

4/14/89 AM
4/17/89 RN

Tax ID - 03-302504

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 43872
A 43793
DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 3/23/89

DATE SYSTEM APPROVED 9-5-91

INSPECTOR JEN

INDEXED

Cornwell Plumbing & Heating Company IS PERMITTED TO INSTALL ALTER

ADDRESS 12196 Triadelphia Road, Ellicott City, Maryland PHONE 2190

SUBDIVISION Crest Lawn Memorial Gardens ROAD Sand Hill Road LOT 2150 Mt. View Rd.

PROPERTY OWNER Crest Lawn Memorial Gardens, Inc.

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO _____

SEPTIC TANK CAPACITY _____ GALLONS NUMBER OF BEDROOMS _____

Pump tank capacity - 1000 gallons, Septic tank Capacity 1500 gallons. Install 100 linear feet of trench. Pump Myers SSM4

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - To be installed per location drawing provided. OK/CW

PLANS APPROVED BY Sid Abel DATE 3/16/89

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

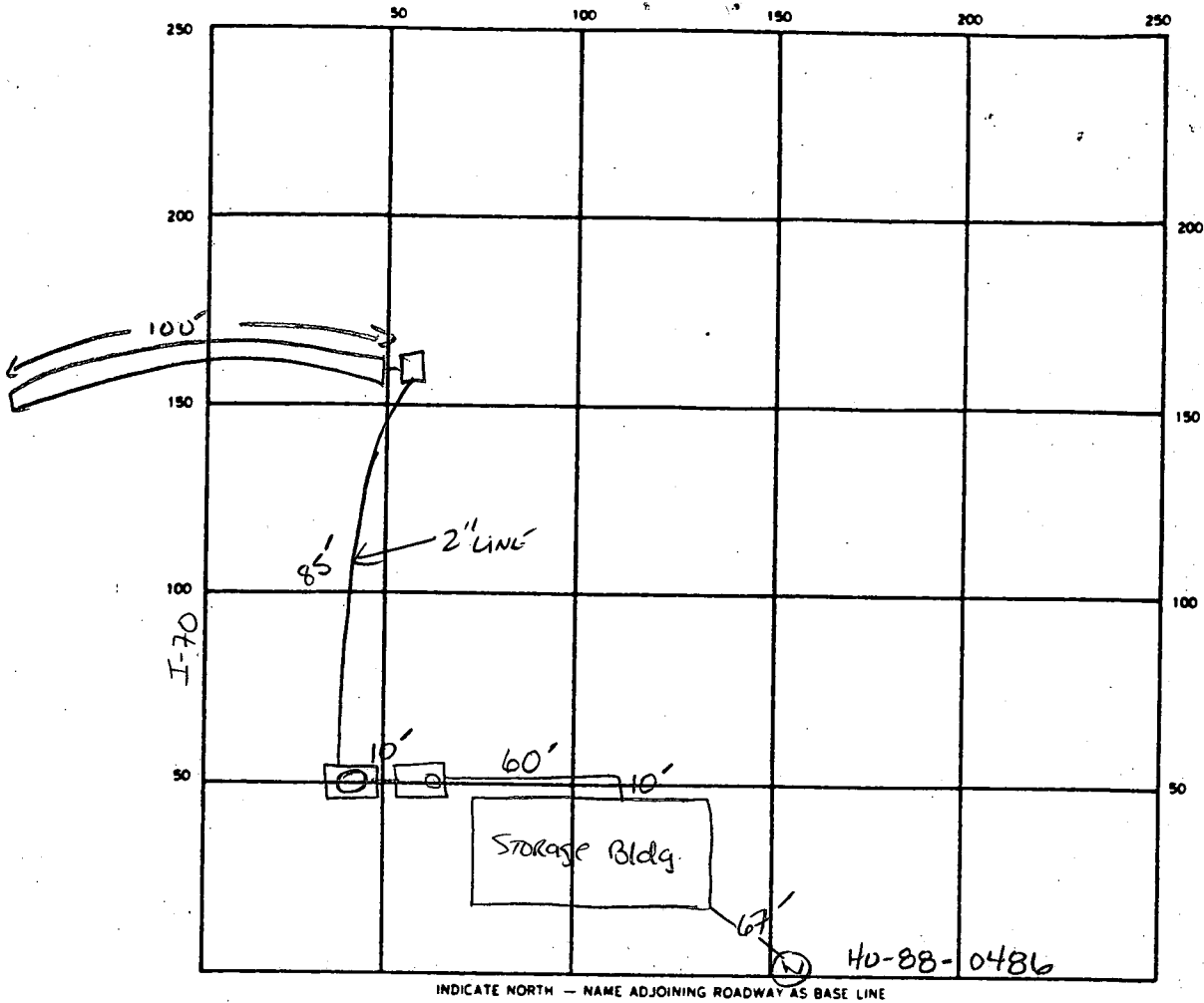
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 43793



SEPTIC TANK LEVEL 1500 ST 1000 PT CLEANOUTS ST ✓ MANHOLE DN PUMP TANK ✓

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD DEPTH 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 15 FT. TOTAL LENGTH 100 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL BOTTOM AREA 500 SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 500 SQ. FT.

REMARKS 4-14-89 OK TO STONE TRENCH AS DUG, SIDEWALL SCALING IN. S. Ahd

4-14-89. CONTINUE TO WORK. FINAL ON MONDAY DN

4-17-89 OK TO COVER TRENCH; NEED PUMP INSTALLED before final S. Ahd.

9-5-91 Spoke to supervisor. Pump was installed in May of 1989. Replacement pump installed 6 months after initial system put into service. No problems since. JEN

DATE SYSTEM APPROVED 9-5-91 INSPECTOR Jane E. Madreau

APPLICATION

PERCOLATION TESTING

A 43793

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 3A

DATE 3/14/89

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 Crest Lawn Memorial Gardens Inc.

ADDRESS 2150 Mount View Rd PHONE 442-5700

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Mt View Rd Sand Hill Rd - 1-70 N.

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG Commercial Utility
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Ernest Cornwall
(SIGNATURE OF APPLICANT)

APPROVED BY Eric Abel FOR Deep trenches DATE 3-16-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

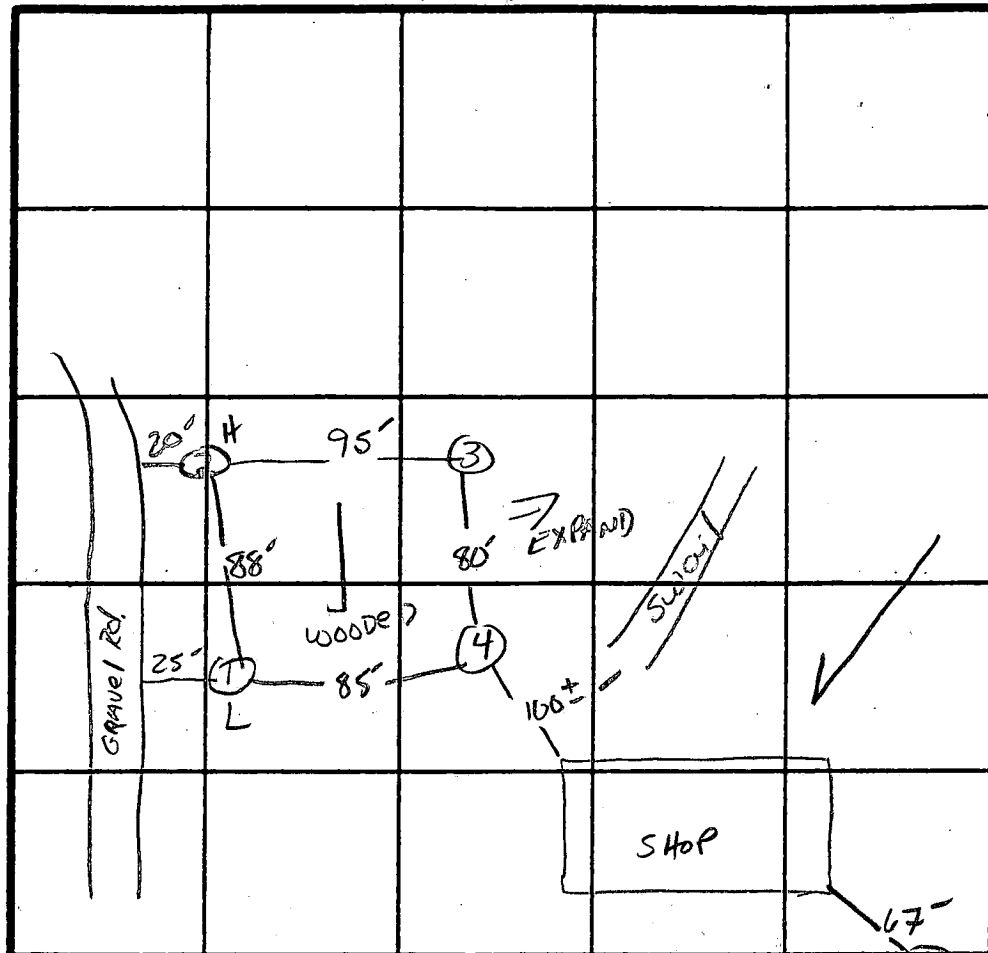
REASONS FOR REJECTION OR HOLDING 3-16-89 Perc Satisfactory - Hold for BP request. System will be pump syst. S.C.W.

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE

0	3'	A1-3 STRONG BA Silt loam 12-15% Clay 10% Frag
30'	12.5'	STRONG BA TO Light Brown Highly micaceous Silt loam 20-25% Frag



X PERC 4 MIN
 INLET 3.5'
 BOTTOM 8.5'
 INSTALL
 1-100' TRENCH
 7 people in
 Bldg. MAX
 60
 7
 420 gal/day

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/16/89	1 S M	4.5	10:04	10:05	10:05	10:07	2 min
		9.5	10:03	10:04	10:04	10:06	2 min
	1 V	12.5	see profile				
	2 S V	4.5	10:08	10:09	10:09	10:11	2 min
		13	SAME AS profile				
	3 S V	4.5	10:13	10:16	10:16	10:25	9 min
		13	Similar to # 1 + 2 - Clay to ~ 3.5'				
	4 S V	5	10:14	10:16	10:16	10:20	4 min
		13	SAME AS 1 + 2				

REMARKS _____
 TYPE OF SOIL Glendy
 TESTED BY S. Abel ALSO PRESENT _____

Mount View Rd.

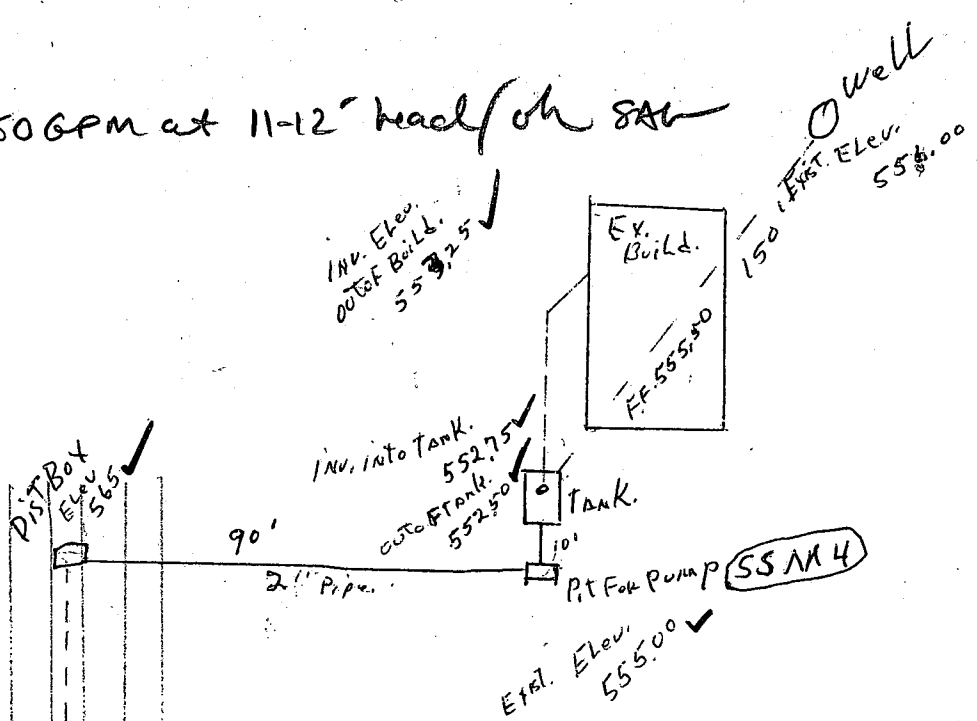
Sand Hill Rd.

OFFICE

apno 109

BLDG. PERMIT SIGNED
AND RETURNED

Deliver 50 GPM at 11-12' head/oh 8AW



Inv. Elev. 00 To F. Build. 552.25 ✓

Inv. into Tank. 552.75 ✓
00 To F. Tank. 552.50 ✓

Ex. Build. FF 555.50

150' Ex. Elev. 558.00

10' Pit For Pump (SSM 4)
Elev. 555.00 ✓

~~Dist Box~~
Location of D.B.
is highest of 3 perc. holes

Erroy Corwell

At 70

B 1 1171

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HC-88-0486

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

please print or type

fill in this form completely

Date Received (APA)

031389

CRESTLINE GARDENS OWNER INFORMATION

MELTON KENNETH

2150 MT VIEW RD

MARRIOTTSVILLAND 21104

B 3

LOCATION OF WELL R-43712

HOWARD

8 COUNTY 21

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50 WEST FRIENDSHIP

52 NEAREST TOWN 71

3 M I MILES FROM TOWN (enter 0 if in town) 73 76 77 78

DRILLER INFORMATION

George F. Easterday

40

Driller's Name

77 License No. 80

L. Franklin Easterday, Inc.

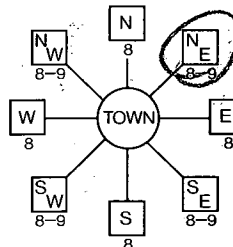
Firm Name

9265 Brown Church Rd., Mt. Airy, Md. 21771

Address Signature Date 3/9/89

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



2150 MT. VIEW NEAR WHAT ROAD 11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



3000 DISTANCE FROM ROAD 34 37

ENTER FT or MI FT 38 39

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other (requires appropriation permit)
Public or private water company (requires appropriation permit and state health department approval)
Test, observation, monitoring (may require appropriation permit)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 43739 COUNTY NAME COUNTY NO.

STATE SIGNATURE DATE ISSUED 031889 09-15-89

CO SIGNATURE EXP. DATE

NORTH GRID 538000 EAST GRID 0817000 30 1/2

APPROXIMATE DEPTH OF WELL 200 FEET

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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE SA PERMIT No. HC-88-0486

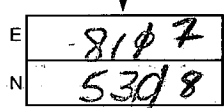
SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

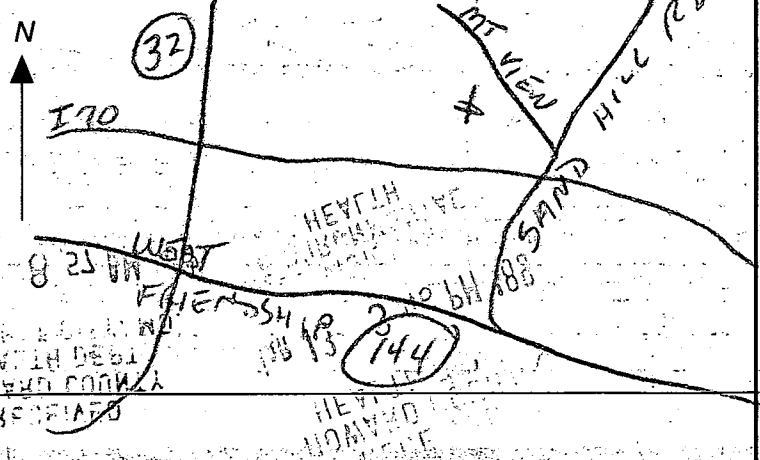
SOURCES OF DRILLING WATER

- 1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



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



Handwritten notes: 3/31/89 12:30 affects C.B. 34' Bags of cement/Well 31' Well casing 28' Well gravel 3' casing above ground on top of C.B. (Water to 2' 1/2)

C1 2362

SEQUENCE NO. (DENV 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-43757

DATE Received

DATE WELL COMPLETED

Depth of Well

26460 OK 12/23/91 CW

PERMIT NO. FROM "PERMIT TO DRILL WELL"

MD-88-0486

OWNER

STREET OR RFD

last name

first name

TOWN

SUBDIVISION

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 FROM TO

Check if water bearing

Top soil 0 1
Br clay 1 4
Red mica 4 26
CORREN MICHA 4 45
CORREN MICHA 45 790

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

yes Y no N

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 24 NO. OF POUNDS 3400

GALLONS OF WATER 170

DEPTH OF GROUT SEAL (to nearest foot)

from 28 ft. to 28 ft.

CASING RECORD

casing types insert appropriate code below

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

1 T 7 71

OTHER CASING (if used)

diagram showing casing diameter and depth

screen type or open hole insert appropriate code below

ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER

SCREEN RECORD

DEPTH (nearest ft.) diagram showing screen depth and slot size

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING 45

WHEN PUMPING 28

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 WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX-SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

CIRCLE APPROPRIATE LETTER 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 10.17.13 "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 IDENT. NO. 40

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

COUNTY