

MAIL TO:
 WATER SUPPLY SECTION
 DIVISION OF WATER RESOURCES
 89 KINGS HIGHWAY
 DOVER, DELAWARE 19901

STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 AND ENVIRONMENTAL CONTROL

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED
 AND PERMIT RECEIVED BEFORE
 DRILLING IS STARTED.

APPLICATION FOR A PERMIT
 TO CONSTRUCT A WELL

- OFFICIAL USE ONLY -

PHONE: 302-739-3665
 FAX: 302-739-7764

PAGE # 4 OF 4 PAGES
 PERMIT NO: 192788

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE TYPE OR PRINT - USE BLUE OR BLACK INK ONLY

Property Owner: Kenny Bivens
 Address: Rt 2 Box 71 B
 City: Seabrook State: De Zip: 19975
 Telephone Number: 436-2732
 Licensed Preparer/WC: Daisey's well Drilling Inc
 Lic. #: 13 Date of Application: 3-27-03
 Estimated Construction Date: 4-5-03

PURPOSE: Test Permanent Temporary for Well Construction

USE: Domestic Irrigation
 Industrial Agricultural
 Public Heat Pump Supply
 Miscellaneous Public Heat Pump Recharge
 Other (Specify): Closed Loop Heat Pump

Is this a replacement well? NO YES (Reason):
 Is public water available? NO YES (Utility):
 On public sewage? YES OR Septic system permit #:

PROPOSED WELL CONSTRUCTION:

	Inner Casing	Outer Casing
Approximate total depth:	ft. <u>80</u>	ft. <u>80</u>
Casing top (above grade):	in. <u>12</u>	in. <u>12</u>
Casing bottom (below grade):	ft. <u>70</u>	ft. <u>70</u>
Casing diameter:		<u>4"</u>
Casing material:		<u>PVC</u>
Proposed screen setting:	<u>70</u> ft. TO: <u>80</u> ft. Material: <u>PVC</u>	
Type of Grout:	<u>Bentonite clay</u> From: <u>0</u> To: <u>65'</u>	
Gravel pack:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES From: <u>66'</u> To: <u>80'</u>	
Maximum capacity:	<u>20</u> (GPM) Max. Daily Withdrawal: <u>800</u> (GPD)	

Will the operation of this well by itself or in combination with any other well(s), owned or operated by the permittee, withdraw greater than 50,000 gallons in any 24 hr. period? NO YES

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

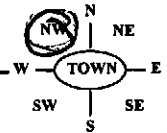
Michael G. Daisey 3-27-03
 Signature - Licensed Preparer/Water Well Contractor Date
Kenny Bivens 3-27-03
 Signature - Property Owner Date

Please release the contractor's copy of the permit and the well tag to the water well contractor noted on this application:
 YES NO

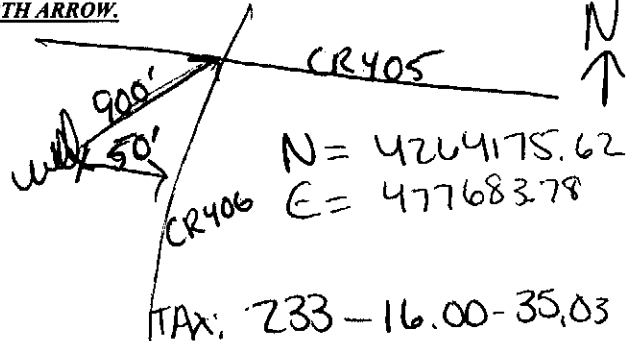
LOCATION MAP - ROAD MAP

County: New Castle Kent Sussex
 Subdivision: _____
 Lot #: _____ ADC Map Grid: _____
 Tax Map/Parcel #: 233-16-35 parcel E
 Name of Nearest Town: Frankford
 Distance to Nearest Town: 2.5 mile

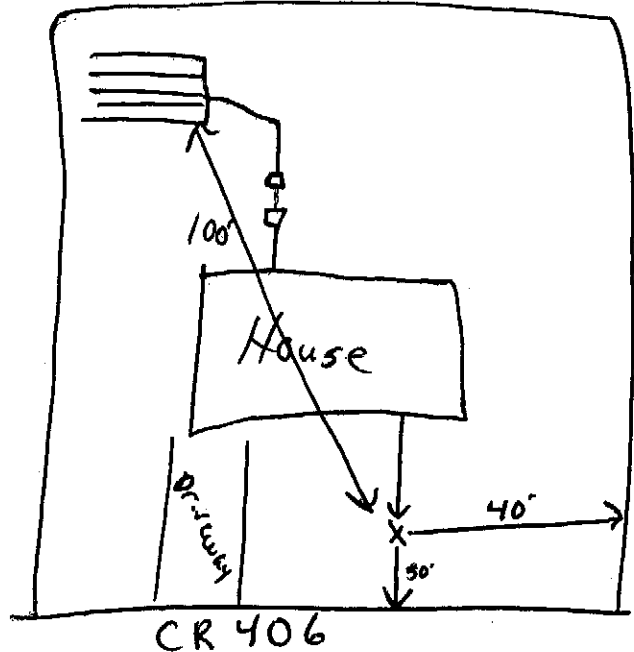
DIRECTION OF WELL FROM TOWN (CIRCLE DIRECTION)



Draw a sketch below showing location of well in relation to at least two county or state roads, give distance from well site to nearest road junction and SHOW A NORTH ARROW.



Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available).



PERMIT #: 192788

- FOR OFFICIAL USE ONLY - DO NOT WRITE BELOW THIS LINE -

Received By: RECEIVED Modified Grid: 168-064 DRBC: YES NO X-Coord: 214014
 Amount: _____ Drainage Basin: 308 H₂O Utility: _____ Y-Coord: 58379.5
 Date: MAR 28 2003 Quad: Millsboro Flood Zone/Coastal: 0001 1574 DOT #: DOMESTIC

WATER SUPPLY

Canary - Work • Pink - Owner • Goldenrod - Contractor

Doc No. 40-08/85/05/01-EC 2

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WELL COMPLETION REPORT
MUST BE RETURNED WITHIN 30
DAYS OF CONSTRUCTION. A
WELL FORMATION LOG MUST BE
INCLUDED WITH THIS REPORT.

WELL COMPLETION REPORT

- OFFICIAL USE ONLY -

PAGE 1 OF 2 PAGES

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Permit # of completed well: 192288-W Local ID: P-1
Tax Map/Parcel #: 2-33-2-3
Property Owner: Indian River Power, LLC
Water Well Contractor: HYNDS & ASSOC WC Lic #: 919
Well Driller in Charge during Construction: MNR HYNDS

WELL CONSTRUCTION METHOD

Augered
 Bored
 Cable Tool
 Driven
 Jetted
 Air Rotary
 Mud Rotary
 Reverse
 Washed
 Other (Specify): _____
Total Depth of Excavation: 14'
Construction Date: 4/14/03

CASING INSTALLATION:

INNER CASING

OUTER CASING

	(1)	(2)	(3)	(4)	(5)	(6)	
CASING TOP:	<u>+2.5</u>	_____	_____	_____	_____	_____	_____
CASING BOTTOM:	<u>3.0'</u>	_____	_____	_____	_____	_____	_____
CASING DIAMETER:	<u>2"</u>	_____	_____	_____	_____	_____	_____
CASING MATERIAL:	<u>PVC</u>	_____	_____	_____	_____	_____	_____

SCREEN INSTALLATION

SCREEN TOP:	<u>4'</u>	_____	_____	_____	_____	_____	_____
SCREEN BOTTOM:	<u>14'</u>	_____	_____	_____	_____	_____	_____
SCREEN DIAMETER:	<u>2"</u>	_____	_____	_____	_____	_____	_____
SCREEN MATERIAL:	<u>PVC</u>	_____	_____	_____	_____	_____	_____

Gravel Pack From: 14' ft. To: 3' ft.
Grout Type: Cement Bentonite Clay
 Other: _____ From: 3' ft. To: 0' ft.
Type of Non-Grout backfill of Well Annulus: NONE
From: _____ To: _____
Static Water Level: 8 ft. Below OR Above Ground Surface
On (date): 4/14/03
Pumping Water Level: N/A ft. On (date): _____
After: _____ hrs. Pumping at: _____ GPM
Was a Geophysical Log Taken? YES NO

TYPE OF PERMANENT PUMP INSTALLED:

Pump Manufacturer: N/A
Rated Capacity (GPM): _____
Pump Intake Setting: _____ Ft. Below Ground Surface:
Pump Installed By: _____ On (date): _____
The location and construction of this well is in Compliance with all permit conditions and all applicable well construction regulations.
 YES NO
If "NO," attach a copy of the approved well permit showing the revised location clearly marked.

COMMENTS: _____

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: _____
Well Head Completed: 30 inches Above (OR) Below Ground Surface
Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO," Please Explain: _____

I HEREBY AFFIRM THE INFORMATION SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

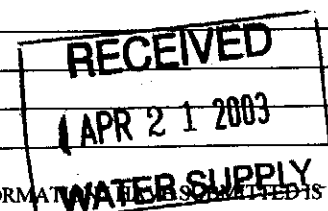
Michael J. Hynes

License #

4026

Date

4/16/03



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FAX: 302-739-2296

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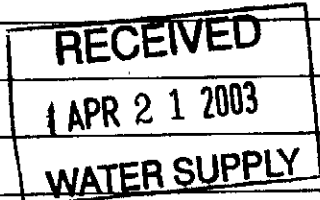
FORMATION LOG

PAGE 2 OF 2 PAGES

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PERMIT#	<u>192788-W</u>	LOCAL ID#	<u>P-1</u>
PROPERTY OWNER	<u>Indian River Power LLC</u>		
WELL CONTRACTOR	<u>HYNES + ASSOC</u>	LIC#	<u>919</u>
DESCRIPTION	TOP OF STRATA	BOTTOM OF STRATA	
<u>BR F/m SA</u>	<u>0 - 4'</u>		
<u>LTBR F/m SA</u>	<u>4 - 7 1/2'</u>		
<u>TAN M/C SA</u>	<u>7 1/2' - 10'</u>		
<u>CR F/m SA</u>	<u>10' - 14'</u>		

OTHER COMMENTS:



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Michael J. Hynes 4026 4/16/03
Signature of Well Driller In Charge License# Date