

11-15-99
ASAP

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-379156

P 513163

A REPAIR

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 12/7/1999

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 11/15/99

INSPECTOR M. R. P. King

INDEXED

Jack Fyock Septic Service IS PERMITTED TO INSTALL _____ ALTER

ADDRESS P.O. Box 89, Glenelg, MD 21737 PHONE 410-988-9270

SUBDIVISION Linden Chapel Hills LOT 18 ROAD 5019 Morningstar Drive

PROPERTY OWNER Ronald E. Mandart

ADDRESS 5019 Morningstar Drive

SEPTIC TANK CAPACITY EX 1250 GALLONS

NUMBER OF BEDROOMS 3

125 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 72'

REPAIR - PURPOSE - Existing septic system has failed.

Call for inspection when ground is opened so sanitarian can recommend repair. 11-12-99

INV 4' BOT 11' 72' TRENCH

PLANS APPROVED BY _____ DATE _____

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

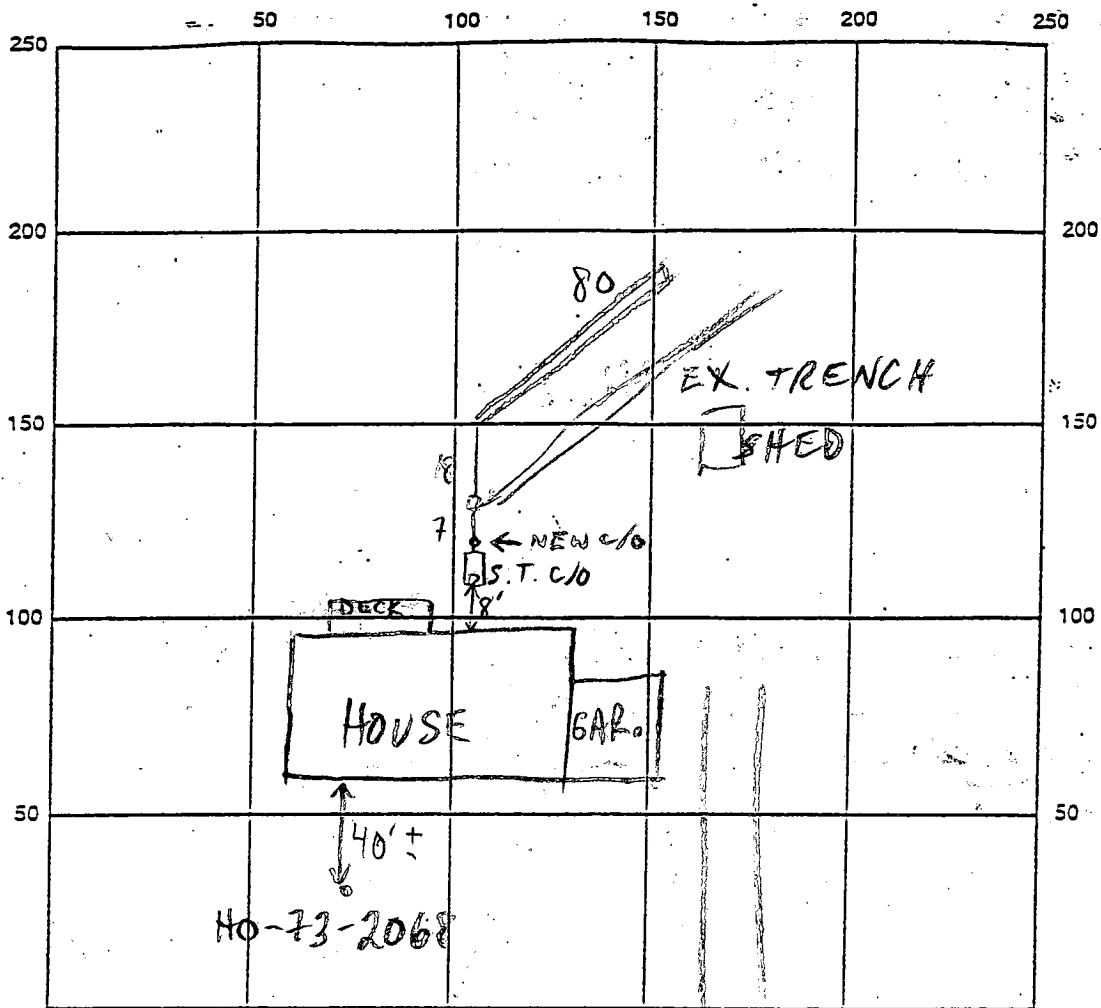
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

P 513163



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

MORNINGSTAR DRIVE

SEPTIC TANK LEVEL EX. 1250 - OK

CLEANOUTS EX. S.T. 4 IN LINE - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 11 FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 7 FT.

TOTAL LENGTH 80+ FT.

NUMBER OF TRENCHES 1

ONE SIDEWALL/BOTTOM AREA 560 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 11/15/99 OK TO FINISH + COVER (MR)

DATE SYSTEM APPROVED

11/15/99

INSPECTOR

M. Ripkin

8/18/78 p.m. please

PERMIT

Feld

12815
A-2767

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 363

INDEXED

DATE 7/31/78

Ed Wilson

IS PERMITTED TO INSTALL X ALTER

ADDRESS

3019

PHONE

SUBDIVISION Linden Chapel Hills

ROAD Morning Star Drive

LOT 18, BLDG. 2, SEC. 3

PROPERTY OWNER Frank E. Wilson

Arnold Mandau

ADDRESS

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

SBR

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET, BOTTOM AREA SQ. FT.

SEWERAGE PIPE MANHOLE END WALL AREA 125 SQ. FT. PER BEDROOM IN LOT 18 FT. OF

INLET PIPE 12 FT. BELOW ORIGINAL GRADE, MAXIMUM DEPTH 12 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT 10 FT. BELOW ORIGINAL GRADE

LOCATE DISPOSAL AREA 10 FT. FROM Right LOT LINE AND 145 FT. FROM Front LOT LINE AS SHOWN WHEN

FACING LOT FROM Morning Star Drive

If dry well and trench are used, need a 5 ft. earth buffer between dry well and

trench. 4/1/78 go for you trench 40 ft long - 24" stone
follow contour of ground. To be installed

PLANS APPROVED BY Charles E. Spangler

DATE 10/30/77

COVER AND WORK UNTIL INSPECTED AND APPROVED.

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

NOTE: IF TRENCH IS USED CALL FOR INSPECTOR BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 13 FEET IN DIAMETER.

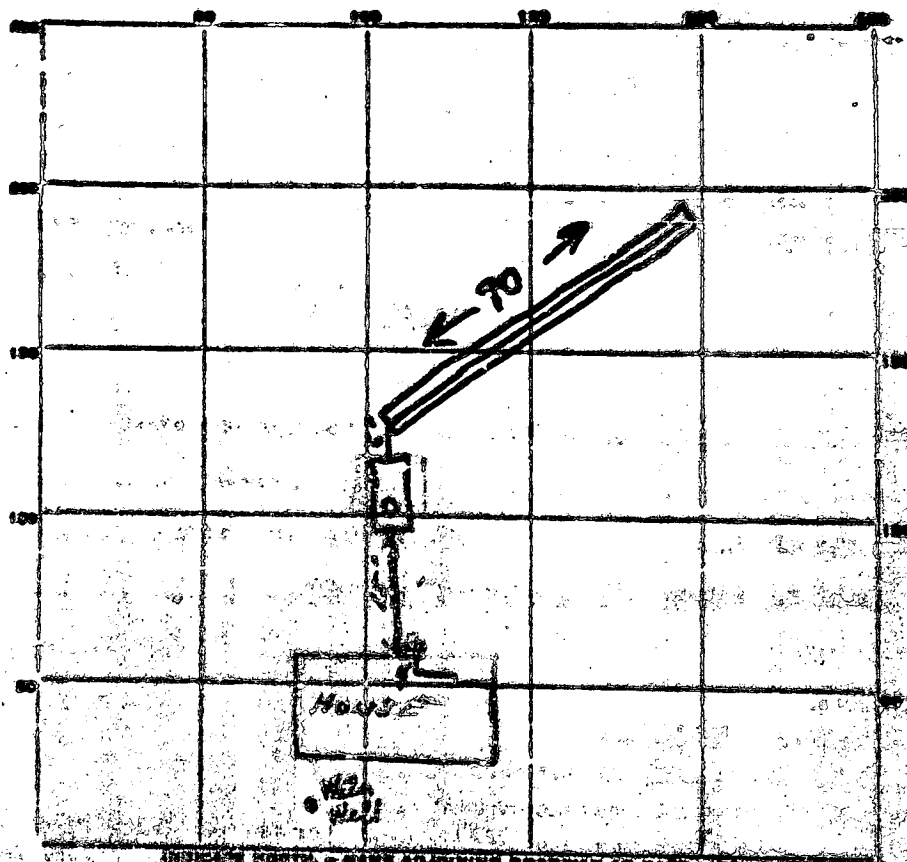
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE SIX INCHES IN DIAMETER, CAST IRON, CONCRETE OR TERRAZO GOTTI ACCEPTED.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

22767



INDEXES NORTH - MARK ADJOINING ROADWAY AS BASE LINE

PERMIT CARD NO. 8/25 Road
 SEPTIC TANK LEVEL 1250 CLEAROUTS ST
 DISTRIBUTION BOX LEVEL N/A (7/29/52)
 TILE FIELD DEPTH 1 1/2 FT. TRENCH WIDTH 2 FT.
 GRAVEL DEPTH 8 IN. TOTAL LENGTH 90 FT.
 NUMBER OF STRETCHES — TOTAL BOTTOM AREA —
 DEPTH BELOW INLET — FT.
 ABSORBENT AREA 230 SQ. FT.

REVISED 12 Aug 78 - Trench not ~~excavated~~ ^{excavated} as normal; backfill trouble (6) (5)
 22 Aug 78 - Call for final - when gravel pipe is added to trench, clearcut & base sewer installed. Warning: if top of septic tank is more than 3' below original grade, manhole base clearcut will be ~~required~~ ^{required}

9412

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION
TOWNS STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 10 DAYS AFTER WELL COMPLETION
FILL IN THIS FORM COMPLETELY
COUNTY NUMBER

DATE WELL COMPLETED

6-2-70

DEPTH OF WELL

170

PERMIT NO. FROM "PERMIT TO DRILL WELL"

20 21 22 23 24 25 26 27

DRILLER IDENTIFICATION NO.

02

OWNER LAST NAME

POST OFFICE

STREET OR RD.

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Shaly
SANDY
SANDSTONE
MICA

DESCRIPTION	FEET	DEPTH
USE APPROPRIATE CODES IF NECESSARY	FROM	TO
	0	2
	3	20
	20	50
	50	65
	65	170

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)

YES (Y) NO (N)

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT (CM) PORTLAND CEMENT (PC)

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (NEAREST FOOT)

FROM 0 FT. TO 0 FT.

CASING RECORD

INSERT APPROPRIATE CODE BELOW
STEEL (SI) CONCRETE (CO)
PLASTIC (PL) OTHER (OT)

MAIN CASING TYPE (57) NOMINAL DIAMETER (6) TOTAL DEPTH OF MAIN CASING (170)

OTHER CASING (IF USED)

DIAMETER (INCH) DEPTH (FEET)

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW
STEEL (ST) BRASS OR BRONZE (BR)
PLASTIC (PL) OTHER (OT)

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	1	2	3	4	5	6	7	8	9	10
DEPTH	170	37	170							
DIAMETER										
SLOT SIZE										

- CIRCLE APPROPRIATE BOXES
- A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
 - ELECTRIC LOG OBTAINED
 - PISTON WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PAFF

IF WELL DRILLED WAS A FLOWING WELL (CIRCLE BOX)

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR)

PUMPING RATE (GAL. PER MIN. TO NEAREST FALLOUT)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING (40) WHEN PUMPING (170)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX)
AIR (A) PISTON (P)
CENTRIFUGAL (C) ROTARY (R) OTHER (OR)
JET (J) SUBMERSIBLE (S)

PUMP INSTALLED

DRILLER WEL (INSTALL PUMP)

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON)

PUMP HORSE POWER

PUMP COLUMN LENGTH (NEAREST FOOT)

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

LOCATION OF WELL ON LOT (SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTAL JOBS (MEASUREMENTS TO WELL))

X VINE

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION
TAYLOR STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

WELL NO. **9412**
 DEPTH OF WELL **140**
 DATE OF COMPLETION **6/22/72**
 WELLER IDENTIFICATION NO. **02**

OWNER **Ed. Williams**
 STREET ADDRESS **32**
 CITY **...**

STATE THE KIND OF FORMATION PENETRATED, THIN TO THICK, COARSE AND IF GRAVEL BEARING

DEPTH (FEET)	FORMATION	GRAVEL BEARING
0-3	TOP SOIL	
3-20	Staley	
20-50	SANDY	
50-65	SANDSTONE	
65-140	MICA	

SCREENING RECORD
 TYPE OF SCREENING MATERIAL (CIRCLE ONE)
 WIRE MESH MESH
 DEPTH OF SCREEN **60**
 DEPTH OF GREAT SEAL (IF DIFFERENT FROM SCREEN) **0**

CASING RECORD
 CASING TYPE (CIRCLE ONE)
 METAL PLASTIC
 CASING SIZE (INCH) **57**
 CASING DEPTH (FEET) **6**
 TOTAL DEPTH OF CASING (FEET) **66**

OTHER CASING (IF OTHER)
 CASING SIZE (INCH) _____
 CASING DEPTH (FEET) _____

WELP RECORD
 WELP TYPE (CIRCLE ONE)
 METAL PLASTIC
 WELP SIZE (INCH) **57**
 WELP DEPTH (FEET) **140**

WELL DATA
 DEPTH OF GREAT SEAL (FEET) **0**
 DEPTH OF CASING (FEET) **6**
 DEPTH OF WELP (FEET) **140**
 WELP SIZE (INCH) **57**

FINISH TYPE
 FINISH TYPE (CIRCLE ONE)
 FINISH TYPE **170**
 TYPE OF FINISH (CIRCLE ONE)
 FINISH TYPE **170**

WELL LOCATION
 LOCATION OF WELL ON LOT (CIRCLE ONE)
 LOCATION OF WELL ON LOT **170**

CIRCLE APPROPRIATE BOXES

WELL WAS ASSUMED AND GRADES FROM THE WELL WAS USED

ELECTRIC LOG OBTAINED

TEST WELL CONVERTED TO PRODUCTION WELL

SEEKED CERTAIN THAT A WIRE COMPARED WITH ALL CONDITIONS STATES ON THE ABOVE LISTED FORMS TO THIS WELL, AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

WELLER NAME **...**

WELLER'S SIGNATURE
 WELP MADE BY **...**
 IF WELL WAS MADE BY A CONTRACTOR, CIRCLE ONE

LOCATION OF WELL ON LOT
 LOCATION OF WELL ON LOT **170**

STATE OF MARYLAND
 WATER RESOURCES ADMINISTRATION
 TAXES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

9412

DATE WELL COMPLETED: 6/2

DEPTH OF WELL: 170

PERMIT NO. FROM "PERMIT TO DRILL WELL": 00-00-00-00-00-00-00-00-00-00

DRILLER'S IDENTIFICATION NO.: 02

OWNER: [Name]

STREET OR RD: [Address]

POST OFFICE: [City]

WELL DESCRIPTION

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION	FEET	DEPTH
Shaly	0-3	3
SANDY	3-25	25
SANDSTONE	25-50	50
M.C.N	50-65	65
	65-170	170

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)

TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT (CM), VENTONITE CEMENT (VC)

NO. OF BAGS: 47, NO. OF POUNDS: 4366

GALLONS OF WATER: 16

DEPTH OF GROUT SEAL (NEAREST FOOT): FROM 0 TO 17

CASING RECORD

MAIN CASING TYPE: ST (STEEL)

NOMINAL DIAMETER (NEAREST INCH): 6

TOTAL DEPTH OF MAIN CASING (NEAREST FOOT): 17

SCREEN RECORD

SCREEN TYPE: []

SCREEN TYPE (CIRCLE APPROPRIATE BOX): []

SCREEN TYPE: []

SCREEN TYPE: []

OTHER CASING (IF USED)

DIAMETER (INCH): []

DEPTH (FEET): []

SCREEN RECORD

SCREEN TYPE: []

SCREEN TYPE (CIRCLE APPROPRIATE BOX): []

SCREEN TYPE: []

SCREEN TYPE: []

SCREEN RECORD

SCREEN TYPE: []

SCREEN TYPE (CIRCLE APPROPRIATE BOX): []

SCREEN TYPE: []

SCREEN TYPE: []

SCREEN RECORD

SCREEN TYPE: []

SCREEN TYPE (CIRCLE APPROPRIATE BOX): []

SCREEN TYPE: []

SCREEN TYPE: []

PUMPING TEST

HOURS PUMPED TO NEAREST HOUR: 2

PUMPING RATE (GAL. PER MIN. TO NEAREST GALLON): 2

METHOD USED TO MEASURE PUMPING RATE: Bucket

PUMPING TEST

WATER LEVEL (DISTANCE FROM LAND SURFACE) BEFORE PUMPING: 40

WATER LEVEL (DISTANCE FROM LAND SURFACE) DURING PUMPING: 170

TYPE OF PUMP TEST (CIRCLE APPROPRIATE BOX): []

PUMPING TEST

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

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PUMPING TEST

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

TYPE OF PUMP (CIRCLE APPROPRIATE BOX): []

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTAL L.S. (MEASUREMENTS TO WELL).

CIRCLE APPROPRIATE BOXES

[] A WELL HAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

[] ELECTRIC LOG OBTAINED

[] TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED PERMIT TO DRILL WELLS, AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

X VINE