

OWNER: George Boarman

INDEXED

DATE REQUESTED: 6/18/96

PHONE #:

CONTRACTOR:

ADDRESS: 13189 Highland Road

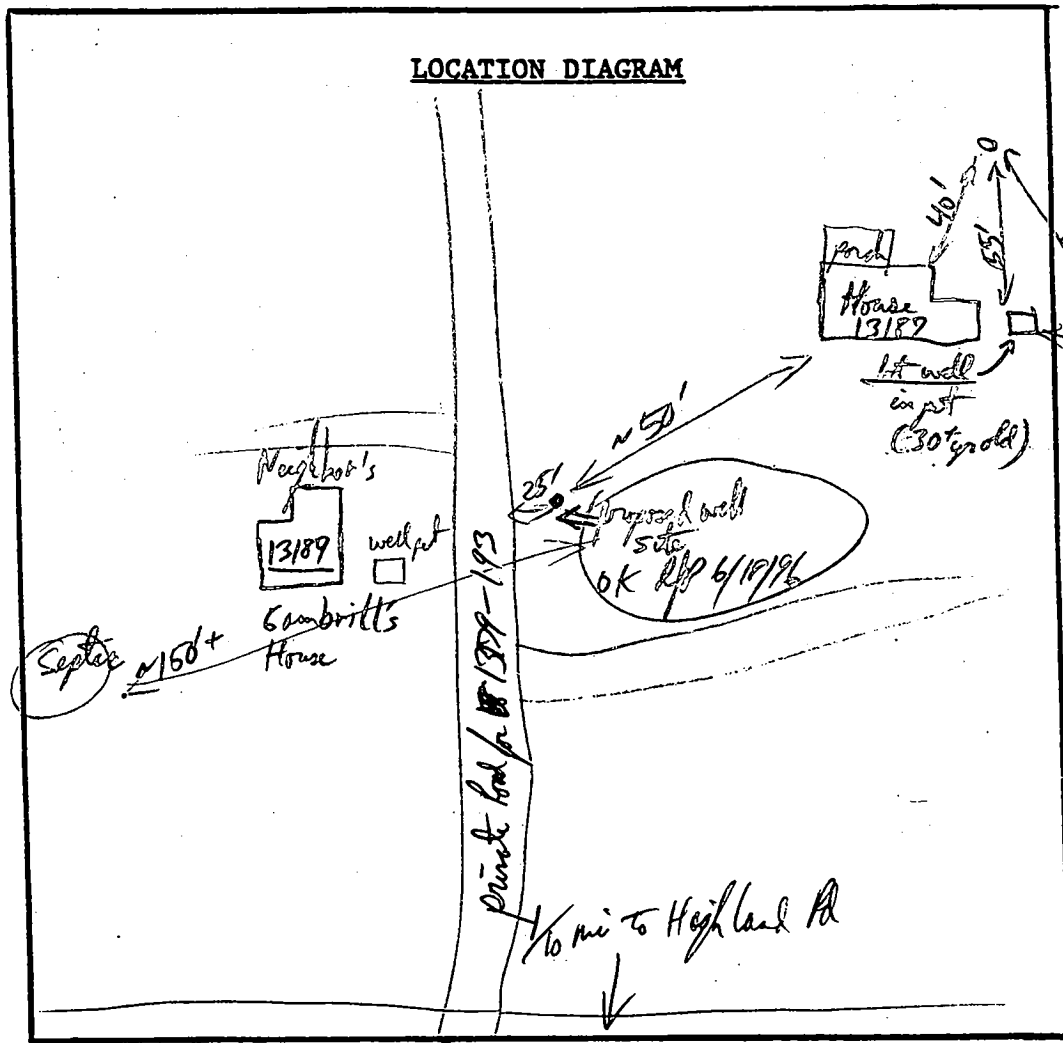
WELL TAG #: Measured Ho 84-0817
Coll well Ho 81-0531 + another well in pit

Highland Rd

COUNTY #: W 56982

PROPOSAL: Replacement well - (iron pitless, pump problem in well #2, Now back on well #1 also having sediment problem)

off private common driveway about 500ft S/ Highland Rd



COMMENTS: New well site appears okay - is much further from septic system than other well iron element to septic tank is rusted open about 2/3 way around and 4" above ground level, slight seepage odor noticeable when standing near it.

DATE: 6/18/96

INSPECTOR: R.P. [Signature]

W 56982

C1 1690

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 13-W56982

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 062596

Depth of Well 240 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 140-94-0817

OWNER Boorman George STREET OR RFD 13187 Highland Rd. TOWN Highland 20777

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and Check if water bearing. Includes entries for Sand and Gray Mica Rock.

GROUTING RECORD form including fields for CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, and GALLONS OF WATER.

CASING RECORD form including fields for casing types (ST, CO, PL, OT) and nominal diameter.

MAIN CASING TYPE form including fields for diameter and total depth.

OTHER CASING (if used) form including fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST, BR, HO, PL, OT) and slot size.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED Y/N.

SCREEN RECORD table with columns for E A C H I N G S C R E E N and rows for depth measurements.

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 26.04.04 "WELL CONSTRUCTION"

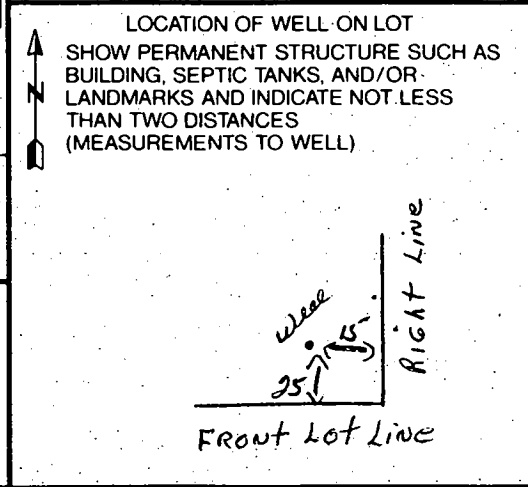
DRILLERS IDENT. NO. 24 DRILLERS SIGNATURE (Must match signature on application)

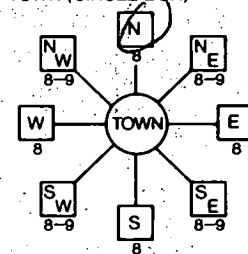
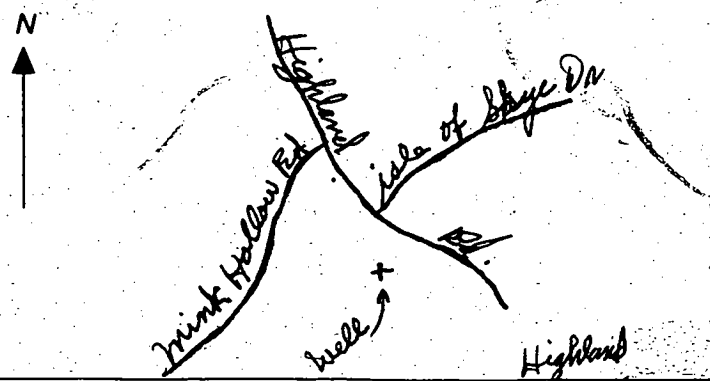
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76

PUMPING TEST form including fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, and TYPE OF PUMP USED.

PUMP INSTALLED form including fields for DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED, CAPACITY, and PUMP HORSE POWER.



B 1 3005 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)</small>	SEQUENCE NO. <small>(MDE USE ONLY)</small>	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-99-0817 <small>fill in this form completely</small>
Date Received (APA) 06/14/96 OWNER INFORMATION BOARMAN GEORGE <small>15 Last Name Owner First Name</small> 13187 HIGHLAND ROAD <small>36 Street or RFD</small> HIGHLAND MD <small>57 Town 70 State 72 Zip 76</small>		B 3 LOCATION OF WELL HOWARD <small>8 COUNTY 21</small> 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 HIGHLAND <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) 1/4 MI <small>73 76 77 78</small>	
DRILLER INFORMATION Joseph L. Mayne <small>Driller's Name</small> Joseph L. Mayne Well Drilling <small>Firm Name</small> 5512 Ridge Rd. Mt. Airy, Md. 20771 <small>Address</small> Joseph L. Mayne <small>Signature</small> 6/14/96 <small>Date</small> 24 <small>License No. 80</small>		B 4 13187 Highland Road <small>11 NEAR WHAT ROAD 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD ENTER FT OR MI MI <small>34 37 38 39</small> TAX MAP: 34 BLK: 21 PARCEL 210	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 <small>8 12 14 20</small>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard COUNTY NAME Howard COUNTY NO. STATE SIGNATURE DATE ISSUED 06/18/96 CO SIGNATURE [Signature] / EXP. DATE 6/18/97 NORTH GRID 492000 EAST GRID 0807000 <small>43 48 50 55 57 63</small>	
APPROXIMATE DEPTH OF WELL 309 FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL 6 INCH <small>NEAREST INCH</small>		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 E 8007 N 4902 <small>000 000</small>	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROtary AIR-Percussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROtary DRive-POINT other		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION. 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input checked="" type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 HO-87-0531 52		Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER GAP FORCE RA PERMIT No. HO-99-0817 <small>67 68 70 71 72 73 74 75 76 77 78 79</small>	
SPECIAL CONDITIONS <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</small>			

INDEXED

HO-81-0531

REPLACEMENT
WELL SITE

DATE REPORTED 5/8/84

H 854-0252

PHONE NO. W 854-2883

PROPERTY OWNER GEORGE BOARMAN

P. O. ADDRESS 13187 HIGHLAND RD

DIRECTIONS TO PROPERTY 1 MILE NORTH OF STORE ON LEFT SIDE OF HIGHLAND ROAD,

HOUSE IS 200 YARDS BACK ON RIGHT SIDE OF DRIVEWAY.

INFORMANT

JOS. MAYNE FOR GEO. BOARMAN

OWNER STATES EXISTING DRILLED WELL PRODUCES SILT. WANTS TO
REPLACE WITH NEW WELL AND KEEP EXISTING WELL FOR BACKUP AND FOR
WATERING HORSE.

CONDITION FOUND:

WELL IN PIT, 6 FEET FROM HOUSE. COVERED EFFECTIVELY W/ WOOD FRAME, DID NOT
ATTEMPT TO REMOVE.

NO EVIDENCE OF SEPTIC PROBLEM. NO RECORDS IN FILE.

SEE DIAGRAM REVERSE SIDE.

5/8/84 C. Walter

ACTION TAKEN:

5/11/84 Give well tag to driller F.S.

323 FT DEEP

73' CASING

50' + OPENING

20 BAGS CEMENT

FINAL DISPOSITION:

HOSE STABLE

OWNER STATES DRYWELL IN THIS VICINITY. NOTHING VISIBLE

40

0

48

SEPTIC TANK CLEANOUT

EXISTING WELL 4" FIT W/COVER IN GOOD REPAIR.

64

OWNER WISHES TO KEEP FOR WATERING HORSES.

NEW WELL SITE

45'

GEORGE BORAMAN JR
13187 HIGHLAND RD

150

GILLARD, BRIAN HOUSE

DRIVEWAY TO HIGHLAND RD

C1 3435 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 OF ALL CARDS)

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 72

DATE RECEIVED 05/1/84 DATE WELL COMPLETED 05/1/84 Depth of Well 2223 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0531

OWNER Boorman George L. first name last name
 STREET OR RFD 1316 Highland Rd TOWN Highland
 SUBDIVISION taxmap 34 parcel 210 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	
Brown Shale	0	30	
Sand	30	69	
gray mica rock	69	323	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 15 NO. OF POUNDS 1410
 GALLONS OF WATER 90
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 50 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST CO STEEL CONCRETE
 PL OT PLASTIC OTHER
 MAIN Nominal diameter Total depth
 CASING top (main) casing of main casing
 TYPE (nearest inch) (nearest foot)
 S 7 1 72
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter depth (feet)
 inch from to
 EACH CASING

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

C2
 DEPTH (nearest ft.)
 EACH SCREEN
40 71 32.3
 8 9 11 15 17 21
 23 24 26 30 32 36
 38 39 41 45 47 51

A 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. 238
 DRILLERS SIGNATURE Joseph L. Wagner
 (MUST MATCH SIGNATURE ON APPLICATION)

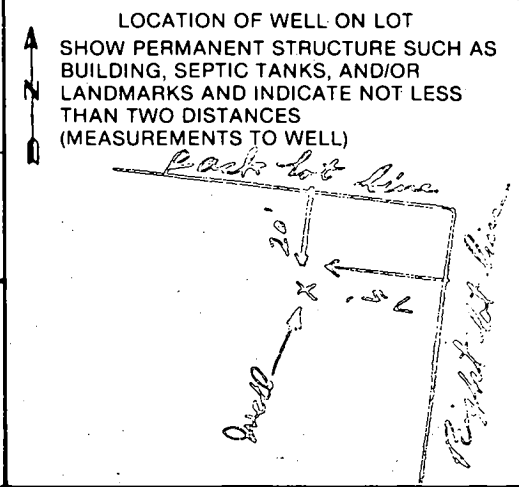
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 5
 METHOD USED TO MEASURE PUMPING RATE air
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 65
 WHEN PUMPING 155
 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: 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 } LAND SURFACE (nearest foot)
 - below } 50 51



B 1 / 3019 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-0531

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

please print or type

fill in this form completely

Date Received

050884

OWNER INFORMATION

BOARMAN L. GEORGE

3127 HIGHLAND RD

HIGHLAND MD 20777

B 3

LOCATION OF WELL

HOWARD COUNTY

Taxmap 34 parcel 210

SECTION - LOT

HIGHLAND

MILES FROM TOWN (enter 0 if in town)

DRILLER INFORMATION

Janech L. Morgan 238 77 License No. 80

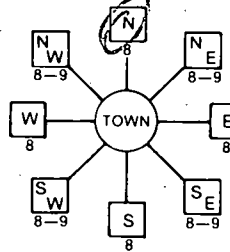
Janech L. Morgan

551 1/2 Bridge Rd. Mt. Airy, Md. 21771

Janech L. Morgan 5/8/94

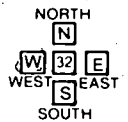
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



13187 Highland Road

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



1/100 DISTANCE FROM ROAD

ENTER FT or MI

B 2 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 COUNTY NAME

A-33919-2 COUNTY NO.

OEP SIGNATURE DATE ISSUED

050884 Frank Shuman 11/8/84

NORTH GRID 492000 EAST GRID 0807000

APPROXIMATE DEPTH OF WELL 220 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 DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y 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 DEEPEIN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER GAP

FORCE FS WRITE INITIALS IN BOX PERMIT No. 40-81-0531

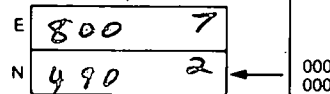
SPECIAL CONDITIONS

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

