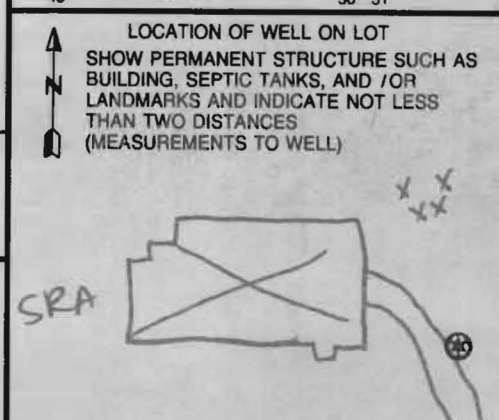
CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____ 31 _____ 35 _____

PUMP HORSE POWER _____ 37 _____ 41 _____

PUMP COLUMN LENGTH (nearest ft.) _____ 43 _____ 47 _____

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } 650 LAND SURFACE
 - below } 650 (nearest foot)



B 1 5693

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-1757
fill in this form completely

5363845

530969 please print or type

Date Received (APA) 4/15/09
8 MM DD YY 13

OWNER INFORMATION

Berndt Last Name
Jim Owner First Name
6289 Hidden Clearing Street or RFD
Columbia MD 21045 Town State Zip

B 3 LOCATION OF WELL

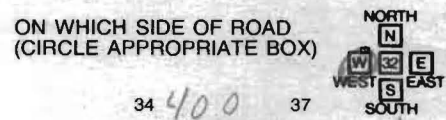
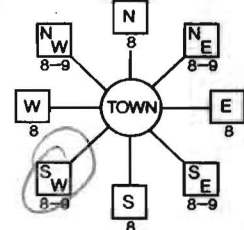
Howard County COUNTY
Dustin Prof SUBDIVISION
SECTION 44 LOT 48
Fulton NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 1

DRILLER INFORMATION

Gary W Shuff Driller's Name
M S D 170 License No.
H H Well Drilling Firm Name
P O Box 318 Clear Spring MD 21722 Address
Gary W Shuff Signature
4/15/09 Date

B 4

8026 Hunterbrook Lane NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
400 DISTANCE FROM ROAD
ENTER FT OR MI
TAX MAP: 46 BLK: 1 PARCEL 102



B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- GEO-THERMAL 4 closed loops

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME
A522884 COUNTY NO.
STATE SIGNATURE
DATE ISSUED 4/27/09 INSERT S
Start Date 4/27/10
CO SIGNATURE
NORTH GRID 477 EAST GRID 818
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
 - THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 - THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 - THIS WELL WILL DEEPEM AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

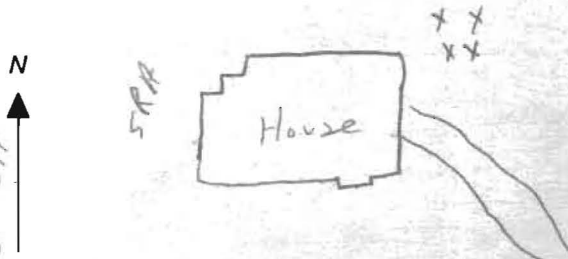
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
- 1.
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 476818
N 820477

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



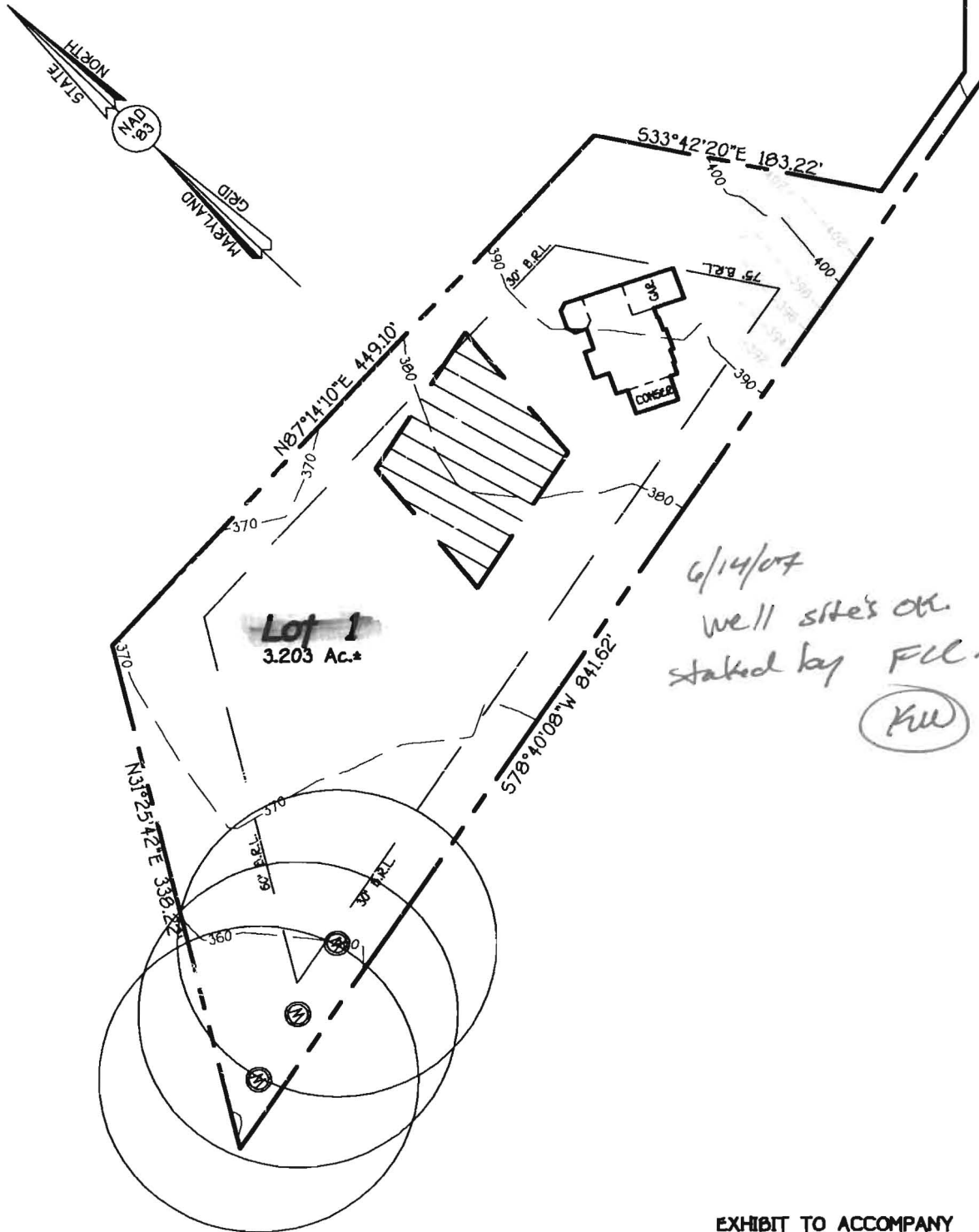
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 G A P 63
PERMIT No. HO-95-1757
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED
Use only COMAR approval grant letters to top

I:\05072\dwg\05072 Well Exhibit For Lot 1.dwg, 4/30/2007 7:07:44 AM, 1:100



6/14/07
 Well sites OK.
 Staked by FCC.
 (KW)

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2855

EXHIBIT TO ACCOMPANY
 WELL PERMIT
 LOT 1
 DUSTIN PROPERTY
 TAX MAP 46 GRID 1 & 2 PARCELS 103 & 104
 HOWARD COUNTY, MARYLAND
 SCALE 1"=100'
 DATE APRIL 6, 2007