



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1084146

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

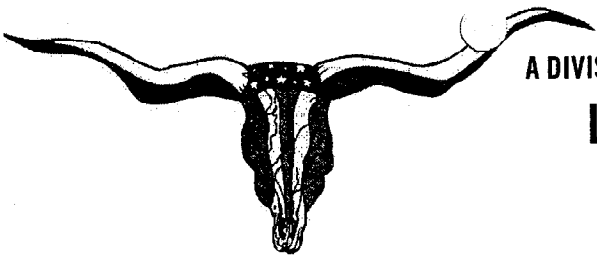
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

LONGHORN CEMENTING CO.

P.O. BOX 203 YUMA, COLORADO 80759
 Phone: 970-848-0799 Fax: 970-848-0798

**FIELD SERVICE TICKET
 AND INVOICE**

DATE 11-13-11 TICKET NO. 2502

DATE OF JOB	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER <u>Rosewood</u>		LEASE <u>Stasser 41-16-D</u>					WELL NO.	
ADDRESS		COUNTY			STATE			
CITY	STATE	SERVICE CREW <u>Mike E. Rob S.</u>						
AUTHORIZED BY		EQUIPMENT <u>UNITY #112</u>						
TYPE JOB: <u>1 1/2" casing</u>	DEPTH FT.	CEMENT DATA: BULK <input type="checkbox"/>		SAND DATA: SACKS <input type="checkbox"/>		TRUCK CALLED		
SIZE HOLE: <u>4 1/2"</u>	DEPTH FT.	SACKS	BRAND	TYPE	% GEL	ADMIXES	ARRIVED AT JOB	
SIZE & WT. CASTING <u>NEW 8 1/2" USED 8 1/2"</u>	DEPTH FT.						START OPERATION	
SIZE & WT. D PIPE OR TUBING	DEPTH FT.						FINISH OPERATION	
TOP PLUGS	TYPE:	WEIGHT OF SLURRY: <u>14.8</u> LBS./GAL.		LBS./GAL.		RELEASED		
		VOLUME OF SLURRY: <u>1.32</u> LBS./GAL.				MILES FROM STATION TO WELL		
<u>PS10 1460</u>	MAX DEPTH FT.	MAX PRESSURE		P.S.I.				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only these terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without written consent of an officer of Advanced Drilling Technologies, LLC.

SIGNED: _____
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM / PRICE REF NUMBER	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
001-d	Depth change - Cement - Mileage				
300-2	4 1/2" Accused Flange	7			
300-4	4 1/2" Latex/Bentonite Plug	2			
300-6	4 1/2" Centralizers	10			
300-10					
400-2	Kcl	1000			
	Freshwater 10 BBLS				
	Cement 21.6 BBLS				
	Displacement 23.3 BBLS				
	Bumped plugs & tools				

SUB TOTAL

ACID DATA:			
	GALLONS	%	ADDITIVES
HCL			
HCL			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Directional Drilling Report

Customer: Advanced Drilling Technologies

Address: Advanced Drilling Technologies, LLC
529 North Albany Street
Suite 1250
Yuma, CO 80759

Well Name: Stasser 41-16D
Survey Name: AnTech Stasser Gyro Survey
Date: 13/11/2011

AnTech Ltd
Unit 7, Newbery Centre
Airport Business Park
Exeter. EX5 2UL. UK

Tel: +44 (0)1392 440300
Email: antech@antech.co.uk
www.antech.co.uk
www.coiledtubingdrilling.com



Summary

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Stasser	TVD Reference:	Minimum Curvature Calculation
Well:	Stasser 41-16D	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Well

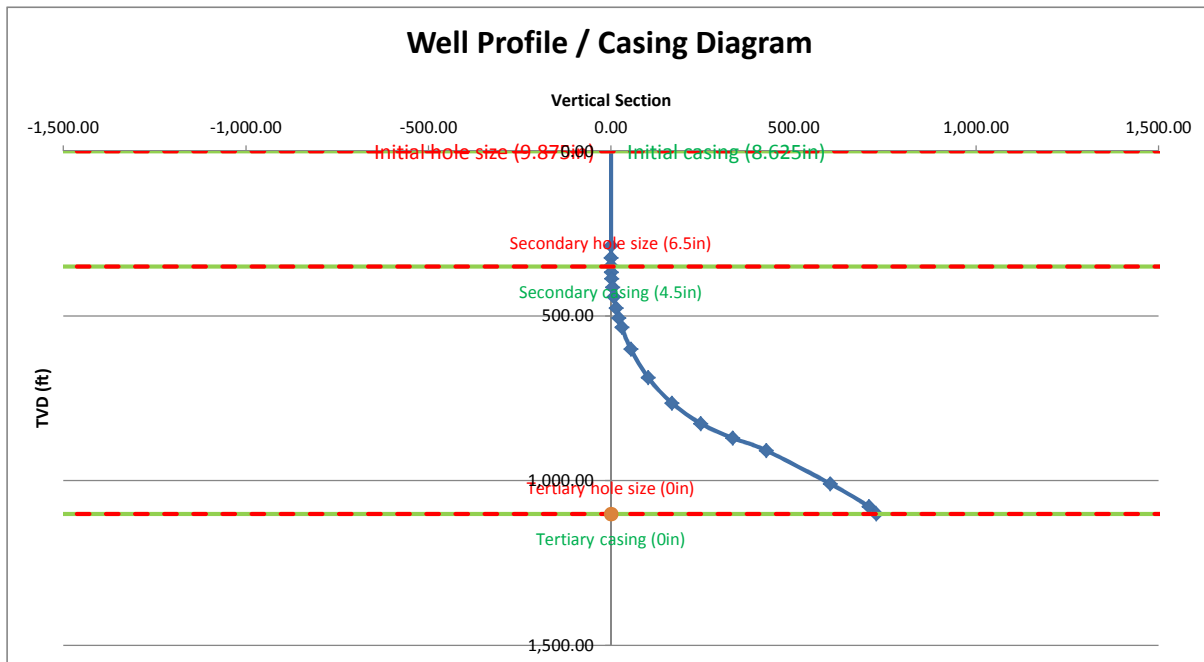
Northing [ft]:	-654.09	Deviation In Azimuth Direction [ft]:	727.02
Easting [ft]:	317.4	Maximum Inclination:	69.67
SHL Latitude:	39°27'08"N	Survey Inclination Error:	±0.15
SHL Longitude:	101°40'20"W	Survey Azimuth Error:	±3
		Deviation from Plan at Zone Entry [ft]:	75.18
		Deviation from Plan at TD [ft]:	21.11

Casing Diagram

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
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Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Depth (ft)	Hole Size (in)	Casing				Cement	Completion Comments
		Size (in)	Weight (ppf)	Grade	Thread		
350	9.875	8.625	24	J-55		Neat	8hrs to work
1468	6.5	4.5	10.5	J-55		Neat	

	Diameter (in)	Start Depth (TVD)	End Depth (TVD)
Initial hole size	9.88		350.0
Initial casing	8.63		350.0
Secondary hole size	6.50	350.0	1101.0
Secondary casing	4.50	350.0	1101.0
Tertiary hole size		1101.0	1101.0
Tertiary casing		1101.0	1101.0





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Formation Tops

Name	TVD [ft]	Data Points Direction	Distance [ft]	Dip distance (χ) (Dip=1'/ χ)
TOP BIZ	1005	N-S	3000	5000



Well Plan Data

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
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Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Final Bearing / Azimuth for section view (°)	154.48
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Projected TD Survey

Measured Depth ft	Inclination Angle degrees	Azimuth degrees	True Vertical Depth ft	North/South ft	East/West ft	Vertical Section ft	Dogleg Severity %/100ft	Reference	Description	Section
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RKB	tie point	0
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00		vertical	0-1
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00		vertical	0-1
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00		vertical	0-1
325.00	0.00	0.00	325.00	0.00	0.00	0.00	0.00	KOP	End Vertical	1
400.00	7.50	154.48	399.79	-4.42	2.11	4.90	10.00		build	1-2
500.00	17.50	154.48	497.29	-23.93	11.42	26.52	10.00		build	1-2
600.00	27.50	154.48	589.56	-58.42	27.89	64.74	10.00		build	1-2
700.00	37.50	154.48	673.79	-106.85	51.01	118.40	10.00		build	1-2
800.00	47.50	154.48	747.43	-167.74	80.08	185.87	10.00		build	1-2
860.00	53.50	154.48	785.58	-209.50	100.02	232.15	10.00		End build	2
1000.00	53.50	154.48	868.85	-311.06	148.50	344.69	0.00		straight	2-3
1100.00	53.50	154.48	928.33	-383.60	183.13	425.08	0.00		straight	2-3
1200.00	53.50	154.48	987.82	-456.15	217.77	505.46	0.00		straight	2-3
1228.89	53.50	154.48	1,005.00	-477.10	227.77	528.68	0.00	TOP OF BIZ	straight	2-3
1300.00	53.50	154.48	1,047.30	-528.69	252.40	585.85	0.00		straight	2-3
1400.00	53.50	154.48	1,106.78	-601.23	287.03	666.23	0.00		straight	2-3
1450.00	53.50	154.48	1,136.52	-637.50	304.35	706.42	0.00	TD	End Straight	3



Drilling Data

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
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Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

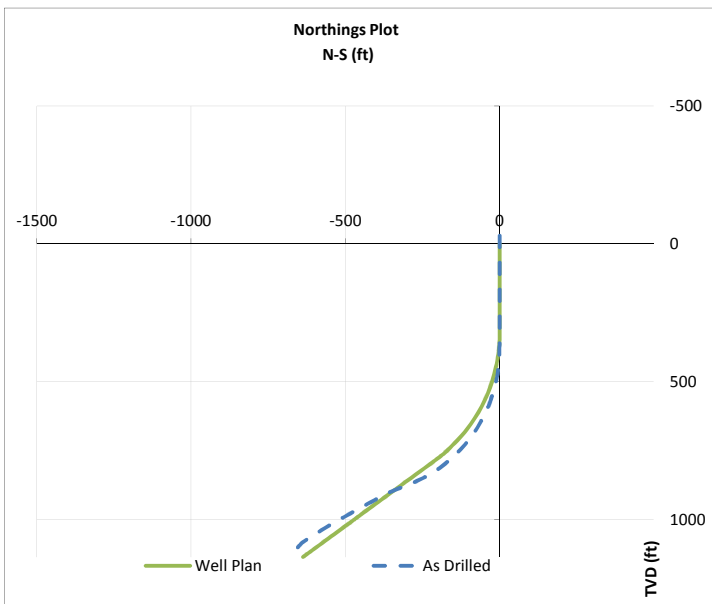
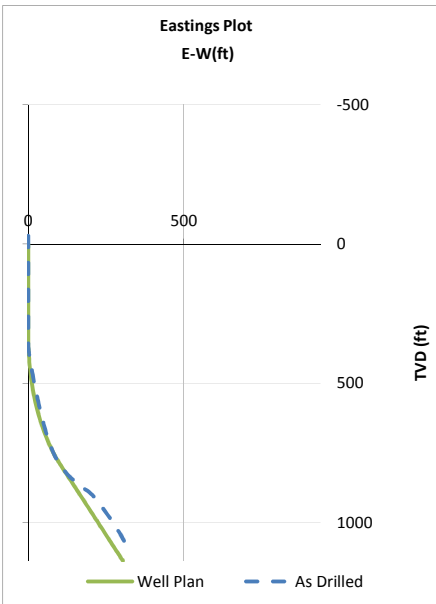
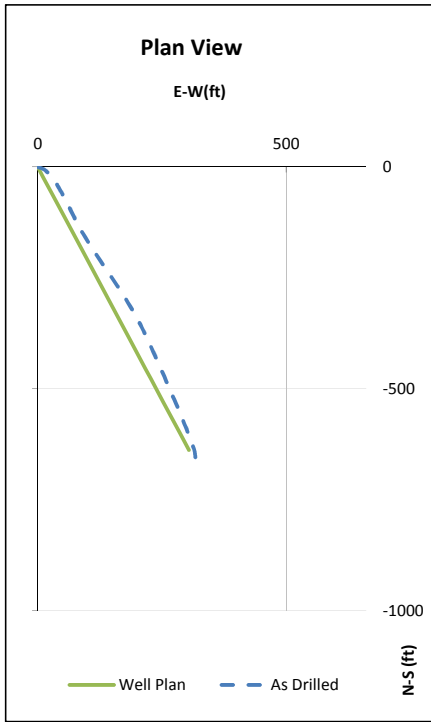
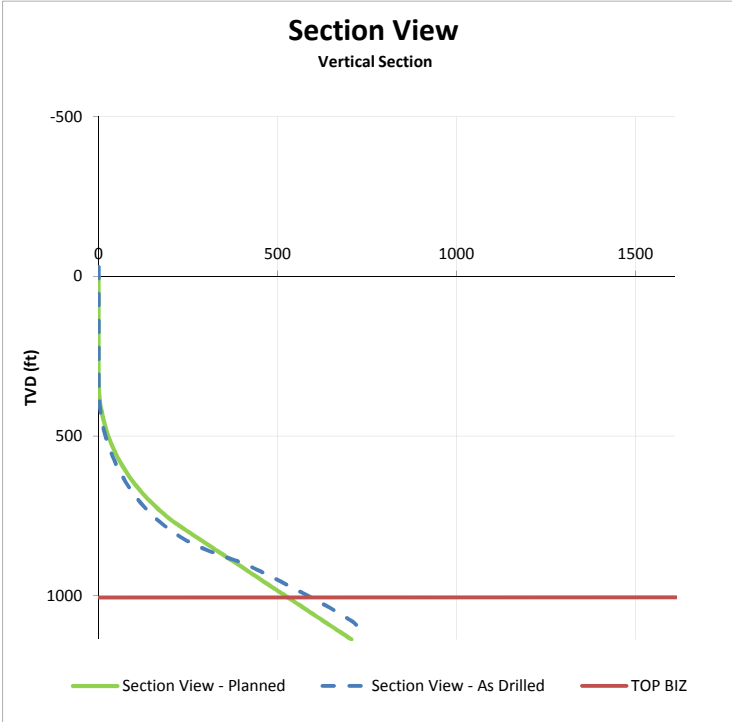
Final Bearing / Azimuth for section view (*)	154.48
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Actual Survey Data

Measured Depth ft	Bit Depth ft (MD +30 ft)	Inclination Angle degrees	Azimuth degrees	True Vertical Depth ft	North/South ft	East/West ft	Vertical Section ft	Dogleg Severity */100ft	Reference	Description	Time	Date
-30.00	0.00	0.00	0.00	-30.00	0.00	0.00	0.00	0.00			06:10	12/11/2011
287.00	317.00	0.00	0.00	287.00	0.00	0.00	0.00	0.00	Tag cement	vertical		
323.97	353.97	0.00	0.00	323.97	0.00	0.00	0.00	0.00	Kick Off	build		
347.00	377.00	0.79	150.83	347.00	-0.14	0.08	0.16	3.43	build & rotate	build	08:55	
367.00	397.00	3.68	120.30	366.98	-0.58	0.70	0.83	15.13	build & rotate	build	09:30	
387.00	417.00	5.31	102.49	386.92	-1.11	2.16	1.93	10.64	build & rotate	build	10:46	
413.00	443.00	9.22	108.65	412.71	-2.03	5.31	4.12	15.31	build & rotate	build	11:15	
443.00	473.00	10.55	113.34	442.26	-3.89	10.11	7.86	5.18	build & rotate	build	11:54	
477.93	507.93	12.29	135.37	476.52	-7.81	15.66	13.79	13.34	build & rotate	build	12:26	
508.74	538.74	15.98	141.31	506.39	-13.45	20.61	21.02	12.85	build & rotate	build	13:00	
538.00	568.00	18.18	141.31	534.36	-20.16	25.98	29.39	7.52	build & rotate	build	13:51	
608.80	638.80	23.57	151.40	600.51	-41.23	39.68	54.30	9.13	build & rotate	build	23:57	
708.00	738.00	34.02	156.23	687.33	-84.16	60.42	101.98	10.78	build & rotate	build	21:30	
808.67	838.67	46.00	154.53	764.30	-142.84	87.44	166.58	11.95	build & rotate	build	22:21	
909.87	939.87	57.66	147.16	826.79	-211.92	126.44	245.72	12.85	build & rotate	build	23:17	
1008.00	1038.00	69.67	150.88	870.25	-287.24	171.49	333.10	12.70	build & rotate	build	00:10	13/11/2011
1107.56	1137.56	65.06	155.52	908.58	-369.18	212.95	424.91	6.32	build & rotate	drop	01:36	
1310.80	1340.80	55.45	161.20	1,009.35	-532.76	278.30	600.68	5.31	Back Survey	drop	06:45	
1437.95	1467.95	53.00	163.11	1,078.46	-633.00	313.83	706.45	4.14	TD	TD	06:27	
1467.95	N/A	53.00	163.11	1,101.22	-654.09	317.40	727.02	1.84	Extrapolated as a straight line			

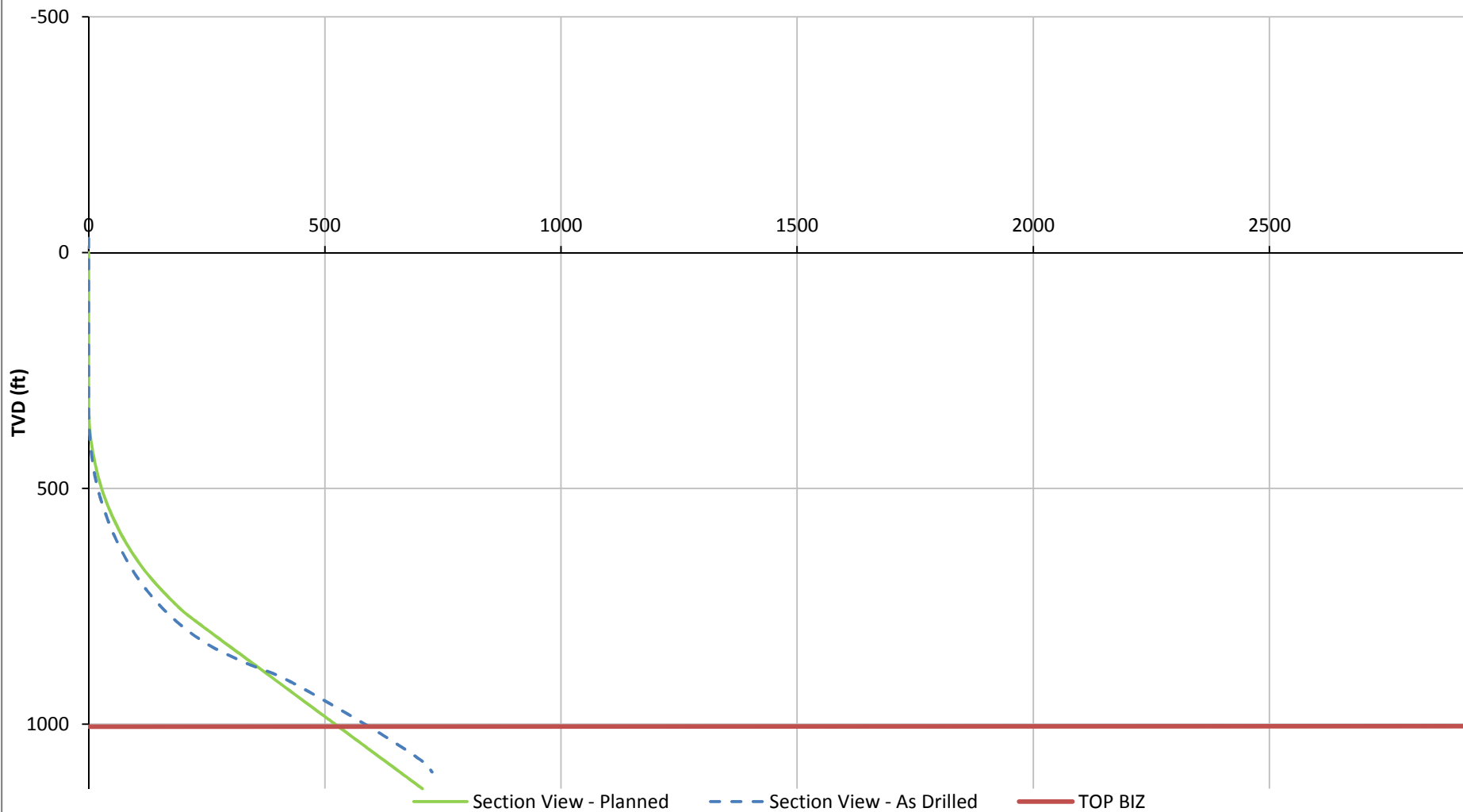
Summary Well Plots

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
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Well:	Stasser 41-16D	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature



Section View

Vertical Section





Plan Plot

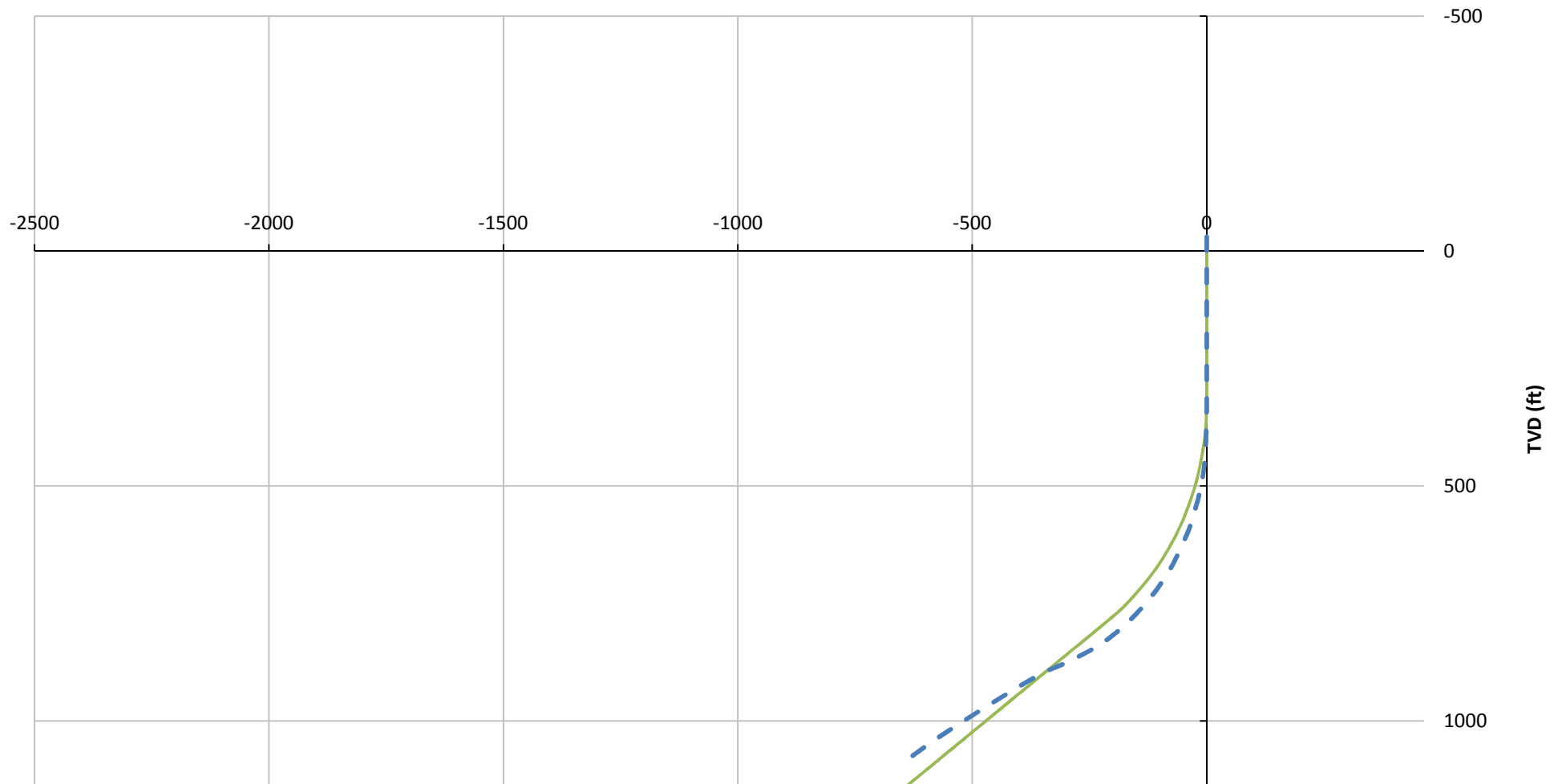
E-W(ft)



— Well Plan - - - As Drilled

Northings Plot

N-S (ft)

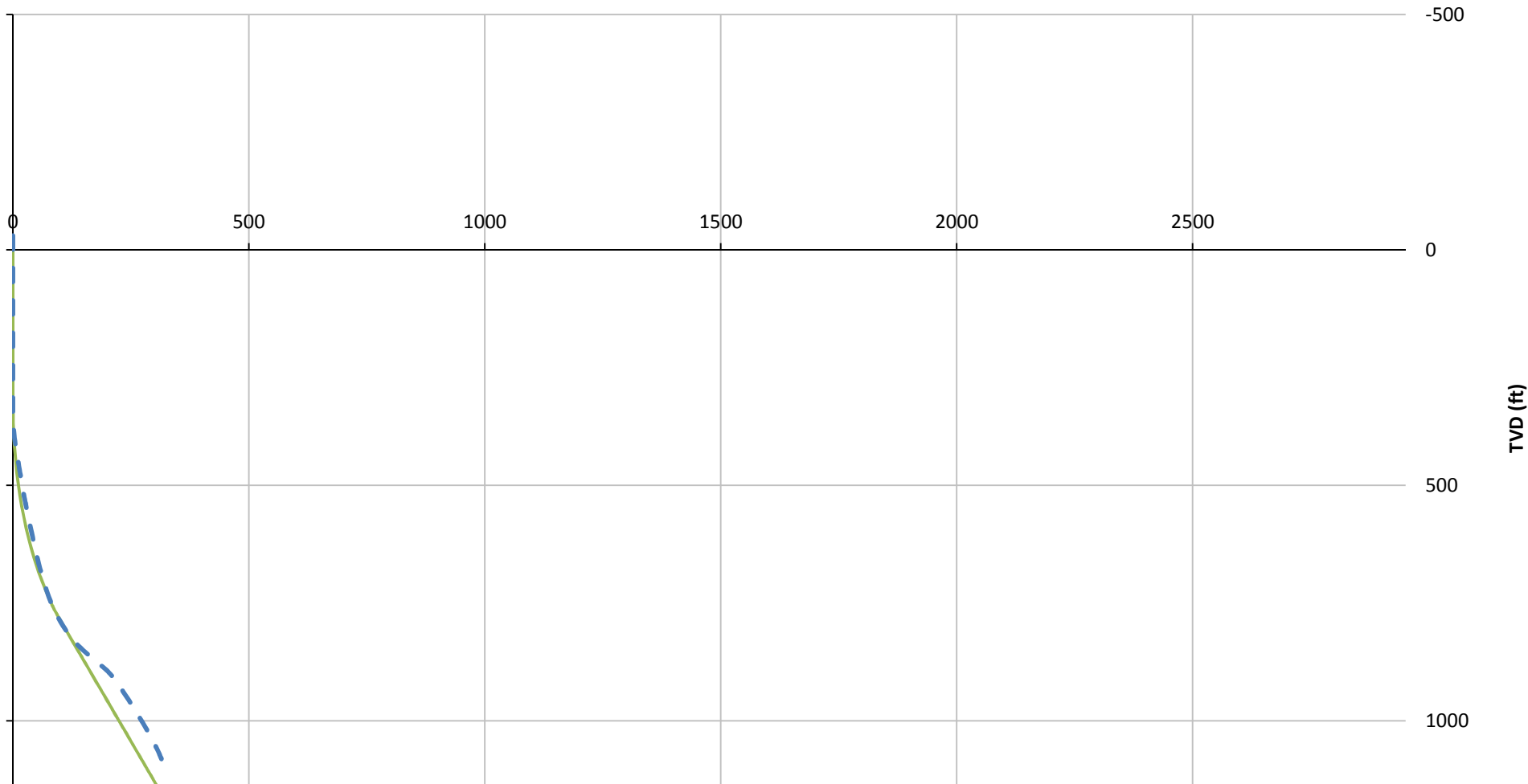


— Well Plan

- - As Drilled

Eastings Plot

E-W(ft)



— Well Plan

- - As Drilled



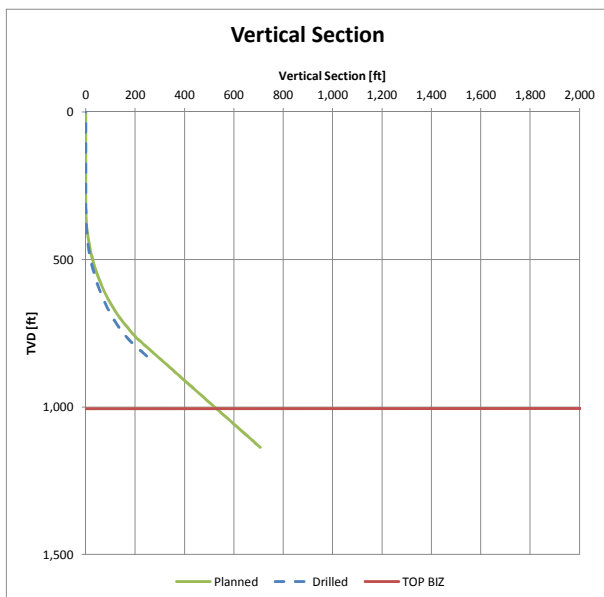
Directional Drilling Morning Report

DATE: 09/11/2011
TIME: 10:31

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	1.83
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Stasser	TVD Reference:	Minimum Curvature Calculation
Well:	Stasser 41-16D	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	6 1/2"	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Event Log

Time	Date	Measured Depth [ft]	Description	Inclination	Azimuth	Pump Rate [GPM]	Mud Weight [PPG]
06:10	08/11/2011		RIH				
08:18		353.97	Set up surveys complete (Toolface - 154.93)	1.33			
08:20			Drill 20ft @154.93 tool face, no rotation, build only				
09:23		377.10	Survey (Toolface - 150.83) orient toolface to 154	0.79			
09:50			Drill 20ft @154.93 tool face, no rotation, build only				
10:15		397.00	Survey (Toolface - 122.09) NOTE - Keep pulling left	3.71	122.09		
10:38			Drill 20ft @154.93 tool face, no rotation, build only				
10:53		413.59	Survey - Now above 5 deg Inc	5.12	102.49		
11:00			Drill 30ft @ 45 deg toolface				
11:20		443.75	Survey	9.22	108.65		
11:30			Drill 30ft @ 90 deg toolface				
11:54		474.39	Survey	10.54	113.34		
12:00			Drill 30ft @60 deg toolface				
12:26		507.00	Survey	12.29	135.37		
12:30			Drill 30ft @ 45 deg toolface				
13:00		538.74	Survey	15.98	141.31		
13:08			Drill straight with orienter rotation for 30ft				
13:51		568.00	Survey	18.37	140.21		
14:00			Drill 70ft @ 0 tool face (build)				
14:36			Tool failure - tool leaking current, orienter rotation failed				
14:37		638.00	Survey	23.57	151.40		
14:40			POOH, swap tools, replace cablehead				
20:00			RIH with new tool				
20:45		636.00	Check last survey	24.70	152.99		
20:52			Drill @ 15 deg tool face to build for 100ft				
21:20		737.00	Survey	34.02	156.23		
21:40			Drill @ 20 deg tool face to build for 100ft				
22:21		838.67	Survey	46.00	154.53		
22:25			Drill @ 0 deg tool face to build for 100ft				
23:17		939	Survey	57.66	147.16		
23:20			Drill 70ft @20 deg toolface, rotate for 30ft				
00:17	09/11/2011	1038	Survey	69.67	150.88		
01:34		1138	Survey	65.08	155.52		
01:40			Drill 60ft @ 145deg toolface, rotate for 40ft				
02:45		1250	In zone. Drill straight to TD. Survey on POOH				
06:22		1340.8	Survey @ TD	55.45	161.2		
06:45		1340.8	Back Survey	55.45	161.2		
07:00			POOH, Rig down				





Measured Depth ft	Bit Depth ft (MD +30 ft)	Inclination Angle degrees	Azimuth degrees	True Vertical Depth ft	North/South ft	East/West ft	Vertical Section ft	Dogleg Severity °/100ft	Reference	Description	Time	Date
-30.00	0.00	0.00	0.00	-30.00	0.00	0.00	0.00	0.00		KB		12/11/2011
287.00	317.00	0.00	0.00	287.00	0.00	0.00	0.00	0.00	Tag cement	vertical		
323.97	353.97	0.00	0.00	323.97	0.00	0.00	0.00	0.00	Kick Off	build		
347.00	377.00	0.79	150.83	347.00	-0.14	0.08	0.16	3.43	build & rotate	build	08:55	
367.00	397.00	3.68	120.30	366.98	-0.58	0.70	0.83	15.13	build & rotate	build	09:30	
387.00	417.00	5.31	102.49	386.92	-1.11	2.16	1.93	10.64	build & rotate	build	10:46	
413.00	443.00	9.22	108.65	412.71	-2.03	5.31	4.12	15.31	build & rotate	build	11:15	
443.00	473.00	10.55	113.34	442.26	-3.89	10.11	7.86	5.18	build & rotate	build	11:54	
477.93	507.93	12.29	135.37	476.52	-7.81	15.66	13.79	13.34	build & rotate	build	12:26	
508.74	538.74	15.98	141.31	506.39	-13.45	20.61	21.02	12.85	build & rotate	build	13:00	
538.00	568.00	18.18	141.31	534.36	-20.16	25.98	29.39	7.52	build & rotate	build	13:51	
608.80	638.80	23.57	151.40	600.51	-41.23	39.68	54.30	9.13	build & rotate	build	23:57	
708.00	738.00	34.02	156.23	687.33	-84.16	60.42	101.98	10.78	build & rotate	build	21:30	
808.67	838.67	46.00	154.53	764.30	-142.84	87.44	166.58	11.95	build & rotate	build	22:21	
909.87	939.87	57.66	147.16	826.79	-211.92	126.44	245.72	12.85	build & rotate	build	23:17	
1008.00	1038.00	69.67	150.88	870.25	-287.24	171.49	333.10	12.70	build & rotate	build	00:10	13/11/2011
1107.56	1137.56	65.06	155.52	908.58	-369.18	212.95	424.91	6.32	build & rotate	drop	01:36	
1310.80	1340.80	55.45	161.20	1009.35	-532.76	278.30	600.68	5.31	Back Survey	drop	06:45	
1437.95	1467.95	53.00	163.11	1078.46	-633.00	313.83	706.45	4.14	TD	TD	06:27	
1467.95	N/A	53.00	163.11	1101.22	-654.09	317.40	727.02	1.84	Extrapolated as a straight line	0.00		