

2/11/89 2 PM
3/2/89 early PM
3/3/89 AM

05-388457

House connection R6010

PERMIT

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT

P 43683
A 27723
5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 3/1/89
DATE SYSTEM APPROVED 3/23/89
INSPECTOR M. R. [Signature]

Kerwin Miller Communities, Inc. IS PERMITTED TO INSTALL ALTER
ADDRESS 4229 Cherry Valley Drive, Olney, Maryland 20832 PHONE 924-5944
SUBDIVISION Green Hill Manor V ROAD 13523 Villa d'est Drive LOT 5, Sec 5
PROPERTY OWNER Kerwin Miller

ADDRESS Mr. & Mrs. Wang

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 244 sq. ft. per bedroom with garbage disposal. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Place the first trench 70 feet from the front lot line and 70 feet from the left lot line as seen when facing the lot from Villa d'est Drive. Run trenches on contour toward the left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/cw

PLANS APPROVED BY Sid Abel DATE 11/04/88/11

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

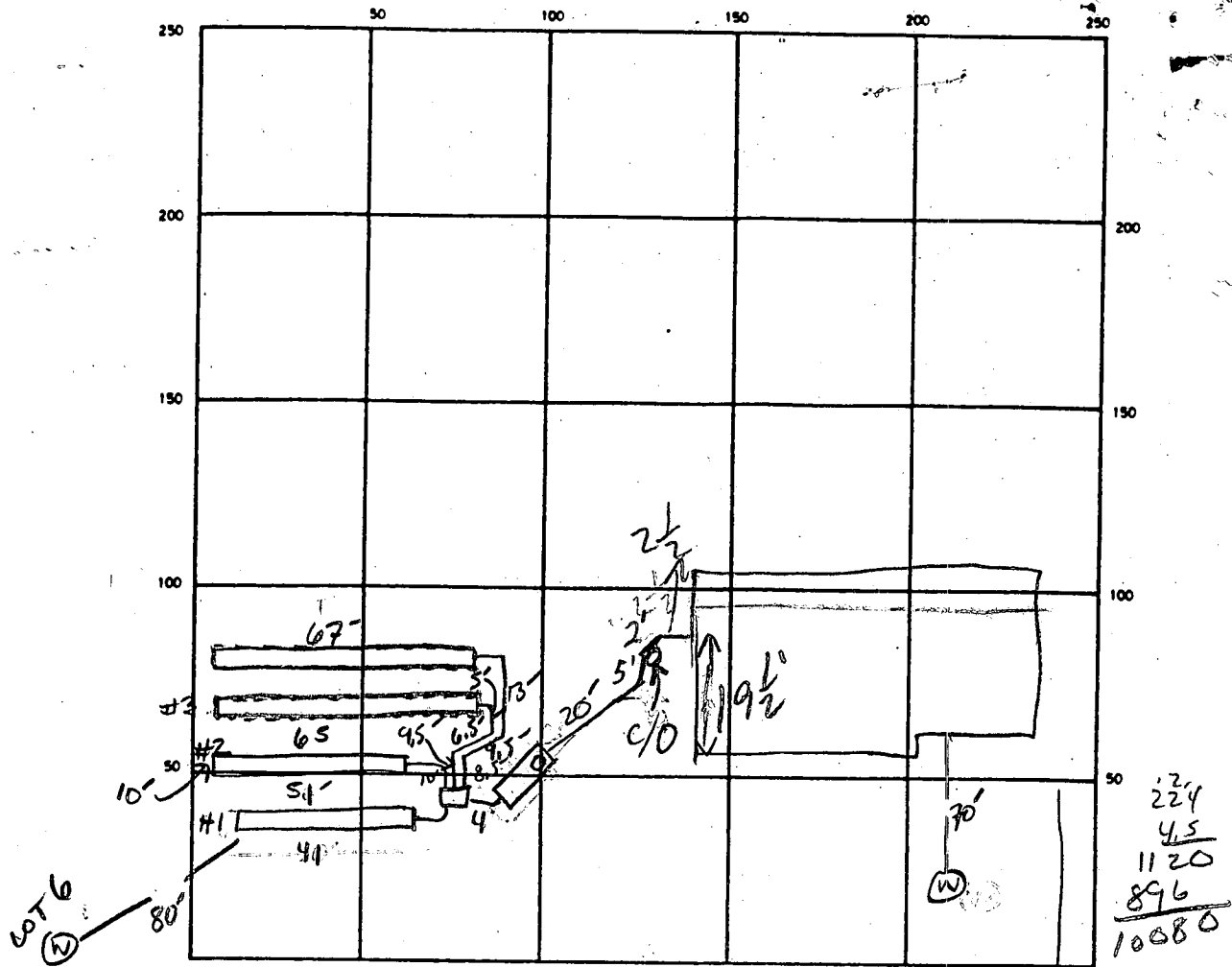
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BODG. PERMIT SIGNED
AND RETURNED 6/15/90
Serial # 33265 deck.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 27723



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
Villa d'est DR.

SEPTIC TANK. LEVEL 2000 ✓ CLEANOUTS INLINE ✓ + ST

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 8' FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 41.5 + 65 + 67 FT. TRF 224

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 1008 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 1008 SQ. FT.

REMARKS 3-1-89 OK TO STONE TRENCH #1+2 Dig # 3+4 SAME

3-2-89 OK TO STONE LAST 2 TRENCHES OR TO COVER #1+2. SAME

3-3-89 OK TO COVER ALL WORK - NEED HOUSE CONNECTION

3/23/89 HOUSE CONN. INSTALLED MR

DATE SYSTEM APPROVED 3/23/89 INSPECTOR M. Rifkin

GREENHILL MANOR SECTION 5

A 27723

VILLA D'EST DR

SUBDIVISION:

LOT NUMBER: 5

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

200 sq. ft./bedroom

Trench to be 2 wide.

Inlet 3.5 feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 3.5 feet below original grade.

4.5 feet of stone below distribution pipe.

*244 sq ft/bedroom
with garbage disposal*

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: PLACE THE FIRST TRENCH 70 FT FROM THE FRONT LOT
LINE AND 70 FT FROM THE LEFT LOT LINE AS SEEN WHEN
FACING THE LOT FROM VILLA D'EST DR. RUN TRENCHES ON
CONTOUR TOWARD THE LEFT LOT LINE. 11-4-88 SCL

PRELIMINARY

APPLICATION

A 27723

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5th

DATE 3/30/78

SYSTEM FIRST
SER # 12/13/79

any additional holes only in wet season

*system location to be 65'-70' from front lot line and 20'-25' from left lot line
as seen from front road*

*DW inlet to be 3 1/2 ft. maximum effective area starting at 4 1/2 ft. total maximum
depth 10 ft.
SEE*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ~~V. L. Vinella~~ Kerwin-Miller - 924-5944

ADDRESS 12631 Circle Drive, Rockville, Md. 20850 PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION Green Hill Manor LOT NO. 5, Sec. 5

ROAD AND DESCRIPTION 13523 ~~off~~ Villa D'Est Drive

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Dennis Rush

APPROVED BY Raymond Rodger FOR DW & DITCH DATE 3/17/80
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6/28/78 - Diamond Hold for Review
water R/A Paul Peat signed 2/15/80

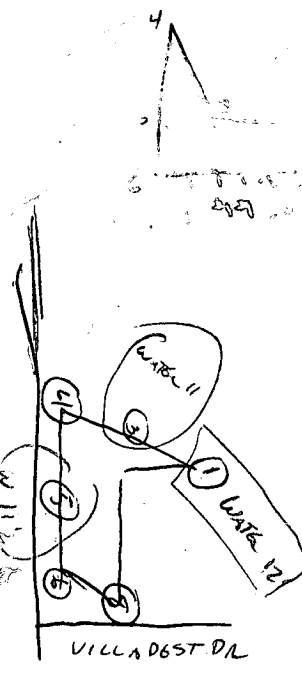
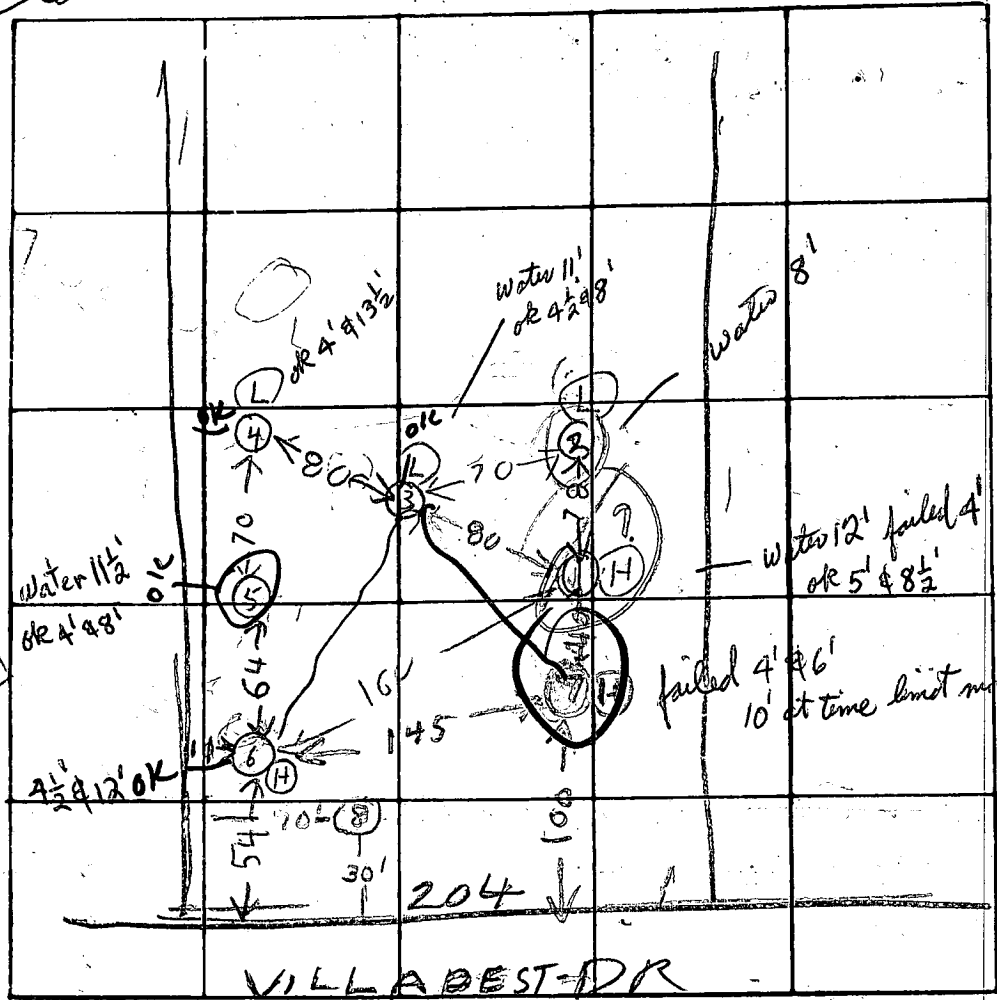
BLDG. PERMIT SIGNED
AND RETURNED 11-4-88

BP 22307
SK

THIS IS NOT A PERMIT

lot #5

14C
27
13
3
14
26
8



10E

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
4/10/76	(15)	4	1002	1032	inst	30	
	1V1	12	UNDE	20	GROUND WATER	12 FT	
	(2V)	10	SAND	7	UNDE	GROUND WATER	8 FT
	13V1	13	UNDE	GROUND WATER	11 FT		
	(3S)	4	1024	1042	leak	perc	
	3M	8	1035	1038	1038	1046	6
	4D	13 1/2	1015	1025	1025	1047	16
	4S	4	1015	1025	1025	1048	23
	5V	12	UNDE	GROUND WATER	11 1/2		
	3MS	4 1/2	1055	1104	1104	1124	20

130
18
99
3
2070

REMARKS	1MS	5	1105	1108	1108	1120	12
TYPE OF SOIL	5S	4	1110	1115	1115	1127	8
	5M	8	1119	1121	1121	1123	2
TESTED BY	6D	12	1134	1143	1143	1148	5
	6S	4 1/2	1134	1143	1143	1202	19
	1M	8 1/2	1155	206	206	213	7

Green Hill Manor Sect 5

Lot 5 VILLAGE 57 DR

4/7/78	75	4	155	224	224	251	little per
4/7/78	7R	10	155	224	224	250	2.6
4/7/78	(7M)	6	310	328	328	1st inch	18 min

LOT 5

3/23/79	85	4 FT	10:35	10:42	10:42	10:55	TIME
	80	12 FT	10:15	10:19	10:19	10:32	13 12

TESTED BY *[Signature]*

DEVRA
+
DENNY MUNK

Profile
 0-10 FT
 coarse sand
 11-12 FT
 coarse shale,
 mixed clay

LOT #4 *Sec. 5*

INV. ELEV. (OUT OF) HOUSE 470.50
INV. ELEV. (INTO) SEPTIC TANK 470.30
EXIST. ELEV. @ SEPTIC TANK 472.00
INV. ELEV. (OUT OF) SEPTIC TANK 469.97
INV. ELEV. (INTO) DISTRIBUTION BOX 469.93
EXIST. ELEV. @ DISTRIBUTION BOX 472.30
INV. ELEV. (OUT OF) DISTRIBUTION BOX 469.00
EXIST. ELEV. @ TRENCH 472.40

LOT #5. *Sec. 5*

INV. ELEV. (OUT OF) HOUSE 465.76 ✓ - BSMT
INV. ELEV. (INTO) SEPTIC TANK 465.56 ✓
EXIST. ELEV. @ SEPTIC TANK 466.30 ✓
INV. ELEV. (OUT OF) SEPTIC TANK 465.29 ✓
INV. ELEV. (INTO) DISTRIBUTION BOX 464.83 ✓
EXIST. ELEV. @ DISTRIBUTION BOX 467.80 ✓
INV. ELEV. (OUT OF) DISTRIBUTION BOX 464.50 ✓
EXIST. ELEV. @ TRENCH 467.90 ✓

BLDG. PERMIT SIGNED
AND RETURNED 11-7-88

BP 22307
SA

✓ LOT #6

INV. ELEV. (OUT OF) HOUSE 464.46
INV. ELEV. (INTO) SEPTIC TANK 464.26
EXIST. ELEV. @ SEPTIC TANK 462.00
INV. ELEV. (OUT OF) SEPTIC TANK 463.93
INV. ELEV. (INTO) DISTRIBUTION BOX 462.33
EXIST. ELEV. @ DISTRIBUTION BOX 466.00
INV. ELEV. (OUT OF) DISTRIBUTION BOX 462.00
EXIST. ELEV. @ TRENCH 466.00

NOTE: 4'-0" COVER BELOW GRADE TRENCH.

100 YEAR FLOOD PLAIN
DEDICATED TO THE HOWARD COUNTY
DEPARTMENT OF RECREATION
AND PARKS
13436'
DUE NORTH 81.00'
N. 2

GREEN HILL MANOR
 LOT 5 SECTION 5
 13523 YILLAD'EST DRIVE
 HOWARD COUNTY, MARYLAND

FLOOD PLAIN CERTIFICATION
 I hereby certify that, to the best of my knowledge, information and belief, the property shown hereon does not lie within Zone A as shown on the F.E.M.A. Flood Insurance Rate Map.

N. 11° 55' 50" E. 170.00'

60' BRL

S. 79° 55' 56" W. 532.00'

532.00'

6

S. 69° 31' 50" W. 925.00'

N. 69° 28' 03" E. 210.00'

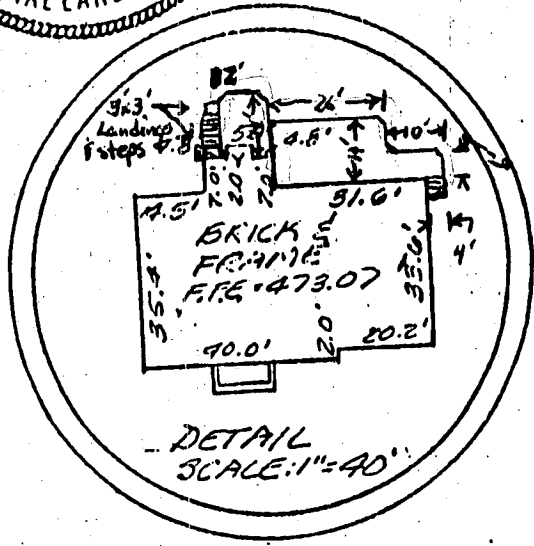
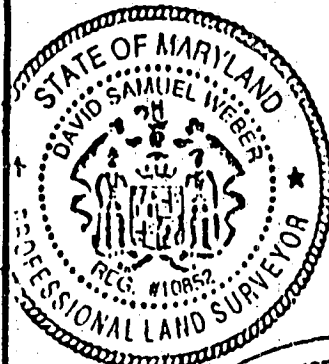
60' BRL

SEPTIC ESMT.

SEE DETAIL

WALL CHK:
 12/30/88
 FINAL:
 4.12.89

YILLAD'EST DRIVE
 A=925.00' A=210.00'



SURVEYOR'S CERTIFICATE

I hereby certify that the position of all existing improvements on the above described property have been carefully established by accepted field practices and that unless otherwise shown, there are no encroachments.

David Weber 1/4/89
 1/18/89

GLW GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 3908 NATIONAL DRIVE • SUITE 250 • BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MD. 20866
 TEL. (301) 421-4024

REFERENCE: PLAT BOOK _____ PLAT NO. 4537

DRAWN BY: DA DATE: 1.4.89

CHECKED BY: TCA/DA SCALE: 1"=100'

G.L.W. FILE NO.
87-093

C1 2191

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 27723

DATE Received

DATE WELL COMPLETED 030188

Depth of Well 260 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-81-2576

OWNER MINLER ASSOC KELWIN VILLAGEST DRIVE Highland TOWN Green Hill Manor SECTION 5 LOT 5

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Includes entries for Top Soil, Red Mica, Br. Mica, and Gray Mica.

GROUTING RECORD form with fields for YES/NO, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form with fields for casing types (STEEL, CONCRETE, PLASTIC, OTHER), MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) form with fields for diameter, depth.

SCREEN RECORD form with fields for screen type (STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER), DEPTH.

GRAVEL PACK and SCREENING form with fields for SLOT SIZE, DIAMETER OF SCREEN, GRAVEL PACK.

PUMPING TEST form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, WHEN PUMPING, TYPE OF PUMP USED.

PUMP INSTALLED form with fields for DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 40

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

