

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50329

A 37515

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~855-2838X~~ 313-2640

DATE 10/12/94

DATE SYSTEM APPROVED 11/9/94

INSPECTOR M. Rifkin

INDEXED

* Time Expired for F.C.O.P.
Compliance

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Chapel Woods II LOT 19 ROAD 11819 Sheppards Crossing

PROPERTY OWNER Mike Macon/Mary Hogan

ADDRESS

SEPTIC TANK CAPACITY 2000 GALLONS

NUMBER OF BEDROOMS 7

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 315

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 190 feet from the 549' lot line and 110 feet from the 604' lot line. Run trenches on contour toward the 604' lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 10/17/94 DKS

PLANS APPROVED BY Sid Abel/Mark Rifkin

REVISED DATE 10/12/94

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, 90° ELBOWS NOT ACCEPTABLE.

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 TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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

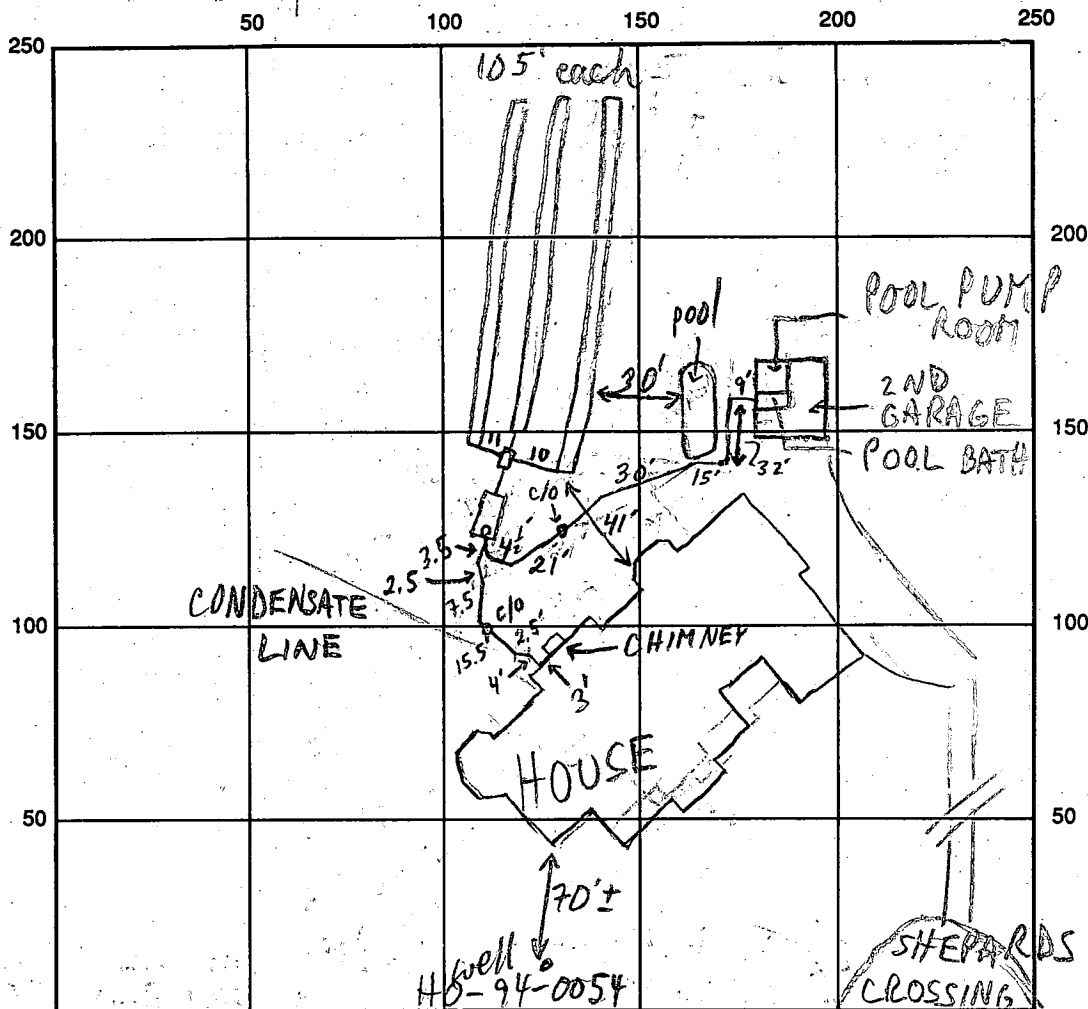
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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 PVA 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 APPROVAL ON THIS PERMIT**



9 out
32 along pool
15 L pool
30 L to cor
21 L to 4 1/2
4 1/2 in 105'.

SEPTIC TANK LEVEL 2000 GAL-OK

CLEANOUTS INLINE-OK, S.T.-OK

DISTRIBUTION BOX LEVEL OK-BAFFLE IN

DRAIN FIELD/TITLE DEPTH 1 1/2 3 7.5 7.5 7.5 FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 1 1/2 3 7.5 7.5 7.5 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 3 4 4 4 FT.

TOTAL LENGTH 3@105' FT.

NUMBER OF TRENCHES 3

ONE SIDEWALL/BOTTOM AREA 3@420 SQ. FT.

DRYWALL INSIDE DIAMETER FT.

EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 1260 SQ. FT.

REMARKS: 11/7/94 #1 S.T. SET-OK TO CONTINUE MR 11/7/94 TRENCH ①
OK TO COVER - DIG ② MR
11/9/94 OK TO COVER ALL MR

DATE SYSTEM APPROVED 11/9/94

INSPECTOR M. Ripkin

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 8/14/86

A 37575

P _____

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 J.J.M. Partnership (MIKE MACON / MARY HOGAN)

ADDRESS 5570-201 Sterrett Place PHONE 740-4466
Columbia, Maryland 21045

PROPERTY LOCATION:

SUBDIVISION Chapel Woods II LOT NO. 18

ROAD AND DESCRIPTION West side of Middle Patuxent; North of Route 108

(11819 Shepards Crossing)

SIZE OF LOT 3.79 ac. TYPE BLDG residential
(NUMBER OF BEDROOMS)

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.

John Mikolack
(SIGNATURE OF APPLICANT)

APPROVED BY Sally Abel FOR Frankland Hund DATE 7-24-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9-10-86 Perc. Satisfactory; Hold for Subdivision Plat. S. Abel

BLDG. PERMIT SIGNED

AND RETURNED 12/23/85

Serial # 57611- accessory building

BLDG. PERMIT SIGNED

AND RETURNED 12/23/85

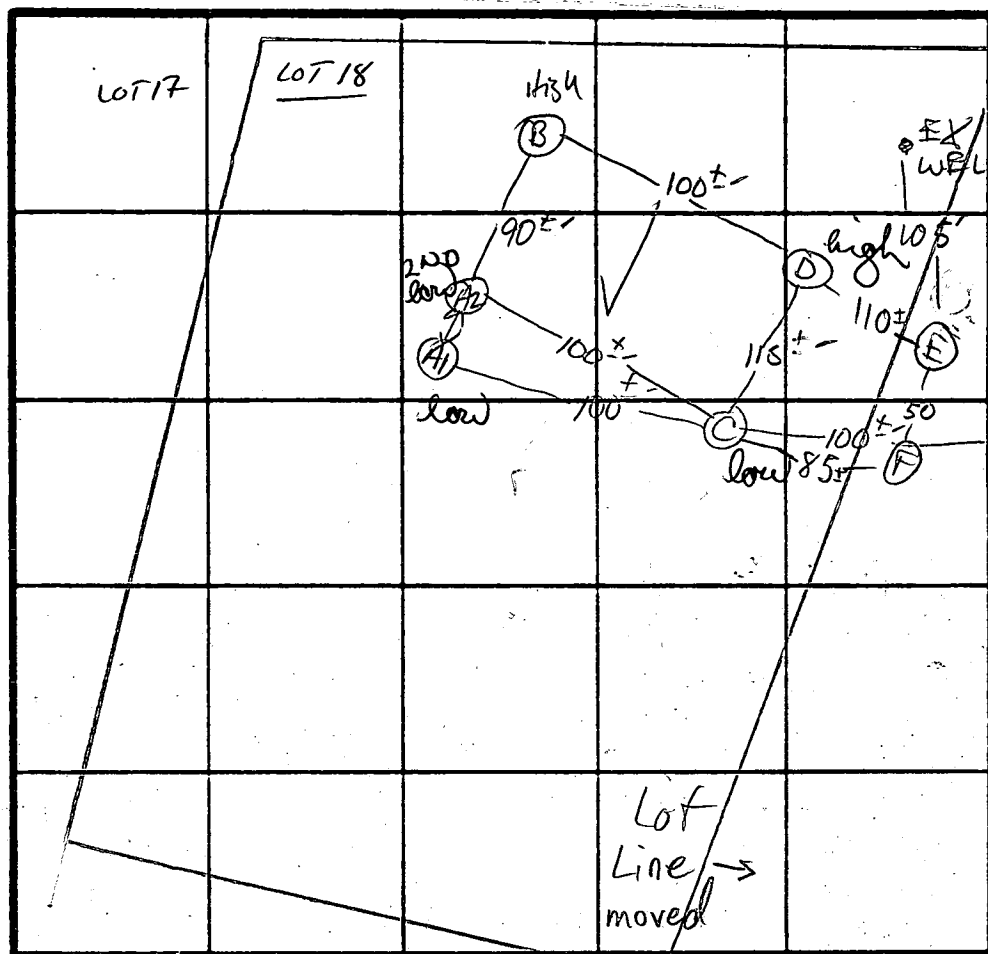
Serial # 57439
SFD - 6 Bemo.

THIS IS NOT A PERMIT

©

SOIL PROFILE

0	4"	A1-3
		Tan/Brown
		Silt/Loam
		12-15%
		Clay <10%
		FRAGMENTS
1'	4"	Tan/Brown
		Sand Loam
		20%
		FRAGMENTS
12'		



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

$$\bar{x} = 2mW$$

INLET 3 1/2

MAX 5'

(E) (F)
red brn
silt/loam
15% frags
tan br
sand (fast)
60% frags

13-15 1/2

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/10/86	C S	4.5'	1:58					
	C M	12'	uniform soil below 4-4.5'					
	B S	3.5'	2:00	2:01	2:01	2:03	2min	
	B M	7.5'	2:06	2:07	2:07	2:08	1min	
	B V	13'	un. form soil below 3'					
	D S	4'	2:12	2:13	2:13	2:15	2min	
	D V	12.5'	uniform soil below 3'					
	A S	4'	2:26	2:27	2:27	2:29	2min	
	A V	9.5'	un. form soil below 4'					
10/12/94	E V	15 1/2'	see profile					
	F V	13 ±						
	A ₁	ROCK AT 6.5 FT MOVED						

REMARKS

Holds slightly diff than PLAT / Shallow SYST. ON REPAIRS

TYPE OF SOIL

Chester

TESTED BY

S. Abel

ALSO PRESENT

RLD/owner / developer

0	4"	(B) (D)
		A1-3
		Yellow Brown
		Silt/Loam 9-12%
		Clay <10% frags
3'		Tan/Brown
		Silt/Sand
		10% frags

0	4"	(A2)
		A1-3
		Red Brown Clay
		Loam 9-12%
		Clay <10% frags
4'		Yellow Red
		Silt/Sand
		10-20%
		FRAGS
9.5'		ROCK BOTTOM

C1 8802

SEQUENCE NO.
(DENV USE ONLY)(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)STATE OF MARYLAND
WELL COMPLETION REPORTFILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER

A 37515

ST/CO USE ONLY

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

042994

02 22 300 26
(TO NEAREST FOOT)

110-94-0054

OWNER

Fairwood Builders

STREET OR RFD

last name

11819 Stegards Cross Rd

first name

TOWN

Clarksville

SUBDIVISION

Chapel Woods

SECTION

LOT 10

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM TO

Check
if water
bearing

Overburden

0 20

Soft Shale

20 56

Gray Rock

56 300

X

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N

TYPE OF GROUTING MATERIAL

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 56 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

PL

16

160

E
A
C
H
C
A
S
I
N
GOTHER CASING (if used)
diameter depth (feet)
inch from to

C2

screen type
or open hole

SCREEN RECORD

insert
appropriate
code
belowST BR HO
STEEL BRASS OPEN
BRONZE HOLE
PL OT
PLASTIC OTHERE
A
C
H
S
C
R
E
E
NDEPTH (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

SLOT SIZE

DIAMETER OF SCREEN (NEAREST INCH)

G
R
A
V
E
L
P
A
C
KIF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

3

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

5

METHOD USED TO
MEASURE PUMPING RATE

Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING

10

WHEN PUMPING

260

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
(CIRCLE) (YES or NO)

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)

31 35

PUMP HORSE POWER

37 41

PUMP COLUMN LENGTH
(nearest ft.)

43 47

CASING HEIGHT (circle appropriate box
and enter casing height)

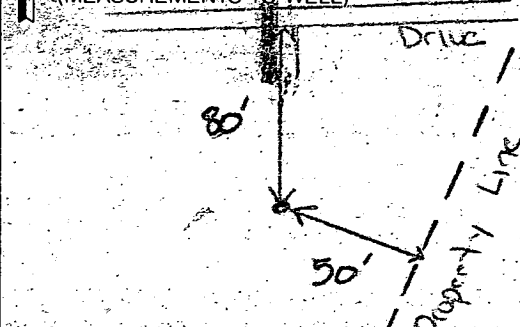
+ above

LAND SURFACE

- below

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

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION
WELLI 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 PRE-
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF
MY KNOWLEDGE.

DRILLERS IDENT. NO.

399

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

Page 1 of 1
Date 4-28-94

Review OK 6/13/94 DKS

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-0054
Location of property (road) 11819 Shepards Crossing
Subdivision Chapel Woods Lot 19 Block Plat Sec.
Well Driller G.E. Harr Owner Earthwood Builders

Depth of well 300'
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 1000 Pumping rate 5.45 GPM
Total time 4 1/2 HRS to reach pumping water level 260 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
1000	40'	23		13.04
1015	120'	28		10.71
1030	172'	32		9.38
1045	203'	32		9.38
1100	227'	32		9.38
1115	245'	35		8.57
1130	260'	35		8.57
1145	260'	50		6.00
1200	260'	50		6.00
1215	260'	50		6.00
1230	260'	55		5.45
1245	260'	55		5.45
1300	260'	55		5.45
1315	260'	55		5.45
1330	260'	55		5.45
1345	260'	55		5.45
1400	260'	55		5.45
1415	260'	55		5.45
1430	260'	55		5.45

Well Permit No. HO - 94-0054
Location of property (road) 11819 Shepards Crossing
Subdivision Chapel Woods II Lot 19 Block Plat Sec.
Well Driller G.E. HARR Owner Earthwood Builders

Depth of well 300'
Distance of measuring point (M.P.) above ground 1.5'
Static water level (S.W.L.) below M.P. 40'

Time pump started 10:00 Pumping rate 89 gpm
Total time to reach pumping water level ft. below M.P.

HD-224

C1	1072	SEQUENCE NO. (DENY USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
					COUNTY NUMBER	A-37515	
ST/CO USE ONLY DATE Received		DATE WELL COMPLETED		Depth of Well		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
8 13		15 20		22 26		28 37	
		1111489		225		40-88-0937	
				(TO NEAREST FOOT)			

OWNER	last name	first name	TOWN
STREET OR RFD	CHURCH LANE	THOMAS	CHARLESVILLE
SUBDIVISION	SECTION	LOT	
		19	

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
SAND stone	0 37	
GRAY MICHA ROCK	37 285	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT ☒ CM	BENTONITE CLAY ☒ BC
NO. OF BAGS 9	NO. OF POUNDS 246
GALLONS OF WATER 54	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0	ft. to 32
(enter 0 if from surface)	

CASING RECORD		
casing types insert appropriate code below	ST CO	
	STEEL CONCRETE	
	PL OT	
	PLASTIC OTHER	
MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
S	1	42
OTHER CASING (if used)		
diameter depth (feet)		
inch from to		

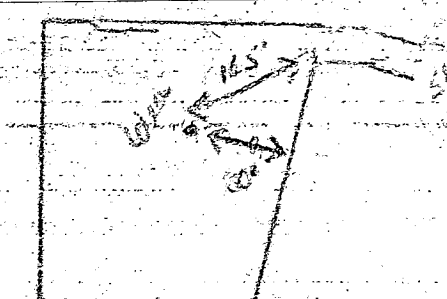
EACH CASING	screen type or open hole	SCREEN RECORD
	insert appropriate code below	ST BR HO
		STEEL BRASS OPEN
		PL BRONZE HOLE
		PLASTIC OTHER

C2	
DEPTH (nearest ft.)	
1	HO 40 285
2	
3	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
from to	

GRAVEL PACK	
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.) W Q	
70 72 74 75 76	
TELESCOPE LOG OTHER DATA	
CASING INDICATOR	

C3		
PUMPING TEST		
HOURS PUMPED (nearest hour) 3		
PUMPING RATE (gal. per min. to nearest gal.) 5		
METHOD USED TO MEASURE PUMPING RATE BUCKET		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING 36		
WHEN PUMPING 198		
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	
(CIRCLE) (YES or 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 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 PRE- SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	
DRILLERS IDENT. NO. 238	
DRILLERS SIGNATURE	
(MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

COUNTY

OK MR 12/12/89

