



Legacy Data Verification

Agenda Topics

- DMWG Website URL Change
- 70-Series API Summary
 - *Headers, Directional Surveys, Log Images & Curves*
- QA/QC Processes
 - *Visual Inspection*
 - *Well File & Log Images (Online Ordering System)*
- Recent Activity
 - *Shift in Focus and Potential Projects*
- Questions

Legacy Data Verification Website URL Change

- http://www.data.bsee.gov/homepg/data_center/other/DataManagement/index.asp

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Data Management

- [API Lookup](#)
- [API Number Changes](#)
- [Historical Well Data Clean-up \(HWDC\) Project / Legacy Data Verification Process \(LDVP\)](#)
- [Data Management Work Group](#)
- [Data Problem Reporting/Contact Information](#)
- [Spatial Data Workshop Presentations](#)

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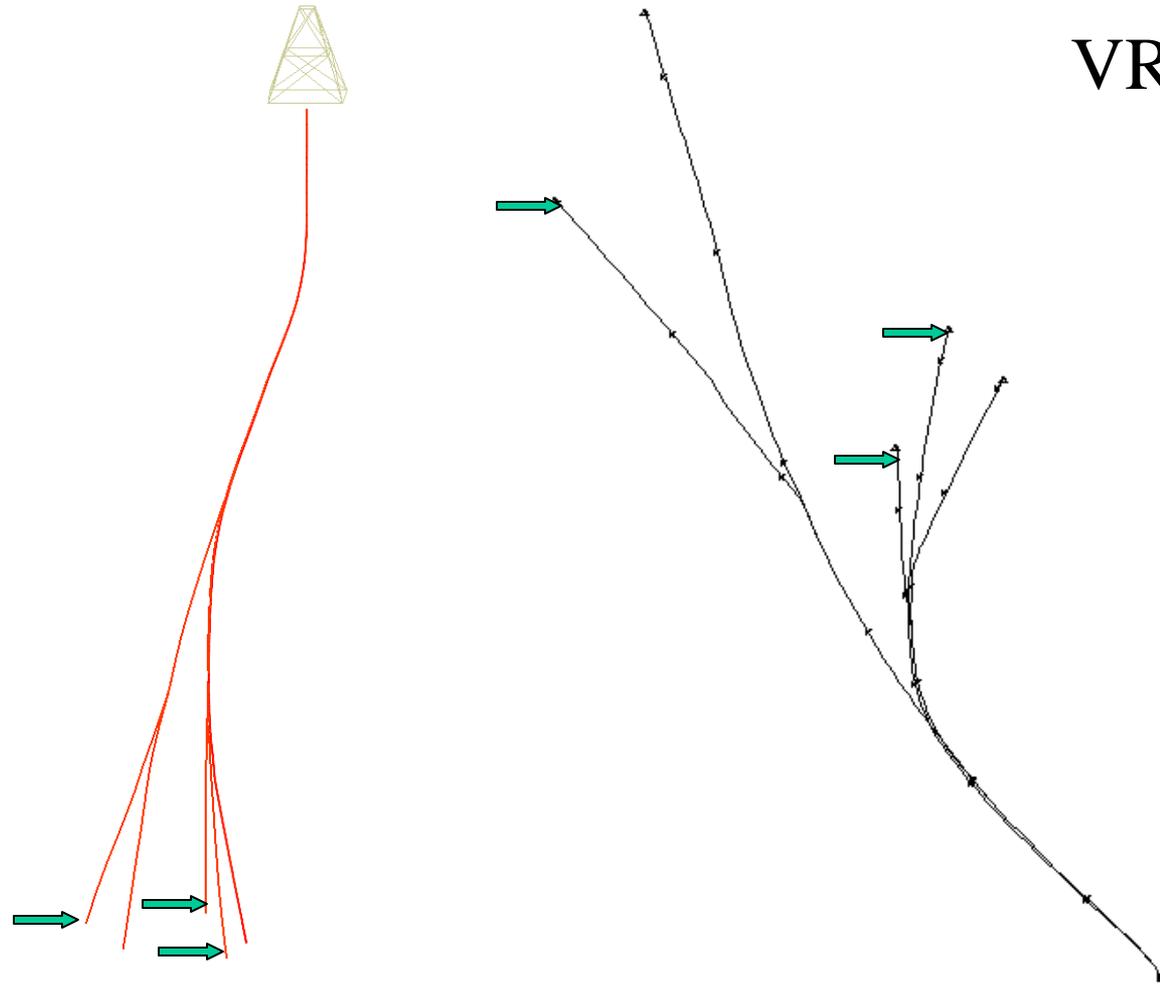
Legacy Data Verification 70-Series Summary

- 4,044 70-Series Wellbores
 - *Headers with Surface and Bottom Hole Location**
- 3,686 Wellbores with a Directional Survey Image
 - *This is 90% of 70-series with a directional survey image*
 - *~76% (3,100) with a full survey (not projected)*
- 2,016 Wellbores with a Log Image
 - *50% of all 70-series with an image***
- 745 Wellbores with Digital Log Curves (LAS)
 - *18% of all 70-series with LAS data*



Legacy Data Verification QA/QC Processes

Visual Inspection



VR 164 OCS 00493

177052004970

177052004900

177052004971

177052004972

177052004901

Legacy Data Verification QA/QC Processes

Well File Cleanup

API	AR	BLOCK	LEASE	WELL	SUFFIX	DESCRIPTION	DATE
177052004970	UR	164	00493	013	ST00BP00	APD-Application for Permit to Drill	18-MAY-1970
177052004970	UR	164	00493	013	ST00BP00	APD-Application for Permit to Drill	18-MAY-1970
177052004970	UR	164	00493	013	ST00BP00	Directional Survey	07-OCT-1970
177052004970	UR	164	00493	013	ST00BP00	Sundry Report	12-OCT-1970
177052004900	UR	164	00493	013	ST00BP01	Directional Survey	18-AUG-1970
177052004900	UR	164	00493	013	ST00BP01	Sidewall Core Analysis	08-SEP-1970
177052004900	UR	164	00493	013	ST00BP01	Well Completion Report	05-OCT-1970
177052004900	UR	164	00493	013	ST00BP01	Sundry Report	13-OCT-1970
177052004900	UR	164	00493	013	ST00BP01	Directional Survey	21-OCT-1970
177052004971	UR	164	00493	012	ST01BP00	Sundry Report	24-AUG-1970
177052004971	UR	164	00493	012	ST01BP00	Sundry Report	09-SEP-1970
177052004971	UR	164	00493	012	ST01BP00	Directional Survey	07-OCT-1970
177052004972	UR	164	00493	012	ST01BP01	Directional Survey	07-OCT-1970
177052004901	UR	164	00493	012	ST01BP02	Sidewall Core Analysis	15-SEP-1970
177052004901	UR	164	00493	012	ST01BP02	Directional Survey	07-OCT-1970
177052004901	UR	164	00493	012	ST01BP02	Well Completion Report	10-NOV-1970
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	19-JAN-1972
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	28-JAN-1972
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	16-NOV-1972
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	23-JUL-1985
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	04-NOV-1985
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	13-FEB-1989
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	30-MAY-1989
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	10-AUG-1989
177052004901	UR	164	00493	012	ST01BP02	Well Completion Report	07-FEB-1990
177052004901	UR	164	00493	012	ST01BP02	Sundry Report	07-FEB-1990

Legacy Data Verification QA/QC Processes

Well File Cleanup

SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)			
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Shell Oil Company		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P. O. Box 127, Metairie, La. 70004		9. WELL NO. 13	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 13 below.) At surface 2222' N & 5251' W of SE/C Blk 164 At total depth 5207' N & 7026' W of SE/C Blk 164		10. FIELD AND POOL, OR WILDCAT Vermilion Blk 164	
14. PERMIT NO.		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Vermilion Blk 164	
15. ELEVATIONS (Show whether pp, wt, gr, etc.) Water depth 90' 80' KB		12. COUNTY OR PARISH Vermilion	13. STATE La. O/S
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Sidetrack	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operations

TD: 7983' PBD: 5180' 10-3/4" csg set @ 3128' w/1200 ex Class "A" + 4% gel Mud 11.0 ppg. Rig on location (7/30/70). Set cmt plug from 5100-5500 w/200 ex Class "A" + 10% sd. Kicked off & sdtk. to original proposed TD (8/12/70).

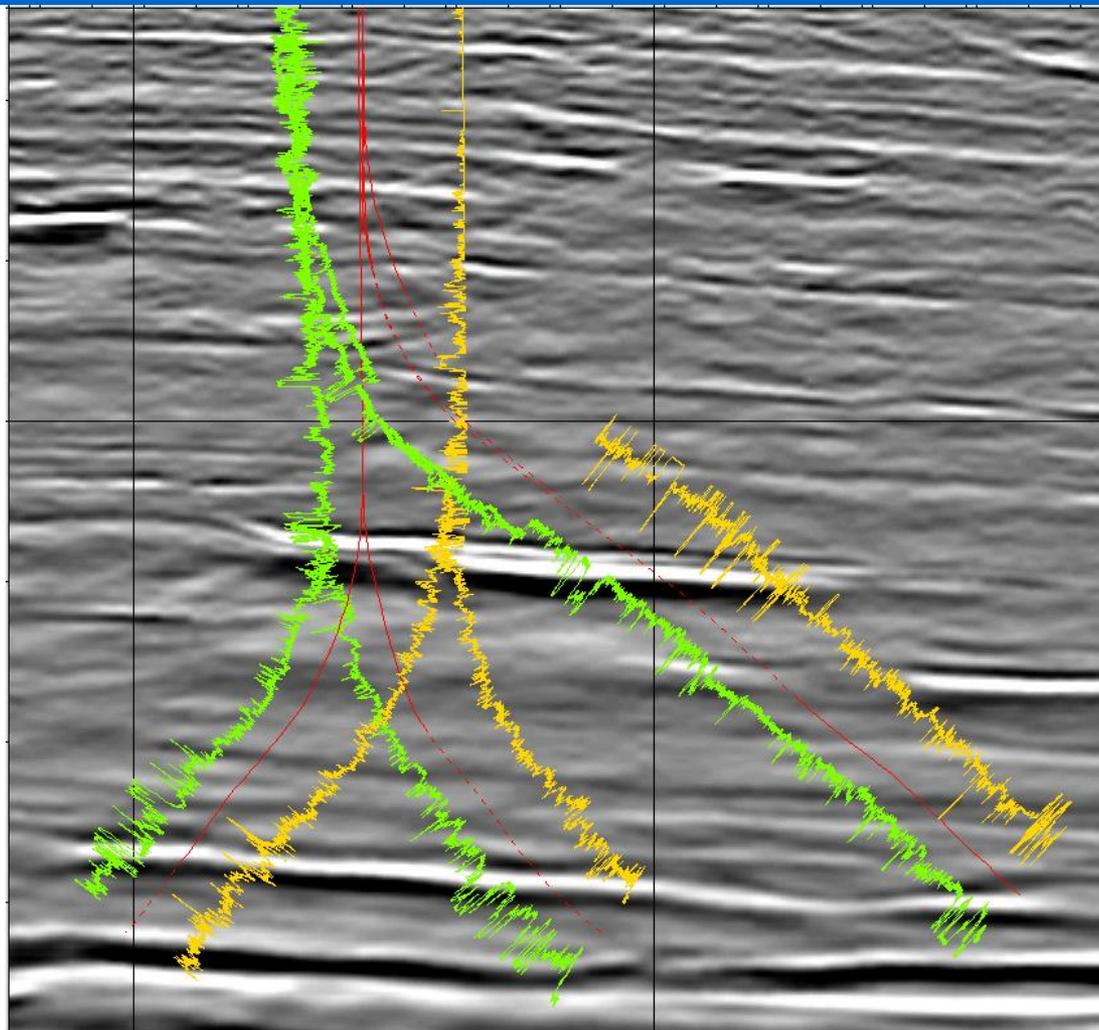
Legacy Data Verification QA/QC Processes

Online Ordering System - Logs

Well Data													
Searched by API Well Number and Group													
Sorted by WellName Suffix													
Add to Media?	Area	Block Number	API Well Number	Lease Number	Well Name	Well Name Suffix	Type	Run Date	Released Date	BLI	TLI	Water Depth (feet)	File Size
<input type="checkbox"/>	VR	164	177052004970	00493	013	ST00BP00	1in & 5in induction electrical log	8/12/1970	10/11/1972	7983	3128	90	1740246
<input type="checkbox"/>	VR	164	177052004900	00493	013	ST00BP01	1in & 5in induction electrical log	8/19/1970	10/17/1972	8498	4900	90	1536308
<input type="checkbox"/>	VR	164	177052004971	00493	012	ST01BP00	1in & 5in induction electrical log	8/23/1970	10/22/1972	7273	3127	90	1582945
<input type="checkbox"/>	VR	164	177052004972	00493	012	ST01BP01	1in & 5in induction electrical log	8/28/1970	10/27/1972	7837	4400	90	1353950
<input type="checkbox"/>	VR	164	177052004901	00493	012	ST01BP02	1in & 5in induction electrical log	9/3/1970	11/2/1972	7633	5100	90	1040229
<input type="checkbox"/>	VR	164	177052004901	00493	012	ST01BP02	5in compensated formation density log gamma-gamma	9/3/1970	11/2/1972	7633	3128	90	742225

Legacy Data Verification QC Processes

Data Integration Results





Legacy Data Verification

Recent Activity

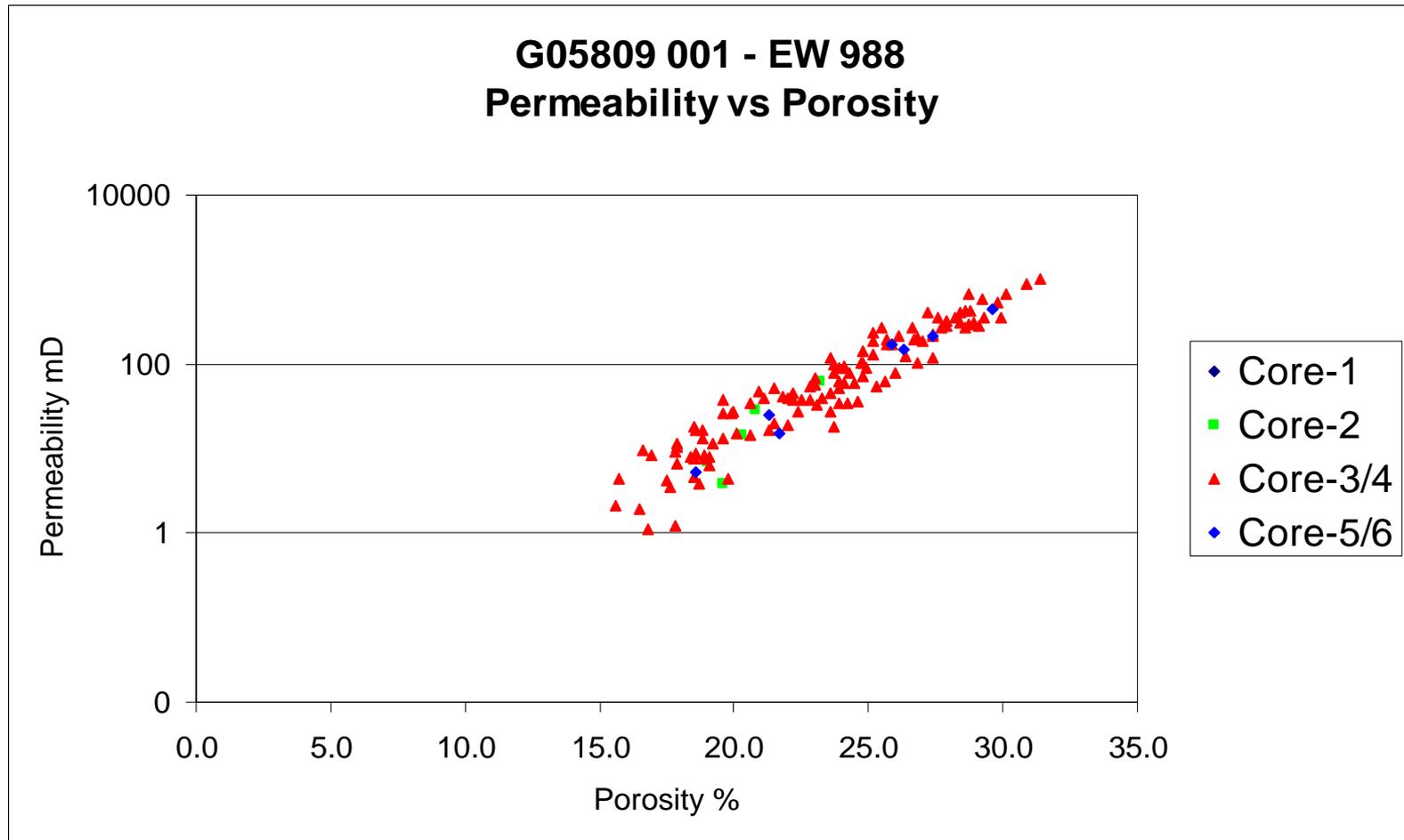
- Less focus on 70-series API numbers
 - *Only adding those identified by other research*
- TIMS & LAS data reconciliation
 - *Comparison of Drillers, Log Image and LAS Depths*
 - *Research variations in sidetrack/bypass suffixes*
- Drillers TD and Directional Depth Mismatches
 - *Directional surveys not projected to TD*
 - *Proposed vs Actual TD*
 - *Missing wellbores (70-series)*



Legacy Data Verification Potential Projects

- Core Analysis Data Pilot Project
 - *Keypunch or OCR to Excel – export to Finder*

Legacy Data Verification Core Analysis Pilot Project





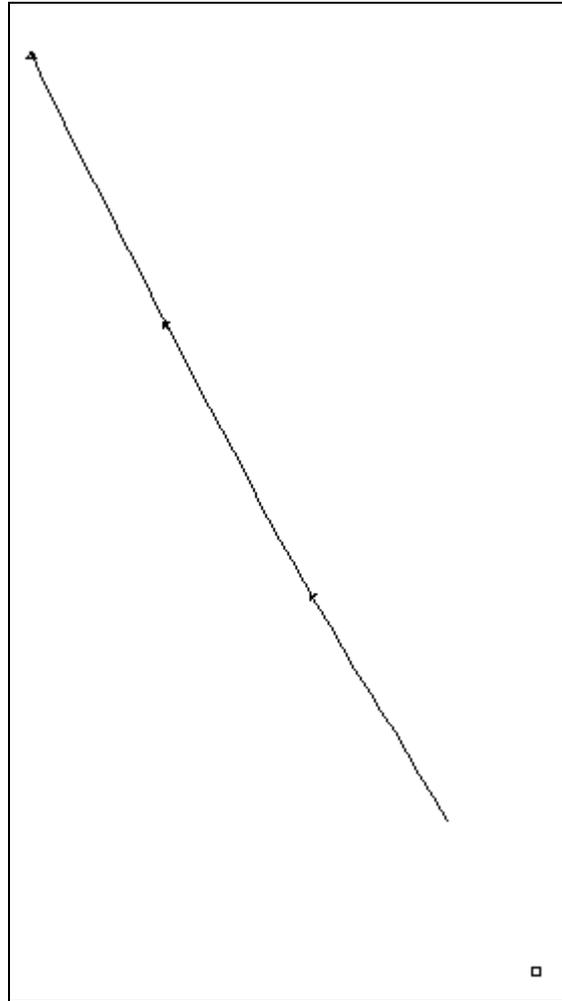
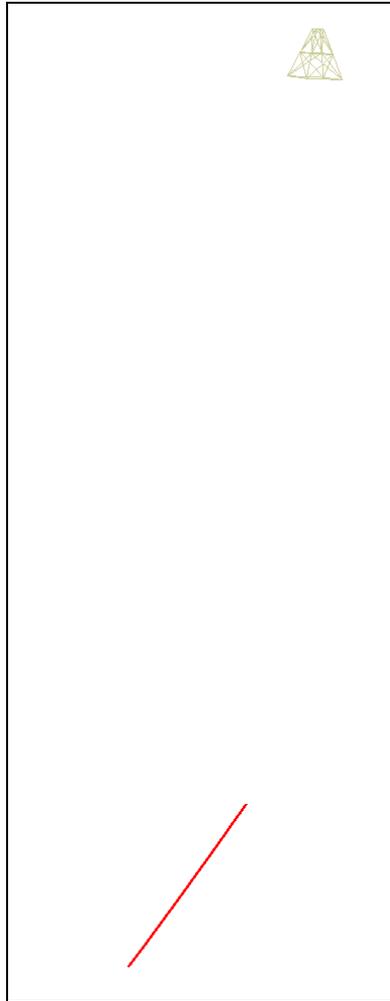
Legacy Data Verification Potential Projects

- Core Analysis Data Pilot Project
 - *Keypunch or OCR to Excel – export to Finder*
- Directional Survey Tie-in Data
 - *Reduce or eliminate the use of tie-in values*



Legacy Data Verification

Directional Survey Tie-in Data



ST 187 OCS G21120
177154109600



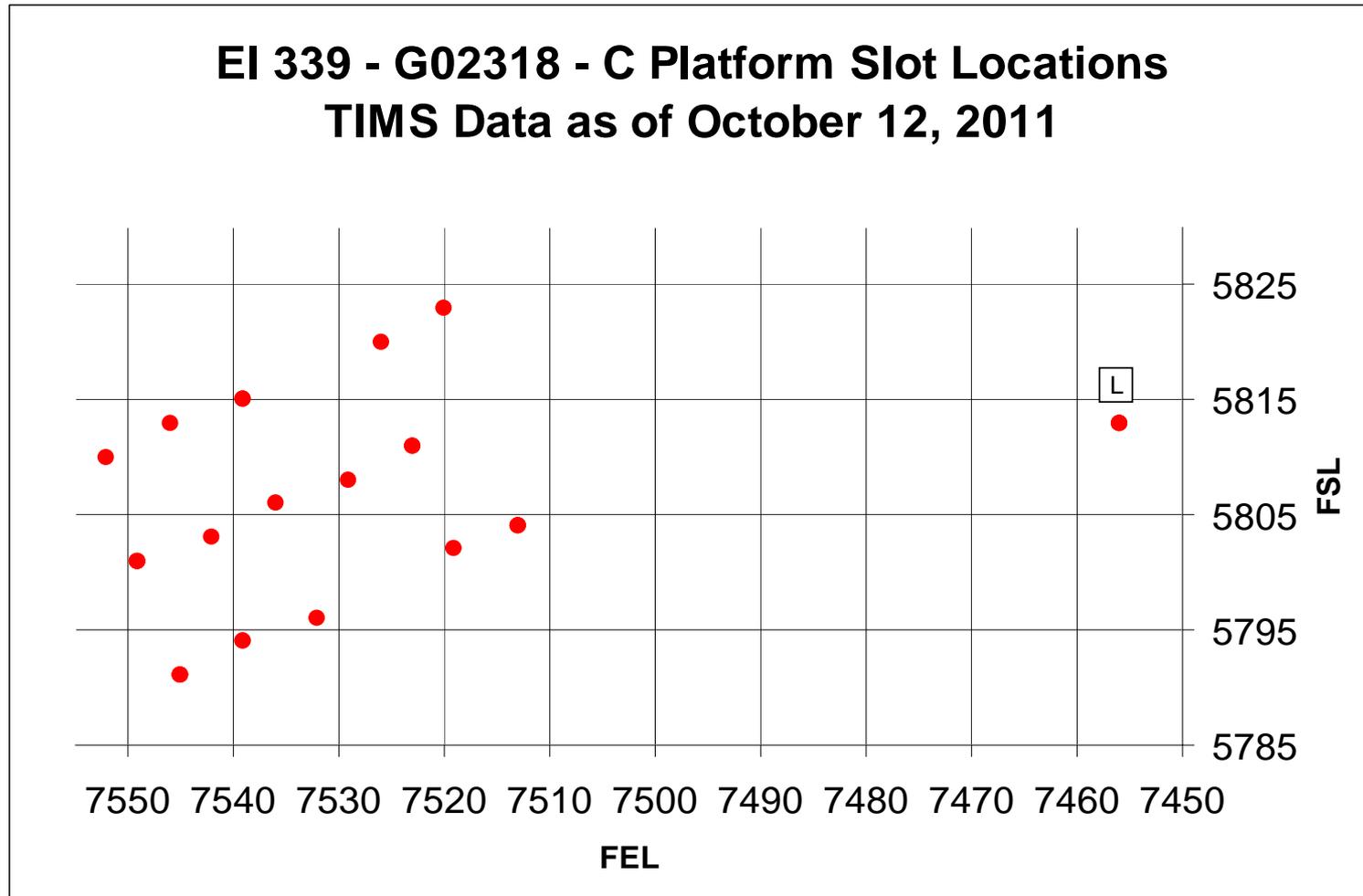
Legacy Data Verification Potential Projects

- Core Analysis Data Pilot Project
 - *Keypunch or OCR to Excel – export to Finder*
- Directional Survey Tie-in Data
 - *Reduce or eliminate the use of tie-in values*
- Platform Slot Locations
 - *Plot, review and correct*



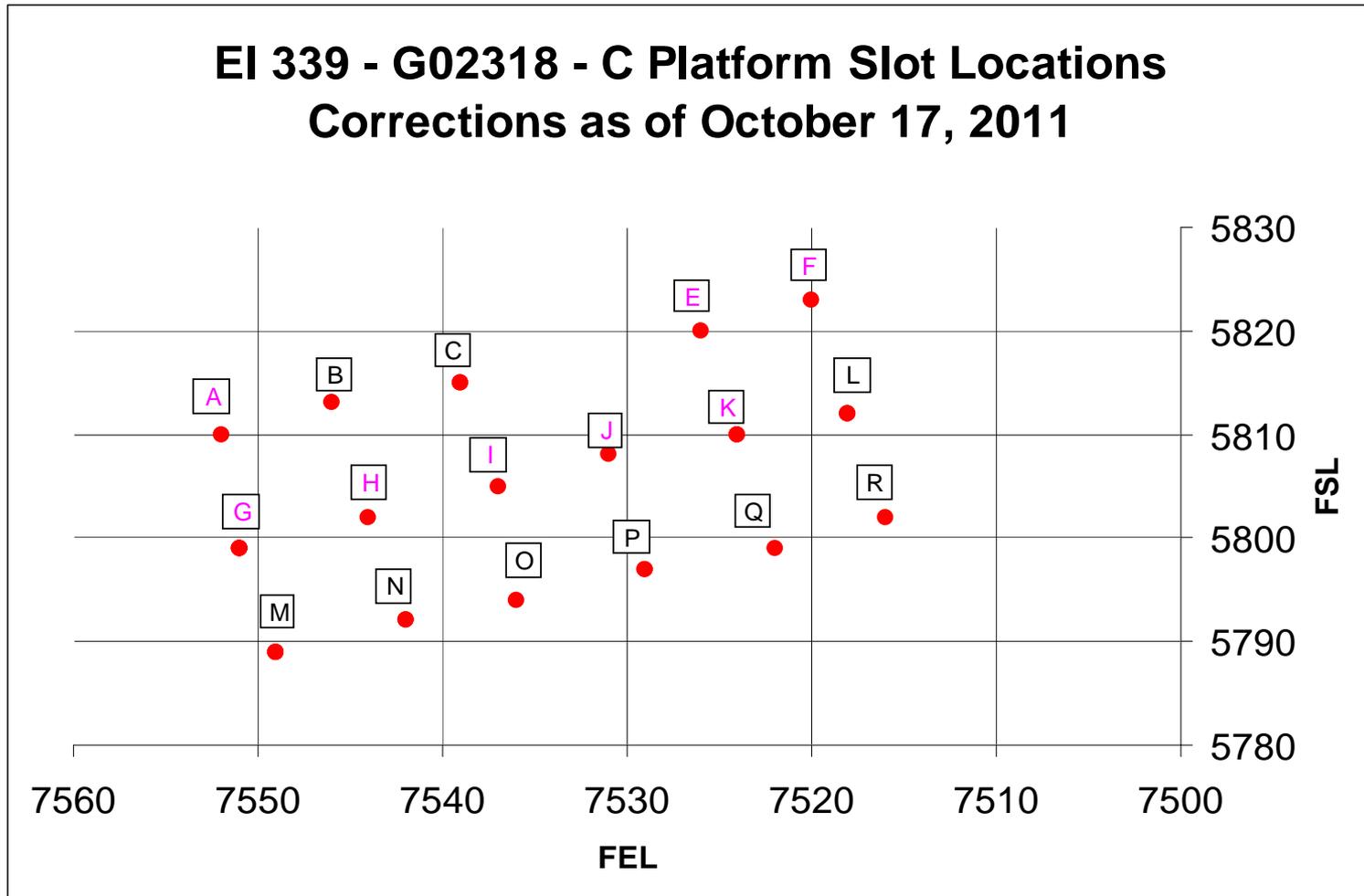
Legacy Data Verification

Platform Slot Locations - Before



Legacy Data Verification

Platform Slot Locations - After



Legacy Data Verification

Questions?