. SUPPLY BRANCH

JION OF ENVIRONMENTAL CONTROL
O. BOX 1401
DOVER, DELAWARE 19903

## DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WELL COMPLETION BETTOOL WELL COMPLETION BETTOOL

PERMIT NO 111135 LOCAL ID  OWNER ROSS CYOPPER  CONSTRUCTION DATE 3-3-9.7 PURPOSE: TEST BYPERMANENT  USE: DOMESTIC  LISE: TISE: PEOM ANY FOUNDATION  LISE: DOMESTIC  LISE: TISE: DOMESTIC  A AT LEAST 19: FROM ANY FOUNDATION  LISE: DOMESTIC  A AT LEAST 19: FROM ANY FOUNDATION  LISE: DOMESTIC  A AT LEAST 19: FROM ANY FOUNDATION  LISE: THE COMPLETED WELL  LISE: TO FROM ANY SEPTIC TANK DIP - D.  A AT LEAST 19: FROM ANY FOUNDATION  LISE: THE COMPLETED WELL  LISE: TO FROM ANY FOUNDATION  LISE: THE COMPLETED WELL  LISE: TO FROM ANY FOUNDATION  LISE: THE COMPLETED WELL  LISE: THE COMPLETED WELL  LISE: TO FROM ANY FOUNDATION  LISE: THE COMPLETED WELL  LISE: THE	PLEASE PRINT  WELL COMPLETION REPORT					
OWNER ROSS CYOPPER  CONSTRUCTION DATE 3-27-77 PURPOSE:   TEST	11/136	LOCALID	TYPE OF PERMI	ANENT BUILD	INOTAL LED	
CONSTRUCTION DATE  PURPOSE:   TEST	0 10 (					
CONSTRUCTION DATE	OWIER STOPPE					
PURPOSE:   TEST	CONSTRUCTION DATE 3-2	7-97				
USE: DOMESTIC   GARICULTURAL   COMMERCIAL   INJUSTRIAL   CHARLEST IS FROM ANY FOUNDATION   CHARLEST IS FROM ANY FOUNDATION   CHARLEST IS FROM ANY SUPPLETANK   CHARLEST IS FOR ANY SUPPLETANK   CHARLEST IS FROM ANY SUPPLETANK   CHARLEST IS FOR ANY SUPPLETANK   CHARLEST						
IS THIS A REPLACEMENT WELL? YES \$D-100    ABANDONMENT DATE FOR OLD WELL  ABANDONMENT METHOD   DEATON 1 & Clay    DRILLING METHOD   DEATON 1 & Clay   DRILLING METHOD   DEATON 1 & CABLE TOOL     DRIVEN   DETTED   AIR ROTARY     DTHER (Specify)     TOTAL DEPTH ORILLED   DATE     CASING TOP   CASING SEQUENCE     STATIC WATER LAPPOVAL FOR SCREENING     DRIVEN   DETTED   DUTER     SCREEN BOTTOM   CASING DITTER     SCREEN MATERIAL   DVC     STATIC WATER LEVEL DATE     DFILL RS ADAPTOR ID     FIRE WATER LEVEL DATE     DFILL RS ADAPTOR ID     CASING TOP     CASING TOP     CASING TOP     CASING MATERIAL   DATE     SCREEN MATERIAL   DATE     DRIVEN   DATE     DRI	☐ COMMERCIAL ☐ INDUSTRIAL ☐ IRRIGATION ☐ PUBLIC ☐ OBSERVATION ☐ DEWATERING		A. AT LEAST 15' FROM ANY FOUNDATION  B. AT LEAST 50' FROM ANY SEPTIC TANK  C. AT LEAST 10' FROM TOWN SEWER LINE  D. AT LEAST 100' FROM THE NEAREST EDGE			
DRILLING METHOD  AUGERED  BORED  CABLE TOOL  DRIVEN  UETTED  ARROTARY  DRIVEN  CASING SEQUENCE  CASING SEQUENCE  CASING TOP CASING BOTTOM CASING BOTTOM CASING MATERIAL  SCREEN SEQUENCE  SCREEN SEQUENCE  SCREEN BOTTOM SCREEN BO	IS THIS A REPLACEMENT WELL? YES TO NO		SEPTIC TILE FIELD CESSPOOL OR PRIVY IS			
DRIVEN   JETTED   DARE TOOL   DRIVEN   JETTED   DARE TOOL   DRIVEN   JETTED   DARE NOTARY   DEVERSE   WASHED   DATE   DRIVEN   DIFFER WASHED   DATE	DRILLING METHOD			CHANGE OR OTH	IER COMMENTS	
CASING SEQUENCE  CASING TOP CASING BOTTOM CASING BOTTOM CASING DIAMETER CASING MATERIAL  SCREEN SEQUENCE  INNER  CASING MATERIAL  SCREEN SEQUENCE  INNER  SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING OF THATA ONE ADULTER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING OF THATA ONE ADULTER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING OF THATA ONE ADULTER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING OF THATA ONE ADULTER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING OF THATA  TOP SOLID  WRITTEN APPROVAL FOR	☐ DRIVEN ☐ JETTED ☐ MUD ROTARY ☐ REVERSE	☐ AIR ROTARY				
CASING SEQUENCE    NAMER	1	85'			A	
CASING TOP CASING BOTTOM CASING DIAMETER CASING MATERIAL  SCREEN SEQUENCE  INNER  SCREEN SEQUENCE  INNER  SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN MATERIAL  MRITTEN APPROVAL FOR SCREENING CHERN MATERIAL  DIJLLERS LOG DESCRIPTION TOP OF STRATA BOTTOM OF STRATA  TOP SO, I O' S'  FINE SGNC S' 23'  GROUT TYPE: CEMENT D BENTONITE CLAY D OTHER: FROM O' TO 245' FEET NON-GROUT BACKFILL OF WELL ANNULUS TYPE MALE-LS I FROM 245' TO 255' FEET GRAVEL PACK: 1/96 GRAVEL PA	TO ME SEL MI STREETS			*		
CASING TOP CASING BOTTOM CASING DIAMETER CASING MATERIAL  SCREEN SEQUENCE  SCREEN SEQUENCE  SCREEN SEQUENCE  SCREEN SOTTOM SCREEN BOTTOM SCREEN DIAMETER SCREEN DIAMETER SCREEN DIAMETER SCREEN DIAMETER SCREEN MATERIAL  FUC  WRITTEN APPROVAL FOR SCREENINGY GROUT TYPE: CEMENT   BENTONITE CLAY   OTHER: FROM O TO 245 FEET NON-GROUT BACKFILL OF WELL ANNULUS TYPE WALLAS! FROM 245 TO 255 FEET GRAVEL PACK; WELL STATIC WATER LEVEL DATE  STATIC WATER LEVEL DATE  STATIC WATER LEVEL DATE  AFT. (Below Negroy GROUND SURFACE PUMPING WATER LEVEL DATE AFTER HOURS AT 60 GPM.  WELL HEAD COMPLETION: TYPE: PITLESS ADAPTOR DO  OTHER OTHER OF MALLER NO ALBERT OF	CASING SEQUENCE			•	s seeks to	
CASING BOTTOM CASING DIAMETER CASING MATERIAL  PVC  SCREEN SEQUENCE  INNER  SCREEN TOP SCREEN BOTTOM SCREEN BOTTOM SCREEN BOTTOM SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING GRAVEL PACKING MORE HAM ONE ADUL TYPE ANGLACEL FROM 245' TO 255' FEET GRAVEL PACK: TYPE FROM TO THER THOM FRET  STATIC WATER LEVEL DATE  FROM FIET  FROM FIET  STATIC WATER LEVEL THE FROM FROM FROM FROM FROM FROM FROM FROM	INNER	OUTER	1		1007	
CASING DIAMETER CASING MATERIAL  PVC  SCREEN SEQUENCE    NINER	, 43				1881	
CASING MATERIAL  SCREEN SEQUENCE  INNER  SCREEN TOP SCREEN BOTTOM SCREEN BOTTOM SCREEN DIAMETER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING COLLIFER MUST BE OBTAINED FROM SWARCE  GROUT TYPE: CEMENT DENTONITE CLAY D  OTHER: NON-GROUT BACKFILL OF WELL ANNULUS TYPE A GLACK STEET GRAVEL PACK. SECOND SURFACE PUMPING WATER LEVEL, DATE  J. FT. (Below, book) GROUND SURFACE PUMPING WATER LEVEL, DATE  AFTER HOURS AT 60 GPM.  WELL HEAD COMPLETION: TYPE: PITLESS ADAPTOR D  OTHER: OTHER D  SUPPLEMENTAL DRILLERS LOG DESCRIPTION TOP OF STRATA BOTTOM OF STRATA  TOP SOLI O'  S'  FINE SQN.						
SCREEN SEQUENCE    NINER   OUTER     270     SCREEN BOTTOM   3 & 5     SCREEN BOTTOM   3 & 5     SCREEN BOTTOM   3 & 5     SCREEN MATERIAL   PUC     GROUT TYPE: CEMENT   BENTONITE CLAY   DITTER APPROVAL FOR SCREENING OF THAN ONE TAN ONE TAN ONE TAN ONE TO PER WILL ANNULUS     FROM   O'   TO   2 4 5	20		\$ \lambda_{\infty}	-		
SCREEN TOP SCREEN BOTTOM SCREEN DIAMETER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING/ GRAVEL PACKING MORE THAN ONE ADU- IFER MUST BE OBTAINED FROM DNREC.  GROUT TYPE: CEMENT  BENTONITE CLAY  OTHER: NON-GROUT BACKFILL OF WELL ANNULUS TYPE MALL PACK, TYPE STATIC WATER LEVEL DATE STATIC WATER LEVEL DATE STATIC WATER LEVEL DATE AFTER HOURS AT FORM WELL HEAD COMPLETION: TYPE: PITLESS ADAPTOR  OTHER O	ONGING HOTICITIVE		1-22-21		. •	
SCREEN TOP SCREEN BOTTOM SCREEN BOTTOM SCREEN DIAMETER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING/ GRAVEL PACKING MORE THAN ONE AGU. FER MUST BE CORTANDE FROM ONEC.  FROM O' TO 2 45' FEET NON-GROUT BACKFILL OF WELL ANNULUS TYPE MALLY SI FROM 245' TO 255' FEET GRAVEL PACK: WELL STATIC WATER LEVEL. DATE  J. FT. (Below, bove) GROUND SURFACE PUMPING WATER LEVEL. T FT. BELOW GRADE AFTER HOURS AT 60 GPM.  WELL HEAD COMPLETION: TYPE: PITLESS ADAPTOR ID OTHER O			K, LZ ZI	(* i	e	
SCREEN DIAMETER SCREEN MATERIAL  PUC  WRITTEN APPROVAL FOR SCREENING, GRAVEL PACKING MORE THAN ONE AGU. FER MUST BE OBTAINED FROM DIREC.  OTHER: FROM O' TO 245' FEET  NON-GROUT BACKFILL OF WELL ANNULUS TYPE NGTHERS! FROM 245' TO 255' FEET  GRAVEL PACK: FROM 245' TO 255' FEET  GRAVEL PACK: FROM 345' TO 255' FEET  GRAVEL PACK: FROM 541C WATER LEVEL DATE  25 FT. (Below, above) GROUND SURFACE PUMPING WATER LEVEL. FT. BELOW GRADE  AFTER HOURS AT 60 GPM.  WELL HEAD COMPLETION: TYPE: PITLESS ADAPTOR D  OTHER D  24' INCHES ABOVE GRADE.	SCREEN TOP 370		1 1 3	1		
SCREEN DIAMETER SCREEN MATERIAL  WRITTEN APPROVAL FOR SCREENING GRAVEL PACKING MORE THAN ONE ADU- IFER MUST BE OBTAINED FROM ONREC.  GROUT TYPE: CEMENT   BENTONITE CLAY   D  OTHER: FROM   O'   TO   2 45'   FEET  NON-GROUT BACKFILL OF WELL ANNULUS TYPE MALLY I FROM   245'   TO   255'   FEET  GRAVEL PACK: 196   FROM   O'   O'   S'  GRAVEL PACKING MORE THAN ONE ADU- IFER MUST BE OBTAINED FROM ONREC.  FINE SCALL   S'   23'  FINE SCALL   S'   23'  WELL PACKING MORE THAN ONE ADU- IFER   O'   S'  FINE SCALL   S'   W'  FINE SCALL   S'   A'  FINE SCALL	1	·	DRILLERS LOG DESCRIPTION	TOP OF STRATA	BOTTOM OF STRATA	
WRITTEN APPROVAL FOR SCREENING GRADE MISSING GRADE PROM ONE ADD AND A QUIFER MUST BE OBTAINED FROM DN RACU IFER MUST BE OBTAINED FROM DN REC.  GROUT TYPE: CEMENT   BENTONITE CLAY   D    OTHER: FROM   TO   245' FEET  NON-GROUT BACKFILL OF WELL ANNULUS TYPE // RELIGION   RECEIPT    GRAVEL PACK: / YPE	JOHN DINWEICH					
GROUT TYPE: CEMENT   BENTONITE CLAY   DID    OTHER: FROM   O'   TO   245'   FEET    NON-GROUT BACKFILL OF WELL ANNULUS  TYPE   Not and   FROM   FROM   FEET    STATIC WATER LEVEL DATE   Gray Sand   Gray   GROUND SURFACE    PUMPING WATER LEVEL DATE   Gray Sand   Gray   GROUND SURFACE    PUMPING WATER LEVEL DATE   Gray Sand   Gray   Ground    STOWN   Marsh Clay   23'   48'    Course Gray Sand   Gray   63'    Gray Sand   Gray   60'   202'    Gray Sand   Gray   Gray   Gray    Gray Sand   Gray   Gray   Gray    Gray Sand    Gray Sand	GOREEIA MATERIAL   F	EN ADDROVAL FOR CORESUMO			1	
OTHER:  FROM O' TO 245' FEET  NON-GROUT BACKFILL OF WELL ANNULUS  TYPE NOLLY STATIC WATER LEVEL: DATE  STATIC WATER LEVEL. DATE  PUMPING WATER LEVEL. J. FT. BELOW GRADE  AFTER HOURS AT 60 GPM.  WELL HEAD COMPLETION:  TYPE: PITLESS ADAPTOR DE  OTHER D  AY INCHES ABOVE GRADE.  FINE Gray Sand 44 Gray Sand 63' 160'  COUSE Gray Sand 63' 160'  Rlue Sand + Silt 160' 202'  Rlue Sand + Silt 160' 202'  Rlue Sand + Shells 222' 237'  Gray Sand + Gravel 202' 222'  Blue Sand + Shells 222' 237'  Gray Sand + Gravel 202' 222'  SIGNATURE OF BRILLERS LOG ATTACHED YES D NOTE  PAGE 1 OF PAGES  COMPANY NAME DAWLYS WELL DULING  SIGNATURE OF BRILLERS IN CHARGE: DATE	GRAVE IFER M	L PACKING MORE THAN ONE AQU- UST BE OBTAINED FROM DIREC.		8'	۵۶	
FROM	GROUT TYPE: CEMENT   BENTONIT	E CLAY D	Brown Marsh Clay	23		
NON-GROUT BACKFILL OF WELL ANNULUS  TYPE NOT LIVE   FROM 245' TO 255' FEET  GRAVEL PACK: TYPE   FROM 245' TO 255' FEET  GRAVEL PACK: TYPE   FEET  STATIC WATER LEVEL: DATE   Gray Sand & Grave   202' 222'  STATIC WATER LEVEL: DATE   Blue sand & Shells 222' 237'  Gray Sand & Grave   202' 222'  Gray Sand & Grave	34/61		Fine gray sand	48'	63'	
TYPE Matural FROM 245' TO 255' FEET  GRAVEL PACK: TYPE FROM	1221		Course Gray Send	63'	160'	
FROM	TYPE Natural FROM 245' TO 255' FEET		Plue sand + clay	160'		
STATIC WATER LEVEL: DATE  STATIC WATER LEVEL: DATE  STATIC WATER LEVEL: DATE  BY RESEARCH Shells 222' 237'  Gray Sand Shells 232' 237'  Gray Sand Gravel 266'  WELL HEAD COMPLETION:  TYPE: PITLESS ADAPTOR D  OTHER D  AY INCHES ABOVE GRADE.  BY RESEARCH Shells 222' 237'  Gray Sand Gravel 266'  SUPPLEMENTAL DRILLERS LOG ATTACHED YES DOWN PAGE 1 OF PAGES COMPANY NAME DAMEYS WELL Dulling SIGNATURE OF PRILLER IN CHARGE: DATE	1/0440		Grav sand+ Gravel	202'	222'	
FT. (Below, Book) GROUND SURFACE PUMPING WATER LEVEL	STATIC WATER LEVEL: DATE		Blue sand + Shells		237′	
AFTERHOURS AT	FT. (Below, bove) GROUND SURFACE			222/	266'	
WELL HEAD COMPLETION:  TYPE: PITLESS ADAPTOR D  OTHER D  AY INCHES ABOVE GRADE.  SUPPLEMENTAL DRILLERS LOG ATTACHED YES D  PAGE 1 OF PAGES  COMPANY NAME DANLYS WELL DULLING  SIGNATURE OF PRILLER IN CHARGE: DATE				4 4 7		
TYPE: PITLESS ADAPTOR TO PAGES OTHER CI	GPM,		bray sand + Grave)	269	482	
TYPE: PITLESS ADAPTOR TO PAGES OTHER CI	WELL HEAD COMPLETION:	SUPPLEMENTAL DRILLERS LO	OG ATTACHED V	ES 🗆 NO 🕰		
OTHER [] COMPANY NAME LANGE Well Kulling SIGNATURE OF BRILLER IN CHARGE: DATE	i					
1 . X = 1 = . X		COMPANY NAME Laweys Well Kulling				
	1 & Y INCHES ABOVE GRADE.			HARGE:	DATE	