



Software for Permits,
Inspections and
Production Reporting





~~I Hate Computers!~~
Change is Hard!





START AT THE END

Software is a Service



Not A Car



START AT THE END



Be Flexible



START AT THE END



START AT THE END



Better is *better* than perfect

START AT THE END



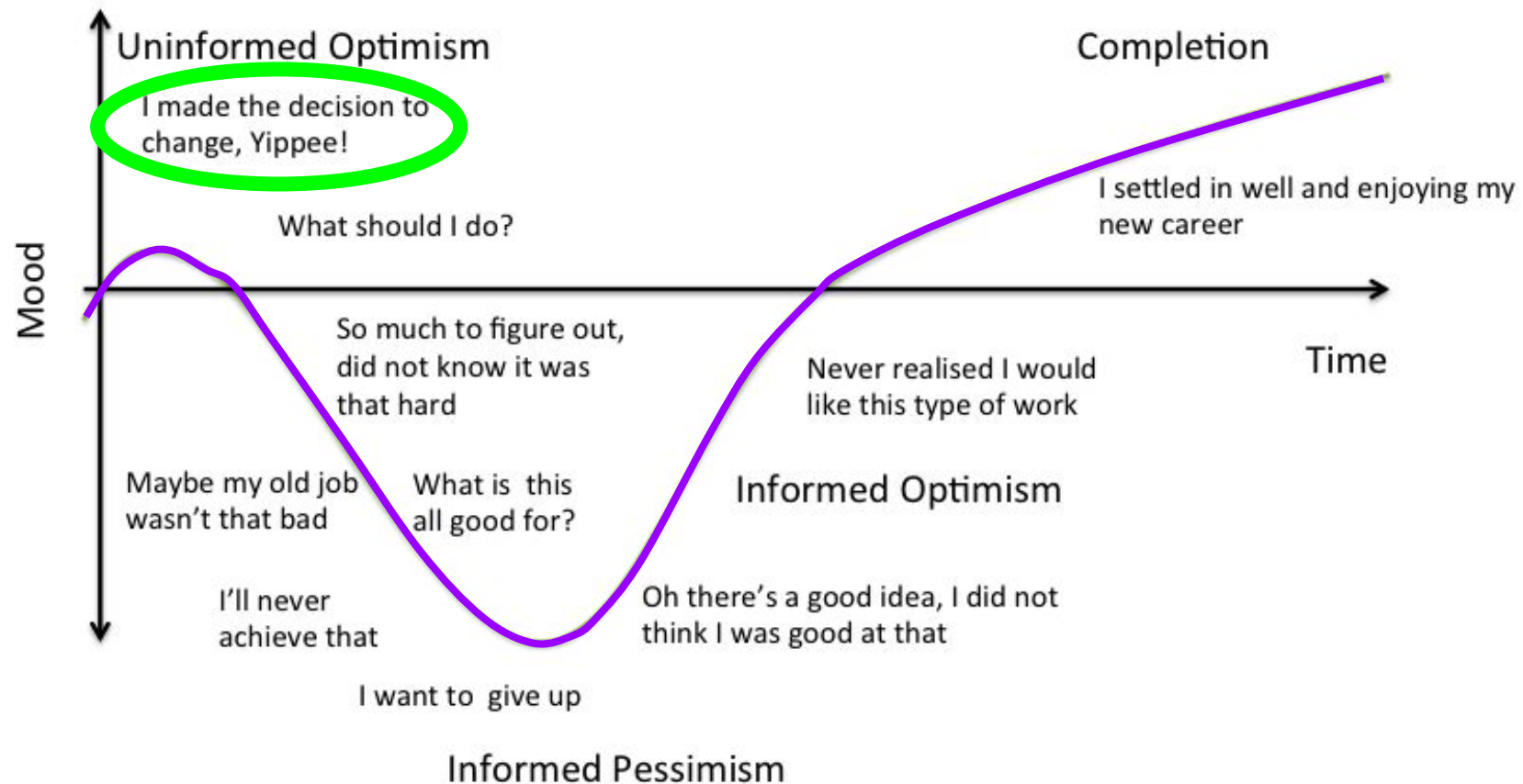
START AT THE END



This may hurt a little

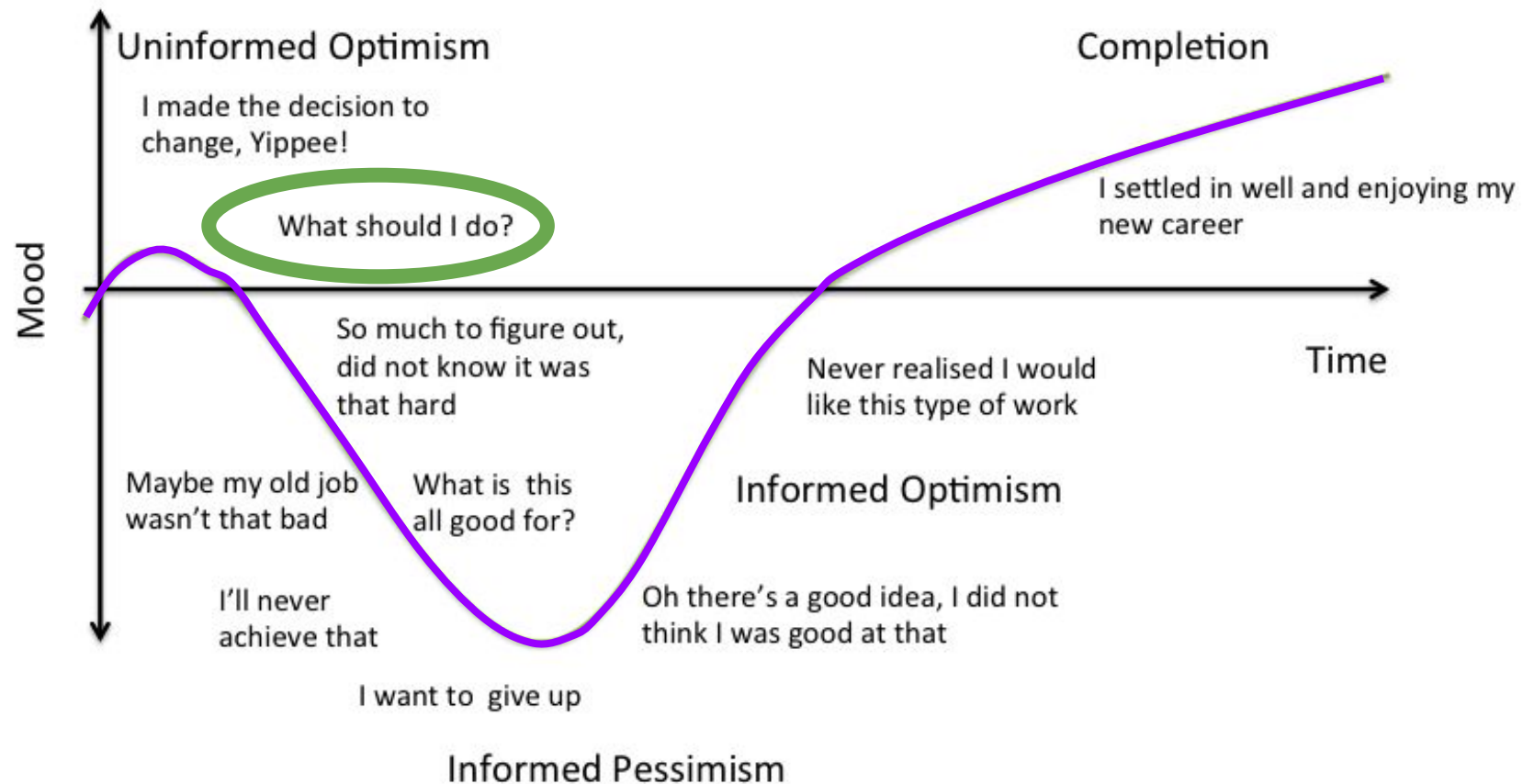
EMOTIONAL CYCLE OF CHANGE

Career Change, the emotional cycle of change.



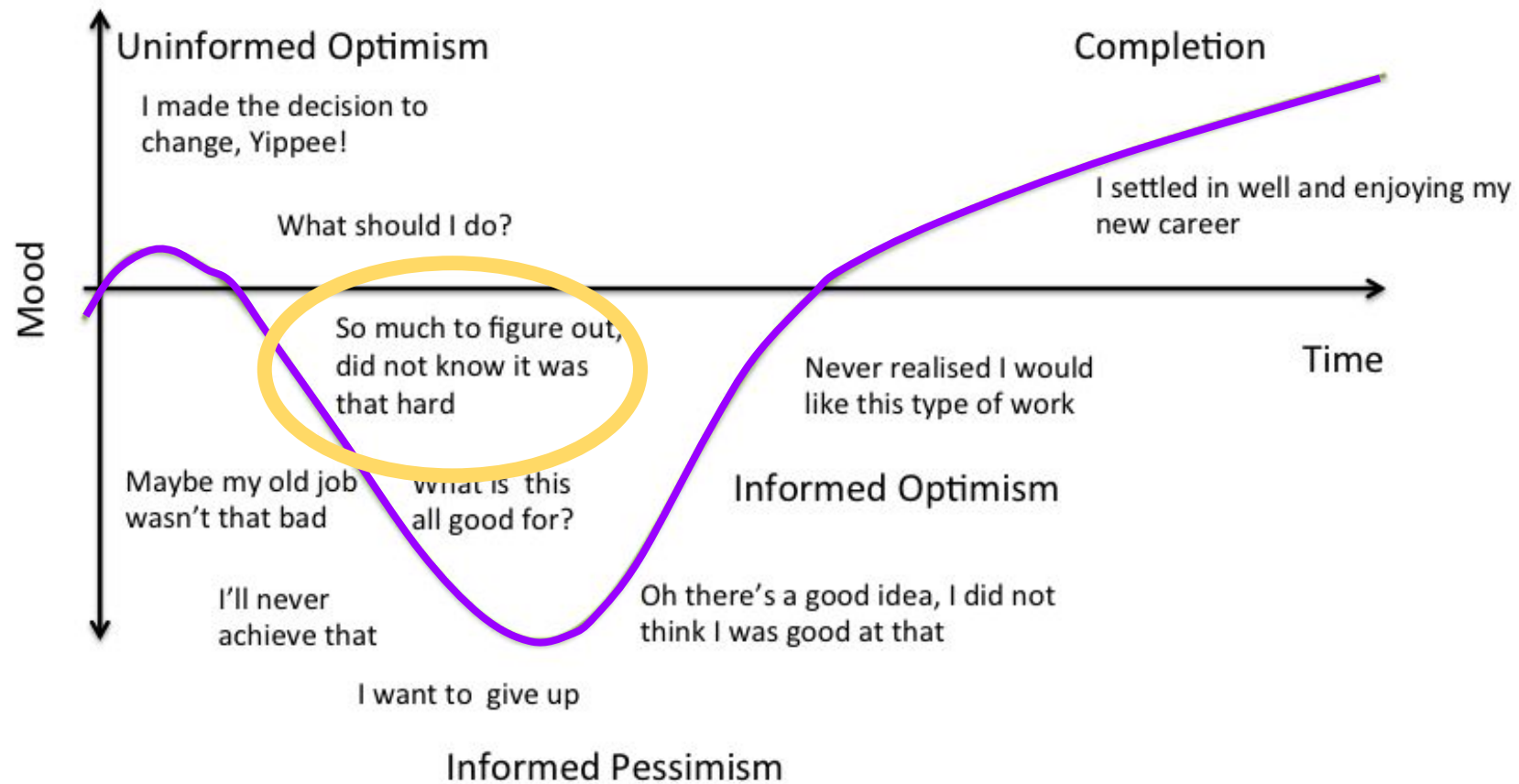
EMOTIONAL CYCLE OF CHANGE

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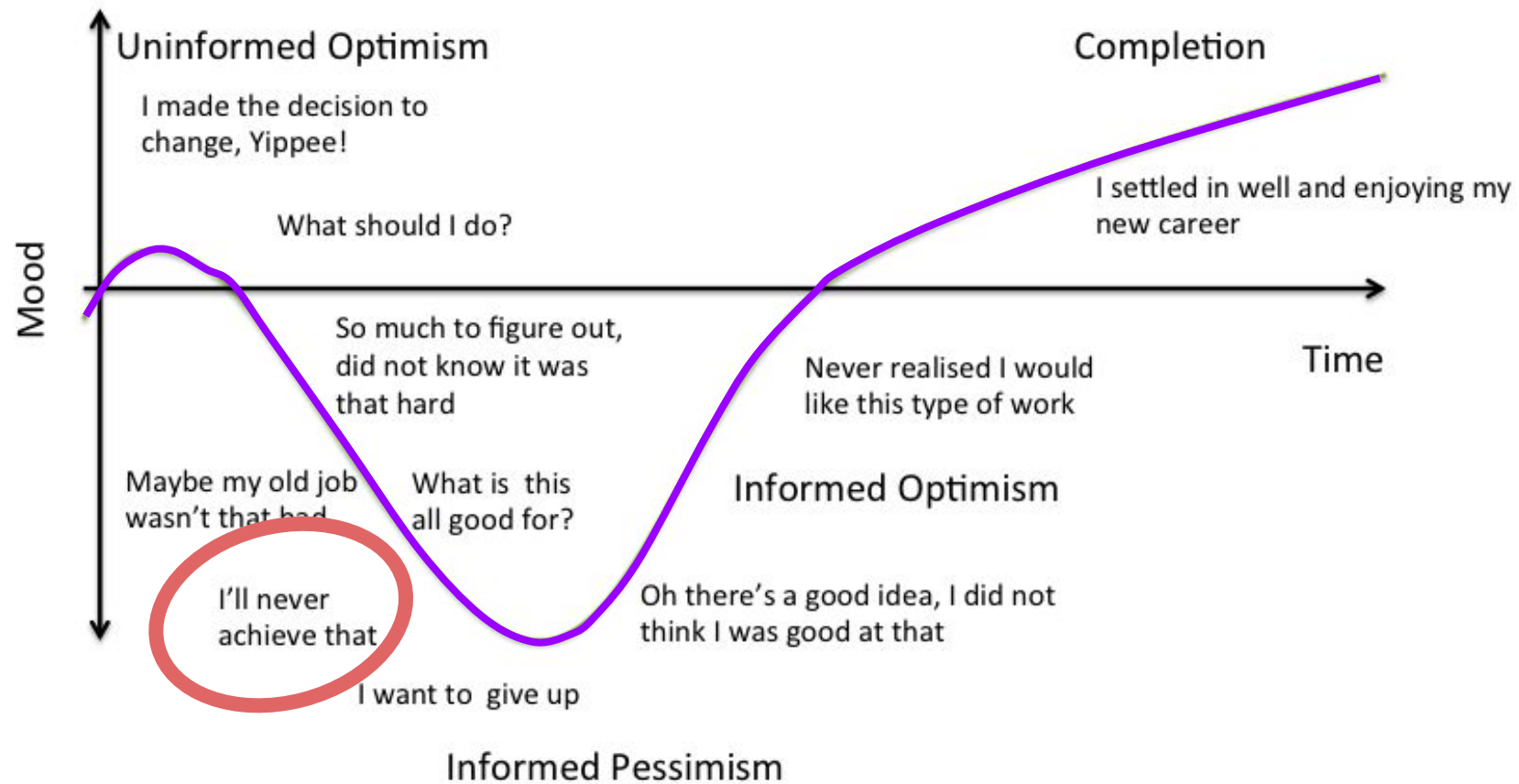
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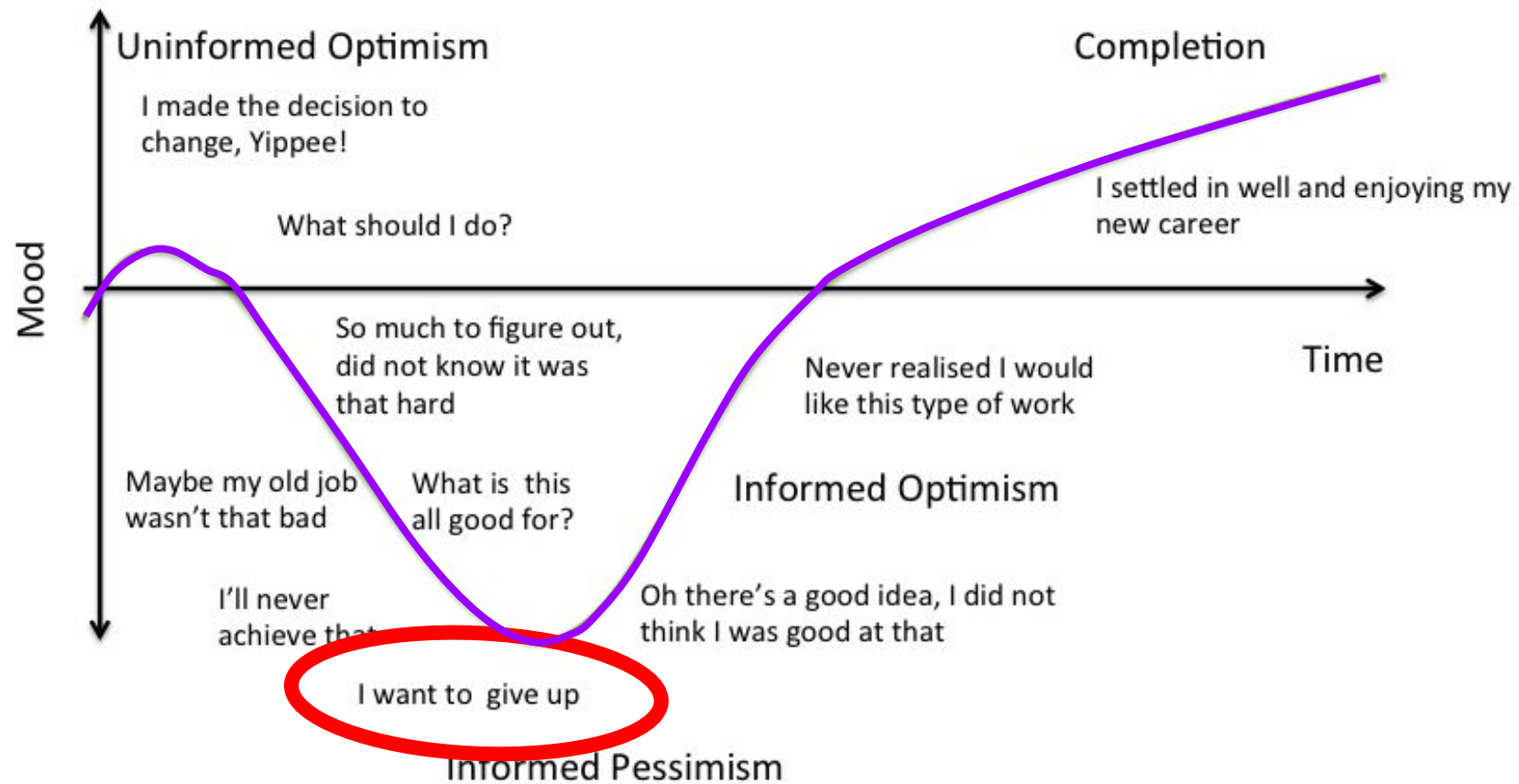
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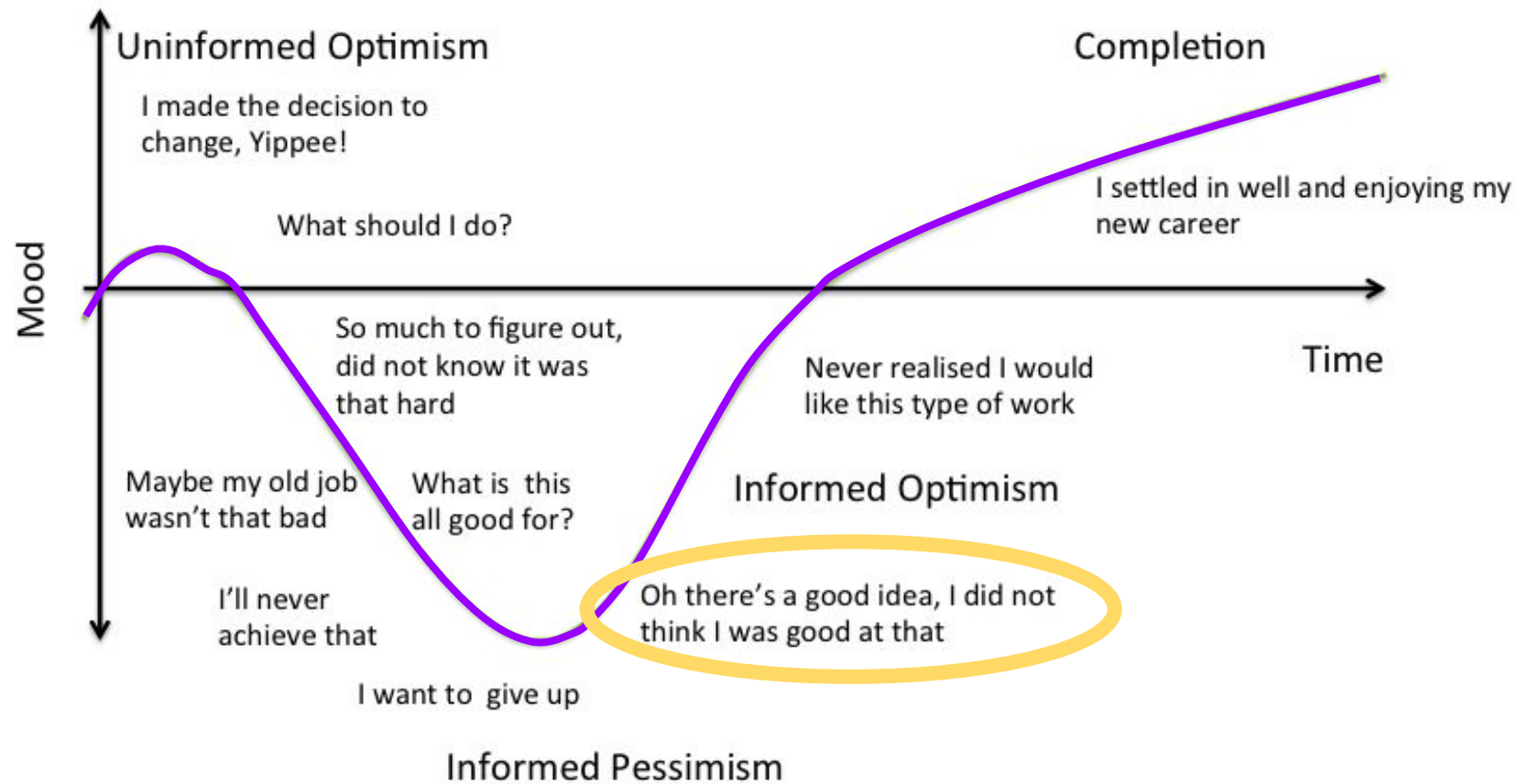
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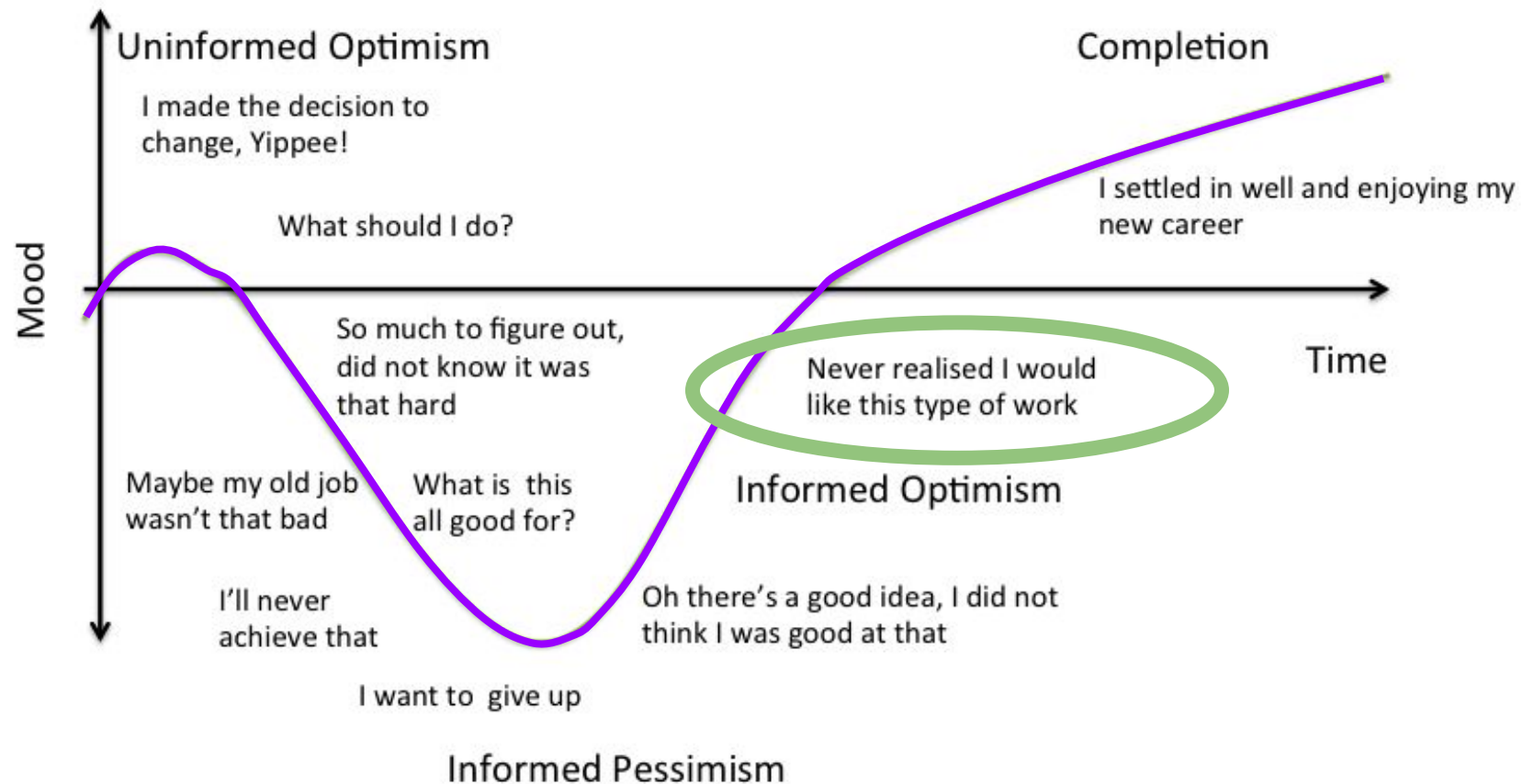
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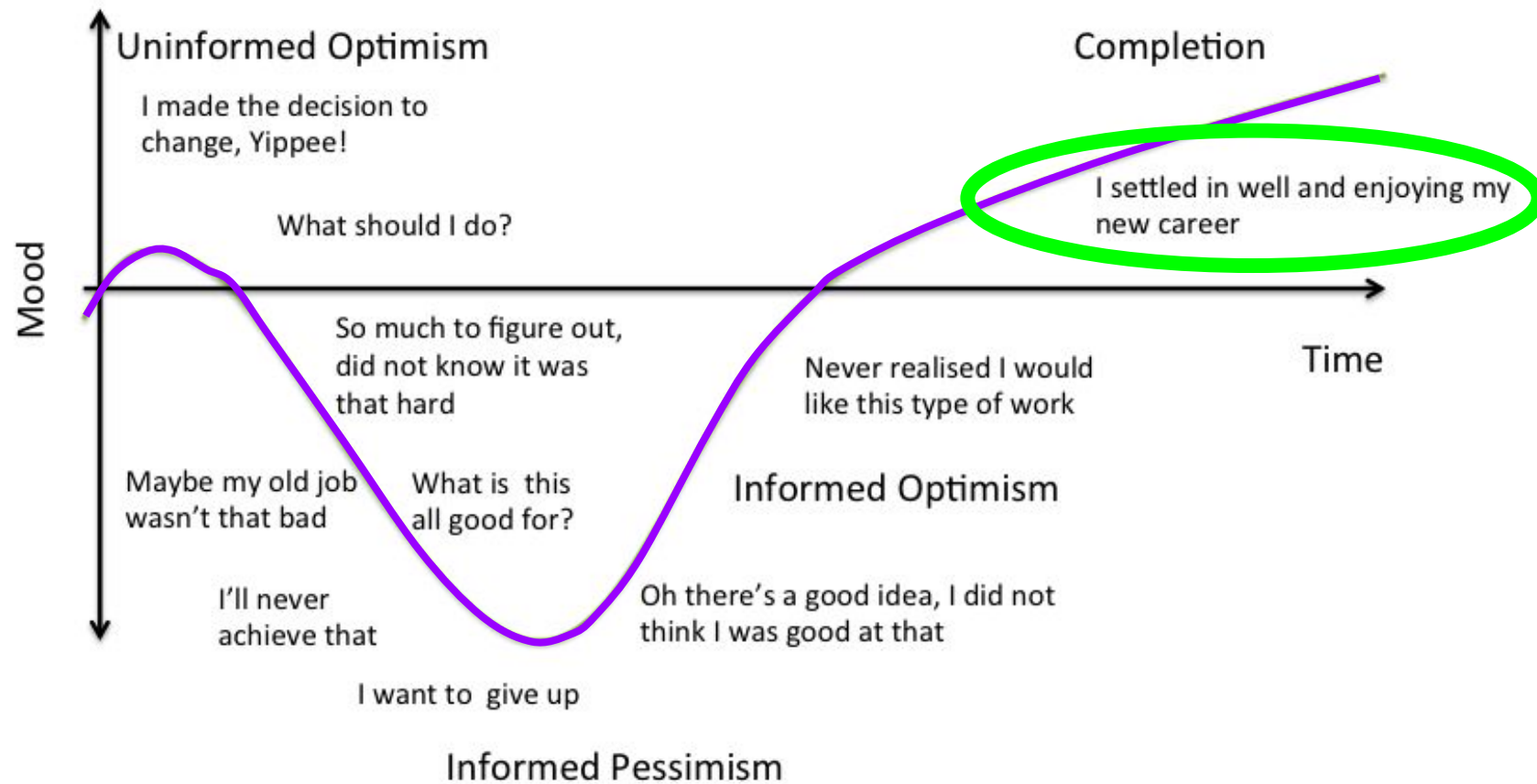
EMOTIONAL CYCLE OF CHANGE

Career Change, the emotional cycle of change.

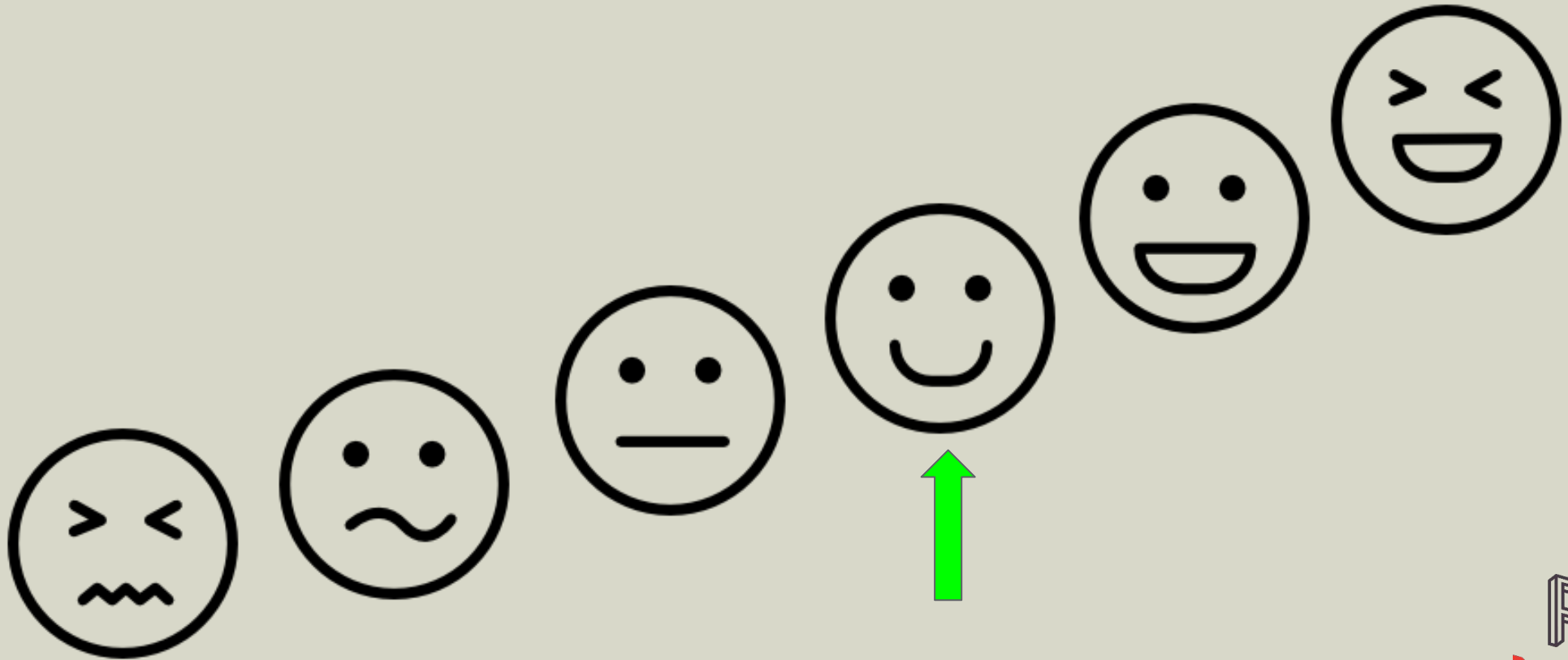


EMOTIONAL CYCLE OF CHANGE

Career Change, the emotional cycle of change.



Pain Chart of Technology Change





RESPEC

Ok...

That's All Great...

But What Did You

Actually Do?



RESPEC

WHERE THINGS WERE

District Programs



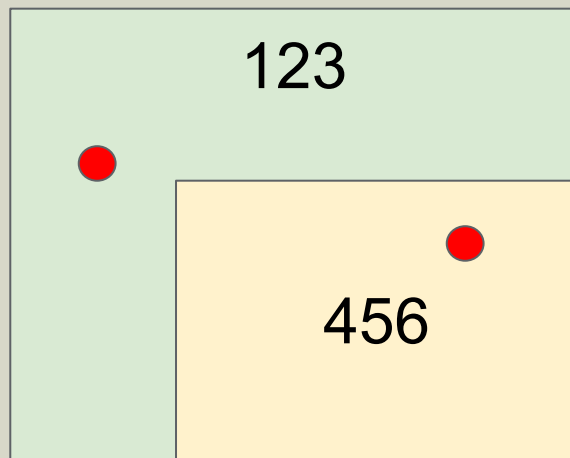
- Well Permitting
- Production Reporting
- Meter Reimbursement
- Inspections
- Compliance

WHERE THINGS WERE

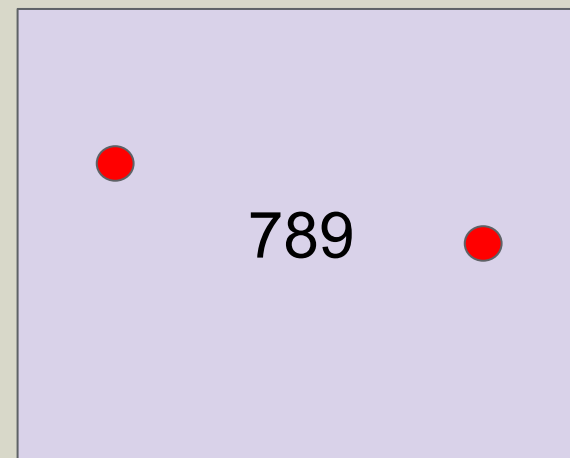
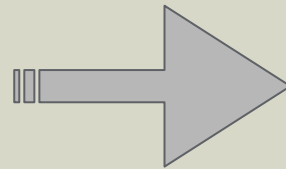


WHERE THINGS WERE

Example: Production Reporting and GPU Pooling



2008 - 2018



October, 2018

LESSONS

- **Data**
 - Quality
 - Cleanup
 - Easy Entry vs Good Data
- **User Experience**
 - Click.. click.. click..
 - More interviews needed
- **Developer Temptations**
 - Change Everything
 - Trust Me, You'll Love It
- **Customer Temptations**
 - I Liked the Old Way
 - Meters are on GPUs

DEMO



Login



Email address

We'll never share your email with anyone else.

Password

NPGCD Application

+

https://northplainsgcd.mapfeeder.net/prod/

Home > Homepage

Logout

Well

Well Number	Description	Application Date	Expiration Date
HA-10783		2018-11-28	2019-05-03
HA-10784		2018-11-28	2019-05-03
HA-10785		2018-11-28	2019-05-03
LI-11162		2019-06-20	2019-11-23
HA-10823		2018-12-18	2019-06-08
HA-10219		2017-08-31	2018-02-02
DA-5576		2012-12-13	2013-05-12
DA-10619		2018-08-01	2019-01-03
DA-5580		2012-12-13	2013-05-12

Production

GPU	Year	Report Status
531	2018	Report created but not sent to GPU Owner
1762	2018	Report created but not sent to GPU Owner
6952	2018	Report created but not sent to GPU Owner
385	2018	Report created but not sent to GPU Owner
1219	2018	Report created but not sent to GPU Owner
1747	2018	Report created but not sent to GPU Owner

Permit Status Count

220

200

180

160

140

120

100

80

60

40

20

0

Pre-Drill

Board

Post-Drill

Administrative

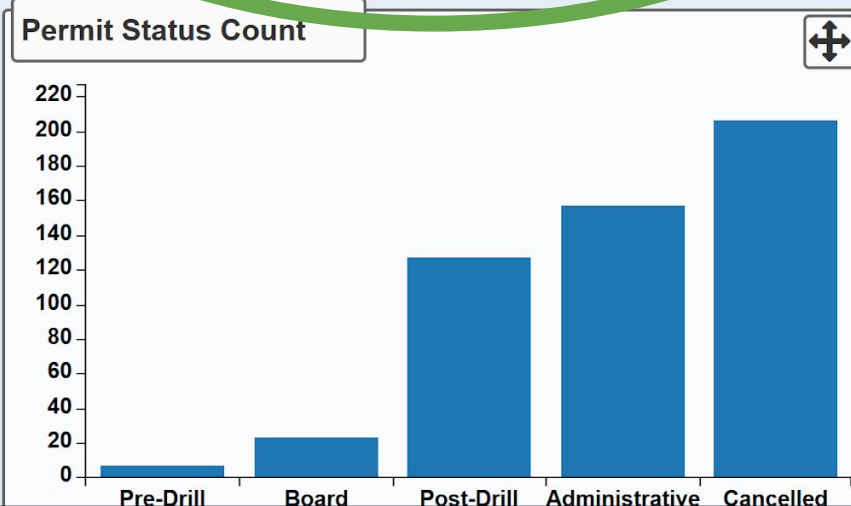
Cancelled

People

GPU

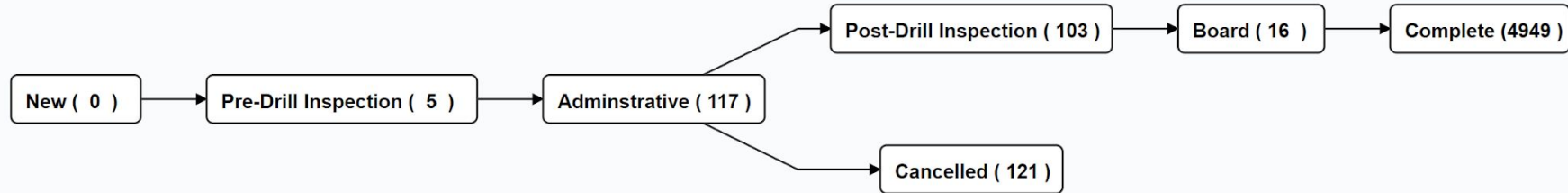
The logo for RESPEC, featuring a stylized 'R' above the word 'RESPEC' in a bold, sans-serif font.

Production		
GPU	Year	Report Status
531	2018	Report created but not sent to GPU Owner
1762	2018	Report created but not sent to GPU Owner
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385	2018	Report created but not sent to GPU Owner
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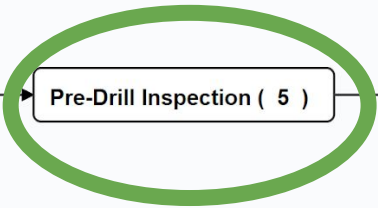


People

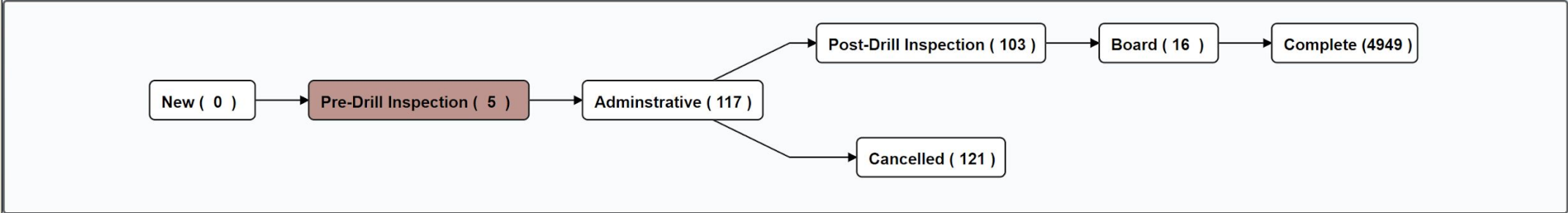
GPU



<div> <div>←</div> <div>View Map</div> </div>		<div> <div>Gpu Number Search</div> <div> <div>🔍</div> <div>←</div> <div>0-199/5311</div> <div>→</div> </div> </div>			
GPU Number Q ▾	GPU Name Q	GPU Type	Active	Status	Number of Permits Q
8413	PRESTAGE 235 244	Pooled		Complete	8
8413	PRESTAGE 235 244	Pooled		Administrative	2
8412	VISSER_NEED IT MORE SECT 46_62 POOLING	Pooled		Complete	7
8411	NEED IT MORE_VISSER POOLING	Pooled		Complete	4
8407	NEED IT MORE SEC 217 & 218 - SINGLE UNIT	Pooled		Complete	5
8405	RUE & ANNE SANDER FAMILY TRUST _ SINGLE UNIT	Rig Supply		Complete	1
8404	HECTOR REYES - SINGLE UNIT	Non-Reporting		Complete	1
8403	MIGUEL CARBAJAL - SINGLE UNIT	Non-Reporting		Complete	1
8402	JAY ELDON & KELLY DAWN WILLARD - SINGLE UNIT	Non-Reporting		Complete	1



<div> <div> <div>←</div> <div>View Map</div> </div> <div> <div>Gpu Number Search</div> <div> <div>🔍</div> <div>←</div> <div>0-199/5311</div> <div>→</div> </div> </div> </div>					
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8403	MIGUEL CARBAJAL - SINGLE UNIT	Non-Reporting		Complete	1
8402	JAY ELDON & KELLY DAWN WILLARD - SINGLE UNIT	Non-Reporting		Complete	1



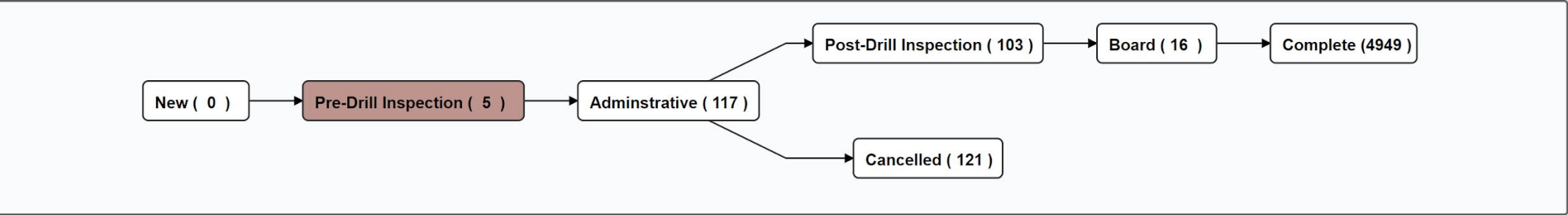
← View Map

GPU Number Search 🔍

0-4/5

↩️ ➡️

GPU Number Q ▾	GPU Name Q	GPU Type	Active	Status	Number of Permits Q
8239	BLF LAND CO - BECK X 2-11-19	Pooled		Pre-Drill Inspection	3
8200	COYLE FARMS 11% FSB (BELL ADAM) - SINGLE UNIT	Single Unit		Pre-Drill Inspection	1
5383	HARTLEY FARMS LLC - SINGLE UNIT	Single Unit		Pre-Drill Inspection	1
4833	DYKE ROGERS ET AL - 132/128 POOL	Pooled		Pre-Drill Inspection	1



←

View Map

Gpu Number Search

🔍

◀

0-2/3

▶

GPU Number Q ▼	GPU Name Q	GPU Type	Active	Status	Number of Permits Q
8239	BLF LAND CO - BECK X 2-11-19	Pooled		Pre-Drill Inspection	3

Bulk Update

Bulk Delete

+

Create Reports

<input type="checkbox"/>	Well Number ▼	Application Date	Expiration Date	Permit Status	Well Type	Well Class	Well Status
<input type="checkbox"/>	HA-11149	2019-06-03	2019-11-02	Pre-Drill Inspection	Irrigation	C	Permit
<input type="checkbox"/>	HA-11148	2019-06-03	2019-11-02	Pre-Drill Inspection	Irrigation	C	Permit
<input type="checkbox"/>	HA-11146	2019-06-03	2019-11-02	Pre-Drill Inspection	Irrigation	C	Permit

Pre-Drill Inspection

Create Report Delete Save Cancel

Well Number (Auto-Assigned)

HA-11149

GPU (Auto-Assigned)

Section Address (Auto-Assigned)

Quarter

Applicant

Driller

RANDY TAYLOR HYDRO RESOURCES

Permit Status

Pre-Drill Inspection

Application Date

2019-06-03

Payment Type

Credit Card

Check Number

Complete (4949)

0-2/3

Number of Permits Q

3

Well Status

Permit

Permit

Permit



<div><div>←</div><div>View Table</div><div>Bulk Update</div><div>Bulk Delete</div><div><div>+</div></div><div>Create Reports</div></div>		2018		<div><div>🔍</div></div>	<div><div>←</div></div>	0-199/2849	<div><div>→</div></div>	
<div><div><input type="checkbox"/></div></div>	YearQ	GPU Number	Base Allocated UsageQ▼	Total Allocated UsageQ	Actual Usage Q	Reserve Earned Q	Reserve Bank Q	Report Status
<div><div><input type="checkbox"/></div></div>	2018	8171	2400	2400	2221	179	179	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	8334	2400	2400	2512.62	0	0	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	4298	2399.25	3199	993	1406.25	8407.25	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	8360	2393.78	2393.78	1939.07	454.71	454.71	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	8155	2379.54	2379.54	2150.44	229.1	229.1	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	8354	2284.73	2284.73	1840.04	0	0	Report created but not sent to GPU Owner
<div><div><input type="checkbox"/></div></div>	2018	8355	2173.95		804.3	1369.65	1369.65	Report created but not



<div><div><div>←</div></div><div>View Table</div><div>Bulk Update</div><div>Bulk Delete</div><div><div>+</div></div><div>Create Reports</div></div>		2018		<div><div>🔍</div><div>0-199/2849</div><div>→</div></div>				
<div><div><div><div></div></div></div></div>	<div>Year Q</div>	<div>GPU Number</div>	<div>Base Allocated Usage Q ▾</div>	<div>Total Allocated Usage Q</div>	<div>Actual Usage Q</div>	<div>Reserve Earned Q</div>	<div>Reserve Bank Q</div>	<div>Report Status</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8171</div>	<div>2400</div>	<div>2400</div>	<div>2221</div>	<div>179</div>	<div>179</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8334</div>	<div>2400</div>	<div>2400</div>	<div>2221</div>	<div>0</div>	<div>0</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>4298</div>	<div>2399.25</div>	<div>3199</div>	<div>993</div>	<div>1406.25</div>	<div>8407.25</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8360</div>	<div>2393.78</div>	<div>2393.78</div>	<div>1939.07</div>	<div>454.71</div>	<div>454.71</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8155</div>	<div>2379.54</div>	<div>2379.54</div>	<div>2150.44</div>	<div>229.1</div>	<div>229.1</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8354</div>	<div>2284.73</div>	<div>2284.73</div>	<div>1840.04</div>	<div>0</div>	<div>0</div>	<div>Report created but not sent to GPU Owner</div>
<div><div><div><div></div></div></div></div>	<div>2018</div>	<div>8355</div>	<div>2173.95</div>	<div></div>	<div>804.3</div>	<div>1369.65</div>	<div>1369.65</div>	<div>Report created but not</div>



paul.wickman@respec.com



Fulcrum

