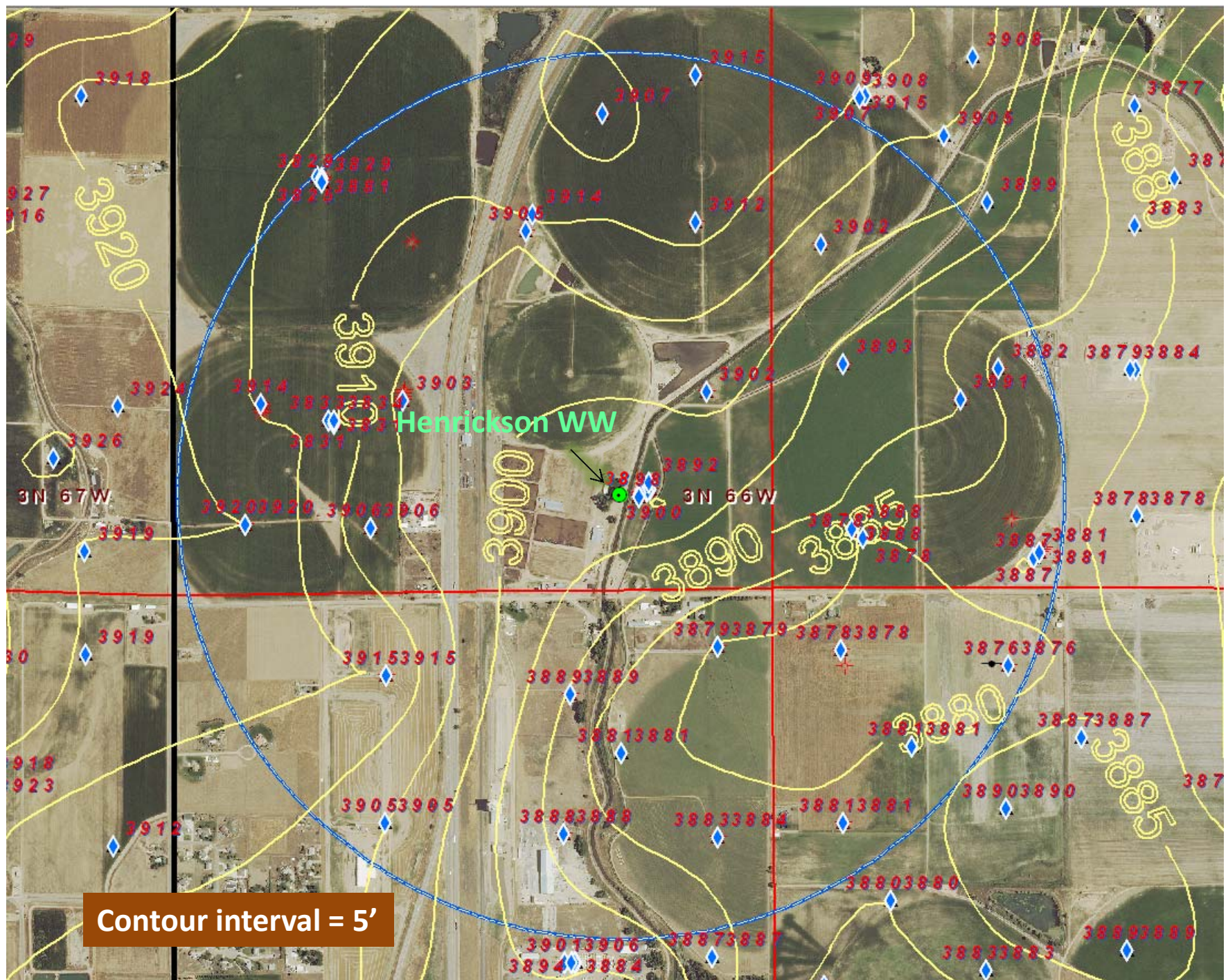


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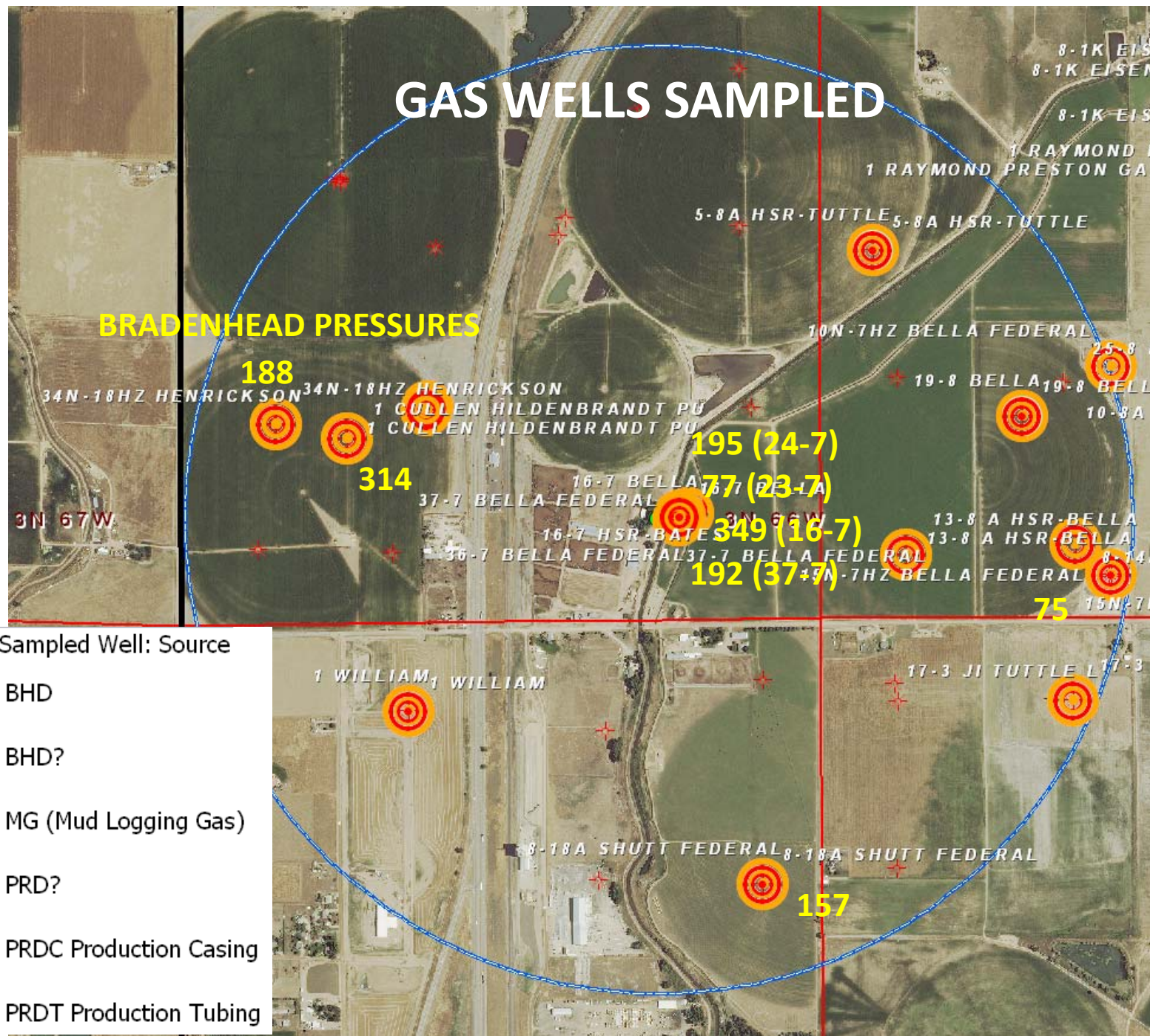
Gary Henrickson 15631 Stray Gas Source Study

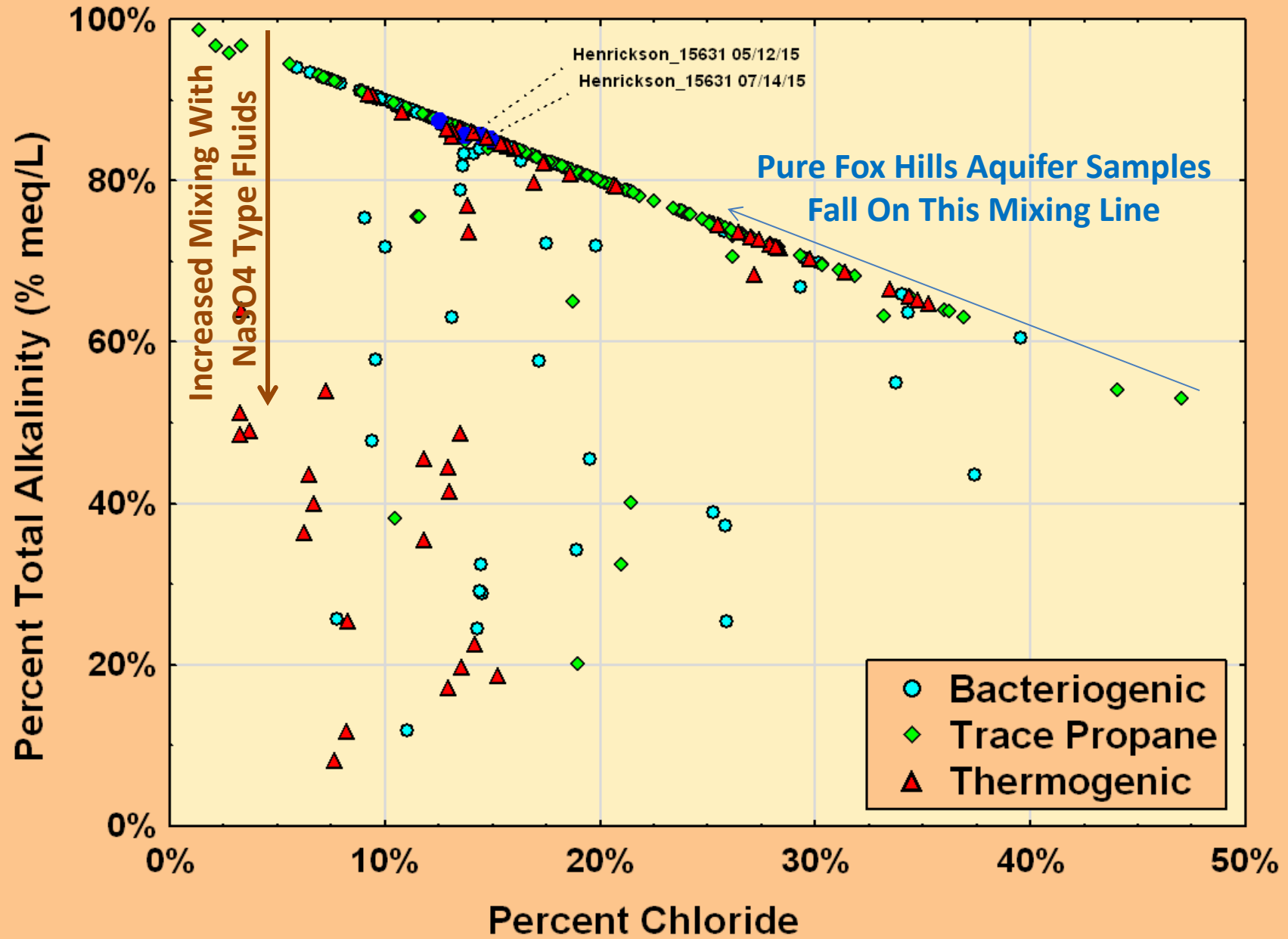
Anadarko Petroleum Corporation
&
Anthony W. Gorody, Ph. D., P.G.
11/4/15

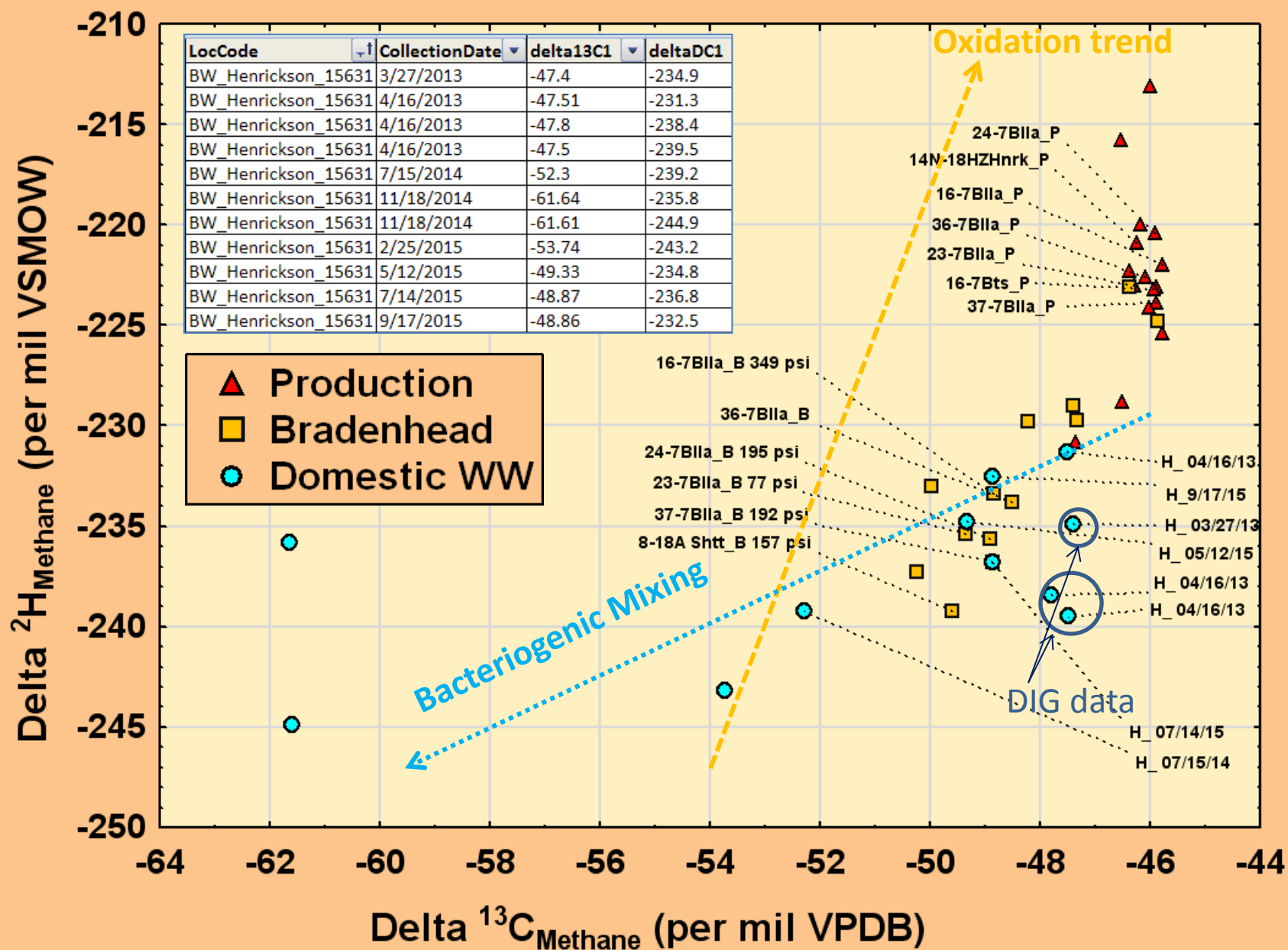


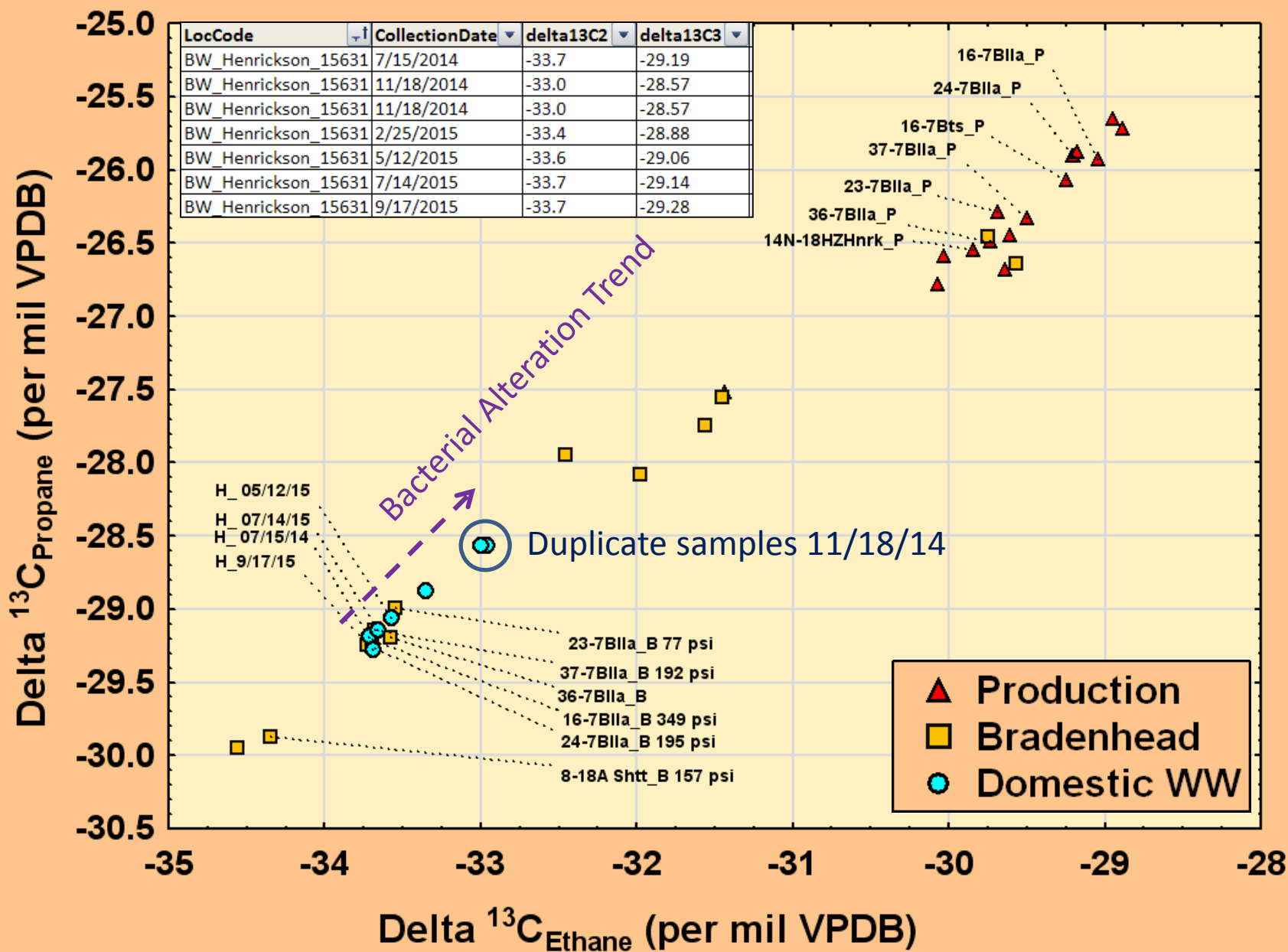
GAS WELLS SAMPLED

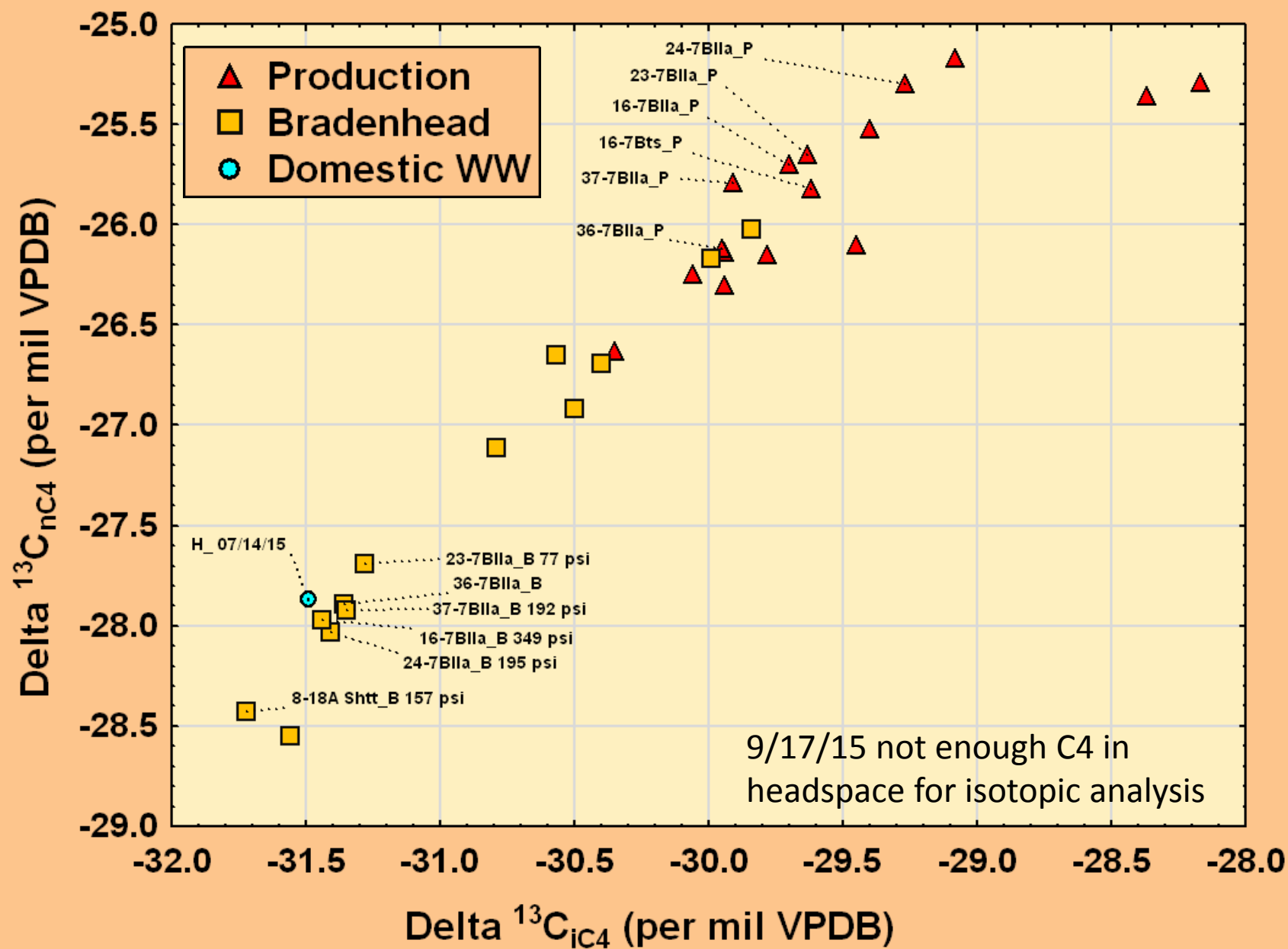
BRADENHEAD PRESSURES

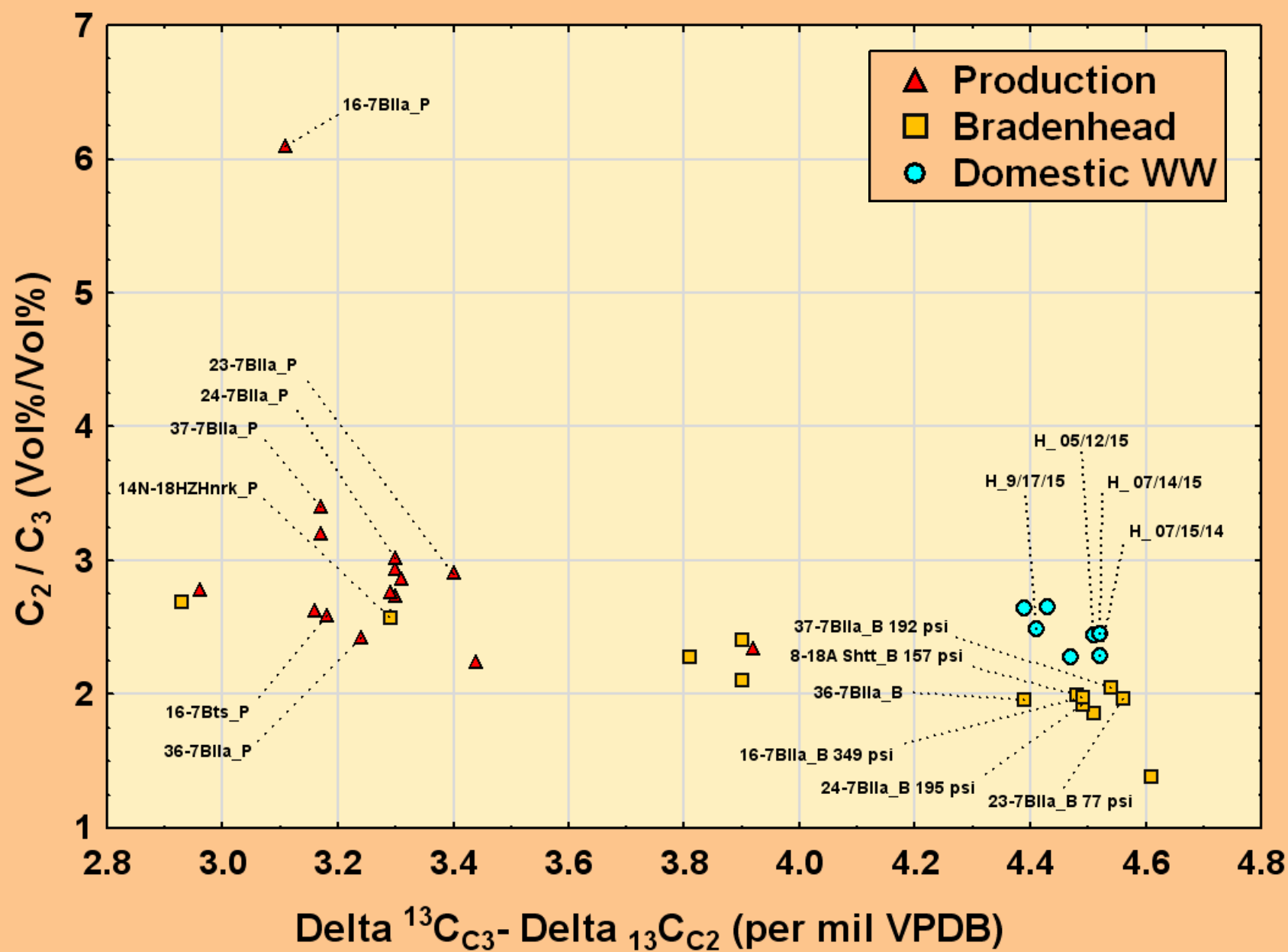


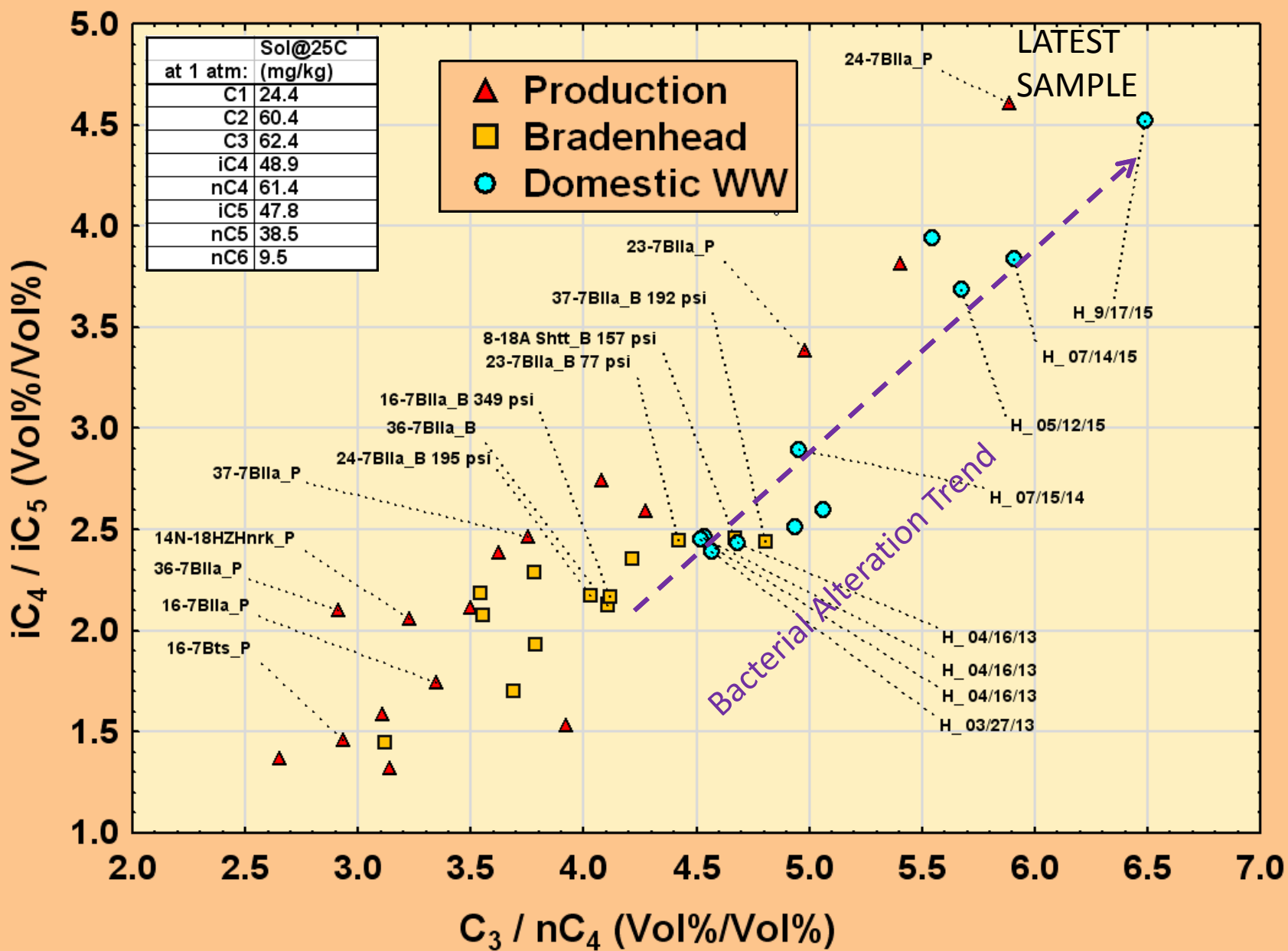












SUMMARY OF DISSOLVED HYDROCARBON DATA THAT INCLUDE ALL ISOFLASK™ SAMPLES

CollectionDate	C1mgLA	C2mgLA	C3mgLA	C1mgL	C2mgL	C3mgL
7/15/2014	12	3.5	2.1	36	8.7	5.2
11/18/2014	6	0.903	0.46	15	2.4	1.2
11/18/2014	0.0713	0.0128	0.0062	15	2.3	1.2
2/25/2015	10.8	2.47	1.94	36	7.4	4.5
5/12/2015	15.1	5.05	3.36	49	14	8.1
7/14/2015	12	4.17	2.56	61	18	9.8
9/17/2015	12	4.37	2.66	31	9.5	5.2

ACCUTEST mg/L

ISOTECH mg/L

SUMMARY OF ACCUTEST VOC DATA mg/L

CollectionDate	GRO	Bnz	T
7/15/2014	0.56	0	0
11/18/2014	0.364	0.0016	0
11/18/2014	0.336	0.0016	0
2/25/2015	0.988	0.0013	0.233
5/12/2015	1.05	0.0012	0.0227
7/14/2015	0.947	0.00047	0
9/17/2015	1.05	0.0008	0.00023

SUMMARY OF BART™ DATA

CollectionDate	IRB	SLYM	SRB
7/15/2014	9000	12500	5000
11/18/2014	2300	6500	18000
11/18/2014	2300	6500	1200
2/25/2015	2300	6500	1200
5/12/2015	74500	0	9600
7/14/2015	9000	66500	700
9/17/2015	74500	0	200

Bella 16-7 Pad SESE Section 7 –T3N- R66W Form 17 data

api_number	well_name	form_17_date	surface_casing_psi	bradenhead_00	bradenhead_05	bradenhead_10	bradenhead_15	bradenhead_20	bradenhead_25	bradenhead_30	bradenhead_instantaneous	fluid_type	fluid_volume_g	build_up_pressure
0512330825	BELLA 16-7	11/21/12	212	212,G	150,G	118,G	86,G	66,G	49,G	39,G	39		0	
0512330825	BELLA 16-7	10/21/13	226	226,G	150,G	119,G	61,G	34,G	20,G	11,G	11		0	
0512330825	BELLA 16-7	1/23/15	143	143,G	0,D	0,D	0,D	0,D	0,D	0,D	0		0	5
0512330782	BELLA FEDERAL 23-7	8/27/12	90	90,G	40,G	W,G	5,H	5,H	W,H	W,H	1	WATER	4	
0512330782	BELLA FEDERAL 23-7	4/11/13	98	98,G	W,G	W,G	W,H	W,H	W,H	W,H	1	WATER	1	
0512330782	BELLA FEDERAL 23-7	1/23/15	39	39,G	0,D	0,D	0,D	0,D	0,D	0,D	0		0	1
0512330772	BELLA FEDERAL 24-7	10/17/12	56	56,G	W,G	W,H	W,H	W,H	W,H	W,H	1	WATER	10	
0512330772	BELLA FEDERAL 24-7	4/11/13	34	34,H	W,H	W,H	W,H	W,H	W,H	W,H	1	WATER	15	
0512330772	BELLA FEDERAL 24-7	1/23/15	104	104,G	W,G	W,G	W,G	0,D	0,D	0,D	0		0	1
0512330776	BELLA FEDERAL 36-7	8/28/12	250	250,G	192,G	145,G	110,G	72,G	54,G	38,G	38		0	
0512330776	BELLA FEDERAL 36-7	4/11/13	282	282,G	240,G	217,G	188,G	167,G	146,G	132,G	132		0	
0512330776	BELLA FEDERAL 36-7	1/23/15	1	W,G	0,D	0,D	0,D	0,D	0,D	0,D	0		0	1
0512330783	BELLA FEDERAL 37-7	11/21/12	406	406,G	390,G	382,G	366,G	349,G	323,G	324,G	324		0	
0512330783	BELLA FEDERAL 37-7	4/11/13	408	408,G	402,G	382,G	362,G	344,G	333,G	315,G	315		0	
0512330783	BELLA FEDERAL 37-7	1/23/15	68	68,G	W,G	W,G	W,G	W,G	W,G	0,D	0		0	1

Bella 16-7 Pad SESE Section 7 –T3N-R66W Inspection Data

well_name	inspection_date	pressure	fluid_type	api_number
BELLA 16-7	9/15/11	200	None	0512330825
BELLA 16-7	4/26/12	295	None	0512330825
BELLA 16-7	9/17/12	220	Gas	0512330825
BELLA 16-7	5/2/13	215	Gas	0512330825
BELLA 16-7	5/26/15	347	Gas	0512330825
BELLA 16-7	9/9/15	340	Gas	0512330825
BELLA FEDERAL 23-7	9/15/11	100	None	0512330782
BELLA FEDERAL 23-7	4/26/12	72	None	0512330782
BELLA FEDERAL 23-7	9/17/12	90	Gas	0512330782
BELLA FEDERAL 23-7	5/2/13	87	Gas	0512330782
BELLA FEDERAL 23-7	5/26/15	75	Gas	0512330782
BELLA FEDERAL 23-7	9/9/15	30	Gas	0512330782
BELLA FEDERAL 24-7	9/15/11	60	None	0512330772
BELLA FEDERAL 24-7	4/26/12	35	None	0512330772
BELLA FEDERAL 24-7	9/17/12	60	Gas	0512330772
BELLA FEDERAL 24-7	5/2/13	29	Gas	0512330772
BELLA FEDERAL 24-7	5/26/15	195	Gas	0512330772
BELLA FEDERAL 24-7	9/9/15	200	Gas	0512330772
BELLA FEDERAL 36-7	9/15/11	190	None	0512330776
BELLA FEDERAL 36-7	4/26/12	200	None	0512330776
BELLA FEDERAL 36-7	8/17/12	185	Gas	0512330776
BELLA FEDERAL 36-7	5/2/13	235	Gas	0512330776
BELLA FEDERAL 36-7	5/26/15	1	Gas	0512330776
BELLA FEDERAL 36-7	9/9/15	10	Gas	0512330776
BELLA FEDERAL 37-7	9/16/11	390	None	0512330783
BELLA FEDERAL 37-7	4/26/12	350	None	0512330783
BELLA FEDERAL 37-7	9/17/12	185	Gas	0512330783
BELLA FEDERAL 37-7	5/2/13	428	Gas	0512330783
BELLA FEDERAL 37-7	5/26/15	195	Gas	0512330783
BELLA FEDERAL 37-7	9/9/15	200	Gas	0512330783

Bella Federal 16-7 & 23-7– SESE Sec 7 T3N-R66W

API:	05-123-30825	KB ELEVATION:	4855	QTR-QTR:	SESE
WELL NAME:	Bella 16-7	GROUND LEVEL:	4840	SECTION:	7
COUNTY:	WELD	MD:	7595	TWNSHIP:	3N
LATITUDE:	40.234449	PBMD:	7545	RANGE:	66W
LONGITUDE:	-104.814885	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

[illegible]

API:	05-123-30782	KB ELEVATION:	4855	QTR-QTR:	SESE
WELL NAME:	Bella Federal 23-7	GROUND LEVEL:	4840	SECTION:	7
COUNTY:	WELD	MD:	8215	TWNSHIP:	3N
LATITUDE:	40.234405	PBMD:	8164	RANGE:	66W
LONGITUDE:	-104.814899	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

SPUD DATE		2/28/2010	DATUM: RKB	
Hole Size/Depth	12 1/4" - 695'	430 sxs	KB=15'	570' TOC in annulus
Surface Casing				
Casing Size/Depth: 8 5/8, 24#/ft @	684'			
Fox Hills Formation Marker	940'			
		1010 sxs	60 sx 1.15 yld	840' BOC in annulus
OH TOC (from CBL)	940'			
Sussex Top	No perfs 4466'			
Shannon Base	No perfs 5150'			
Niobrara Top	7302'	8202'	8215'	Existing Cement New CIBP Existing CIBP New Cement Sand Plug Existing Mud
Niobrara Perfs	7324' - 7332'			
Codell Perfs	7600' - 7616'			
J Sand Top	8041'			
	No Perfs			
Production Casing/Hole				
Casing Size/Depth	4 1/2" x 11.6#/ft @			
Hole Size/Depth	7 7/8" (bit size) @			

Bella Federal 24-7 & 36-7– SESE Sec 7 T3N-R66W

API:	05-123-30772	KB ELEVATION:	4855	QTR-QTR:	SESE
WELL NAME:	Bella Federal 24-7	GROUND LEVEL:	4840	SECTION:	7
COUNTY:	WELD	MD:	8250	TWNSHIP:	3N
LATITUDE:	40.234371	PBMD:	8203	RANGE:	66W
LONGITUDE:	-104.814912	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

[illegible]

API:	05-123-30776	KB ELEVATION:	4855	QTR-QTR:	SESE
WELL NAME:	Bella Federal 36-7	GROUND LEVEL:	4840	SECTION:	7
COUNTY:	WELD	MD:	8210	TWNSHIP:	3N
LATITUDE:	40.234488	PBMD:	8159	RANGE:	66W
LONGITUDE:	-104.81487	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

[illegible]

Bella Federal 37-7- SESE Sec 7 T3N-R66W

API:	05-123-30783	KB ELEVATION:	4855	QTR-QTR:	SESE
WELL NAME:	Bella Federal 37-7	GROUND LEVEL:	4840	SECTION:	7
COUNTY:	WELD	MD:	7585	TOWNSHIP:	3N
LATITUDE:	40.234529	PBMD:	7537	RANGE:	66W
LONGITUDE:	-104.814853	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation
Hole Size/Depth Surface Casing	12 1/4" - 695'	430 sxs			
Casing Size/Depth: 8 5/8, 24#/ft @	683'				
Fox Hills Formation Marker	958'				
Sussex Top	No perms 4370'	815 sxs			
Shannon Base	No perms 5040'				
Niobrara Top	7166'				
Niobrara Perfs	7175' - 7312'				
Codell Perfs	7430' - 7446'				
Production Casing/Hole					
Casing Size/Depth	4 1/2" x 11.6#/ft @	7574'			
Hole Size/Depth	7 7/8" (bit size) @	7585'			

HSR-BATES 16-7 & HSR-Tuttle 10-7– SESE Sec 7 T3N-R66W

API:	05-123-16518	KB ELEVATION:	4853	QTR-QTR:	SESE
WELL NAME:	HSR-Bates 16-7	GROUND LEVEL:	4843	SECTION:	7
COUNTY:	WELD	MD:	8145	TOWNSHIP:	3N
LATITUDE:	40.234696	PBMD:	8101	RANGE:	66W
LONGITUDE:	-104.814589	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

	SPUD DATE	11/28/1992	DATUM: RKB	Date of work	5/1/2013
			KB=10'		
Hole Size/Depth	12 1/4" - 578'	430 sxs		170'	TOC in annulus
Surface Casing					
Casing Size/Depth: 8 5/8, 24#/ft @	567'				
				250 sx	1.15 yld
Fox Hills Formation Marker	952'				
				1084'	BOC in annulus
				3836'	TOC in annulus
Sussex	No perfs				
Top	4379'				
				4680'	BOC in annulus
Shannon	No perfs			250 sx	1.15 yld
Base	4905'				
OH TOC (from CBL)	6280'				
		405 sxs			
Niobrara Top	7056'				
Niobrara Perfs	7098' - 7220'				
					Existing Cement
Codell Perfs	7339' - 7356'				New CIBR
					Existing CIBR
J Sand Top	7794'				New CIBP
	7787' - 7853'				Existing CIBP
Production Casing/Hole					New Cement
Casing Size/Depth	4 1/2" x 11.6#/ft @	8145'			Sand Plug
Hole Size/Depth	7 7/8" (bit size) @	8145'			Existing Mud

API:	05-123-18914	KB ELEVATION:	4853	QTR-QTR:	SESE
WELL NAME:	HSR-Tuttle 10-7	GROUND LEVEL:	4843	SECTION:	7
COUNTY:	WELD	MD:	8304	TOWNSHIP:	3N
LATITUDE:	40.234548	PBMD:	8272	RANGE:	66W
LONGITUDE:	-104.814591	CREATED BY:	Anne Kremer		
	Existing	DATE:	11/3/2015		Post Remediation

	SPUD DATE	3/8/1996	DATUM: RKB	Date of work	5/10/2013
			KB=10'		
Hole Size/Depth	12 1/4" - 725'	430 sxs		284'	TOC in annulus
Surface Casing					
Casing Size/Depth: 8 5/8, 24#/ft @	714'				
				200 sx	1.15 yld
Fox Hills Formation Marker	946'				
				1160'	BOC in annulus
				4010'	TOC in annulus
Sussex	No perfs				
Top	4685'				
				4996'	BOC in annulus
Shannon	No perfs			225 sx	1.15 yld
Base	5230'				
OH TOC (from CBL)	6757'				
		150 sxs			
Niobrara Top	7378'				
Niobrara Perfs	7454' - 7456'				
					Existing Cement
Codell Perfs	7676' - 7686'				New CIBR
Casing Size/Depth	4 1/2" x 11.6#/ft @	7818'			Existing CIBR
J Sand Top	?		45 SXS		New CIBP
	8119' - 8182'				Existing CIBP
Production Casing/Hole					New Cement
Casing Size/Depth	2-7/8" x 11.6#/ft @	8304'			Sand Plug
Hole Size/Depth	3-1/2" (bit size) @	8304'			Existing Mud