



KANSAS CORPORATION COMMISSION 1085026
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33019
Name: Rosewood Resources, Inc.
Address 1: 2101 CEDAR SPRINGS RD, STE 1500
Address 2: _____
City: DALLAS State: TX Zip: 75201 + _____
Contact Person: Tom Roelfs
Phone: (214) 849-9300
CONTRACTOR: License # 33532
Name: Advanced Drilling Technologies LLC
Wellsite Geologist: Steven VonFeldt
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 #: _____

<u>11/10/2011</u>	<u>02/06/2012</u>	<u>03/21/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-181-20573-01-00

Spot Description: _____
NE NE NE SE Sec. 18 Twp. 7 S. R. 39 East West
2329 Feet from North / South Line of Section
217 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Sherman
Lease Name: Foust-Ihrig Well #: 43-18H

Field Name: _____
Producing Formation: Niobrara

Elevation: Ground: 3570 Kelly Bushing: 3582

Total Depth: 1920 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 336 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: 5000 ppm Fluid volume: 200 bbls
Dewatering method used: Evaporated

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	
<input type="checkbox"/> Letter of Confidentiality Received	Date: _____
<input type="checkbox"/> Confidential Release Date: _____	
<input checked="" type="checkbox"/> Wireline Log Received	
<input type="checkbox"/> Geologist Report Received	
<input type="checkbox"/> UIC Distribution	
ALT <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	Approved by: <u>Deanna Garrison</u> Date: <u>07/03/2012</u>



1085026

Operator Name: Rosewood Resources, Inc. Lease Name: Foust-Ihrig Well #: 43-18H
 Sec. 18 Twp. 7 S. R. 39 East West County: Sherman

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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Gamma Ray	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Niobrara</td> <td>1846</td> <td>KB</td> </tr> </table>	Name	Top	Datum	Niobrara	1846	KB
Name	Top	Datum					
Niobrara	1846	KB					

CASING RECORD <input checked="" 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
Surface	12.25	9.625	32	336	Neat	110	
Intermediate	8.625	7	17	1332.29	Neat	90	

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
4	1882 to 1902		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>1907.15</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>04/19/2012</u>	Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf <u>17</u> Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" 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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Directional Drilling Report

Drilling Report Number: DDR-0005

Customer: Advanced Drilling Technologies

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

Well Name: Foust-Ihrig 43-18H

Date: 07/02/2012

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	Local Co-ordinate Reference:	GPS
Project:	Polaris Operational Trials	TVD Reference:	Minimum Curvature Calculation
Site:	Foust-Ihrig	MD Reference:	Pason Bit Depth
Well:	Foust-Ihrig 43-18H	North Reference:	Gyro True North
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	Survey Calculation Method:	Minimum Curvature
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Tool Used:	Polaris
Motor Bend Angle:	2.77 & 1.15	Tool Name:	Yellow & Green Tools

Well

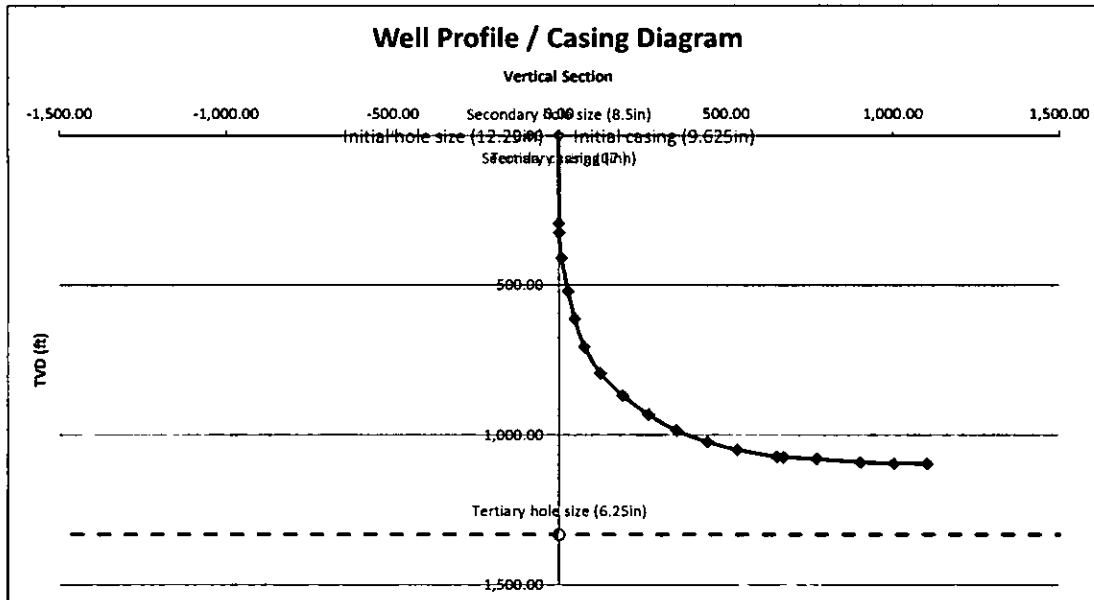
Northing [ft]:	Deviation In Azimuth Direction [ft]:	1102.96
Easting [ft]:	Maximum Inclination:	90.4
SHL Latitude:	Survey Inclination Error:	±0.15
SHL Longitude:	Survey Azimuth Error:	±3
	Deviation from Plan at Zone Entry [ft]:	80.5
	Deviation from Plan at TD [ft]:	

Casing Diagram

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	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		
336	12.25	9.625	29.3	J-55		Neat	
1332	8.5	7	17	J-55		Neat	

	Diameter (in)	Start Depth (TVD)	End Depth (TVD)
Initial hole size	12.25		336.0
Initial casing	9.63		336.0
Secondary hole size	8.50		1332.0
Secondary casing	7.00		1332.0
Tertiary hole size	6.25	1332.0	1920.0
Tertiary casing			





Well Data

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
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Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Formation Tops

Name	TVD [ft]	Data Points Direction	Distance [ft]	Dip distance (x) (Dip=1'/x)
TOP BIZ	1069		3000	66.67
BOTTOM BIZ	1099		3000	66.67

Well Plan Data

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	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 (")	207.88
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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	SKN	tie point	0
390.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	KOP	build	1
400.00	0.83	207.88	400.00	-0.06	-0.03	0.07	8.30		build	1-2
500.00	9.13	207.88	499.54	-7.73	-4.09	8.75	8.30		build	1-2
600.00	17.43	207.88	596.78	-28.02	-14.82	31.70	8.30		build	1-2
700.00	25.73	207.88	689.69	-60.50	-32.01	68.44	8.30		build	1-2
800.00	34.03	207.88	776.32	-104.50	-55.28	118.22	8.30		build	1-2
900.00	42.33	207.88	854.85	-159.09	-84.16	179.98	8.30		build	1-2
1000.00	50.63	207.88	923.66	-223.13	-118.04	252.43	8.30		build	1-2
1100.00	58.93	207.88	981.28	-295.28	-156.21	334.05	8.30		build	1-2
1200.00	67.23	207.88	1,026.51	-374.02	-197.87	423.14	8.30		build	1-2
1300.00	75.53	207.88	1,058.41	-457.72	-242.14	517.82	8.30		build	1-2
1329.76	78.00	207.88	1,065.23	-483.32	-255.69	546.79	8.30	End build	build	2
1350.00	78.00	207.88	1,069.43	-500.82	-264.95	566.59	0.00	Top of BII Change Bit	straight	3
1400.00	81.29	207.88	1,078.42	-544.29	-287.94	615.76	6.58		build	3-4
1500.00	87.87	207.88	1,087.86	-632.24	-334.47	715.26	6.58		build	3-4
1519.30	89.14	207.88	1,088.36	-649.30	-343.49	734.56	6.58		build	4
1702.53	89.14	207.88	1,091.11	-811.24	-429.17	917.77	0.00		straight	4-5
1800.00	89.14	207.88	1,092.58	-897.39	-474.74	1,015.22	0.00		straight	4-5
1900.00	89.14	207.88	1,094.08	-985.77	-521.50	1,115.21	0.00		straight	4-5
2000.00	89.14	207.88	1,095.58	-1,074.15	-568.25	1,215.20	0.00		straight	4-5
2100.00	89.14	207.88	1,097.08	-1,162.53	-615.01	1,315.19	0.00		straight	4-5
2200.00	89.14	207.88	1,098.58	-1,250.92	-661.77	1,415.18	0.00		straight	4-5
2300.00	89.14	207.88	1,100.08	-1,339.30	-708.52	1,515.17	0.00		straight	4-5
2400.00	89.14	207.88	1,101.58	-1,427.68	-755.28	1,615.16	0.00		straight	4-5
2500.00	89.14	207.88	1,103.08	-1,516.07	-802.04	1,715.15	0.00		straight	4-5
2600.00	89.14	207.88	1,104.58	-1,604.45	-848.80	1,815.13	0.00		straight	4-5
2700.00	89.14	207.88	1,106.09	-1,692.83	-895.55	1,915.12	0.00	TD	End straight	5



Drilling Data

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-#brig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-#brig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

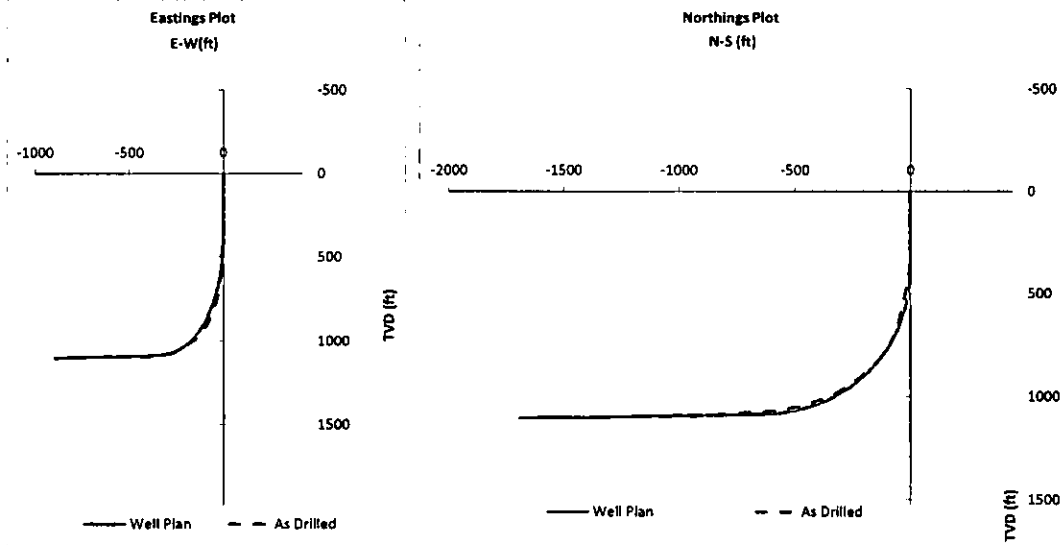
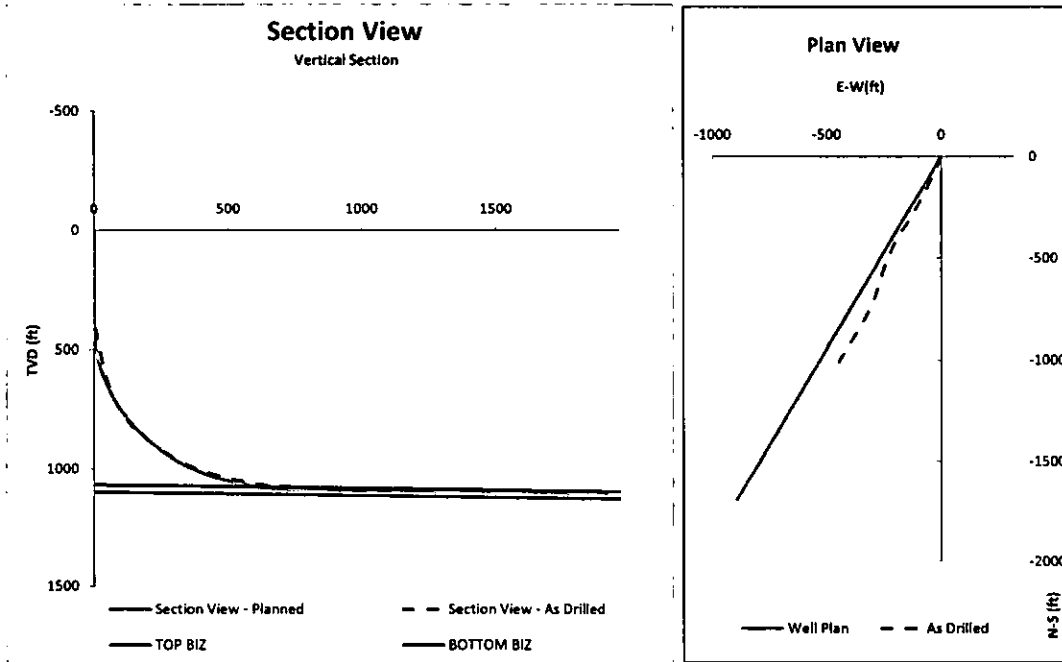
Final Bearing / Azimuth for section view (")	207.88
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Actual Survey Data												
Measured Depth ft	Bit Depth ft (MD +30 ft)	Inclination Angle degrees	Azimuth degrees	True Vertical Depth ft	North/South ft	East/West ft	Vertical Section ft	Dogleg Severity */100ft	Reference	Description	Time	Date
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Vertical	12:46	31/01/2012
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Tag Cement	Vertical	13:45	
328.00	358.00	1.53	260.60	325.00	-0.07	-0.42	0.43	4.78	XO	Build/Rotate	16:46	
410.00	440.00	8.90	194.75	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
521.00	551.00	11.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
435.00	445.00	12.98	191.59	610.68	-44.11	-16.36	47.04	3.11		Rotate	19:52	
715.00	745.00	20.87	205.64	706.31	-71.22	-26.35	75.93	8.84		Build/Rotate	21:07	
815.00	845.00	16.64	201.94	793.71	-115.22	-45.35	123.83	15.86		Build/Rotate	22:24	
915.00	945.00	46.94	204.87	868.17	-176.21	-71.96	190.34	10.48		Build/Rotate	23:44	
1015.00	1045.00	53.62	204.87	932.04	-245.95	-104.29	267.15	6.68		Build/Rotate	02:27	01/02/2012
1115.00	1145.00	62.65	210.21	984.66	-321.13	-143.71	351.82	10.28		Build/Rotate	04:03	
1214.00	1244.00	72.71	208.84	1,022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	
1310.00	1340.00	74.07	199.29	1,049.73	-484.50	-226.45	534.81	9.76				04/02/2012
1410.00	1440.00	83.74	197.34	1,072.80	-596.13	-263.47	651.76	8.23		build	22:15	
1451.00	1481.00	86.83	193.21	1,074.53	-616.32	-268.98	672.46	24.51		build	23:18	
1552.00	1582.00	86.47	189.47	1,080.49	-713.99	-297.58	773.52	6.10		build	06:56	05/02/2012
1684.00	1714.00	84.70	208.65	1,090.60	-833.14	-350.72	903.95	7.15		build	09:06	
1784.00	1814.00	98.40	208.65	1,094.87	-920.78	-398.60	1,003.36	5.70		build	10:54	
1884.00	1914.00	88.20	208.65	1,096.09	-1,008.53	-446.54	1,102.96	2.20		Straight	01:55	06/02/2012



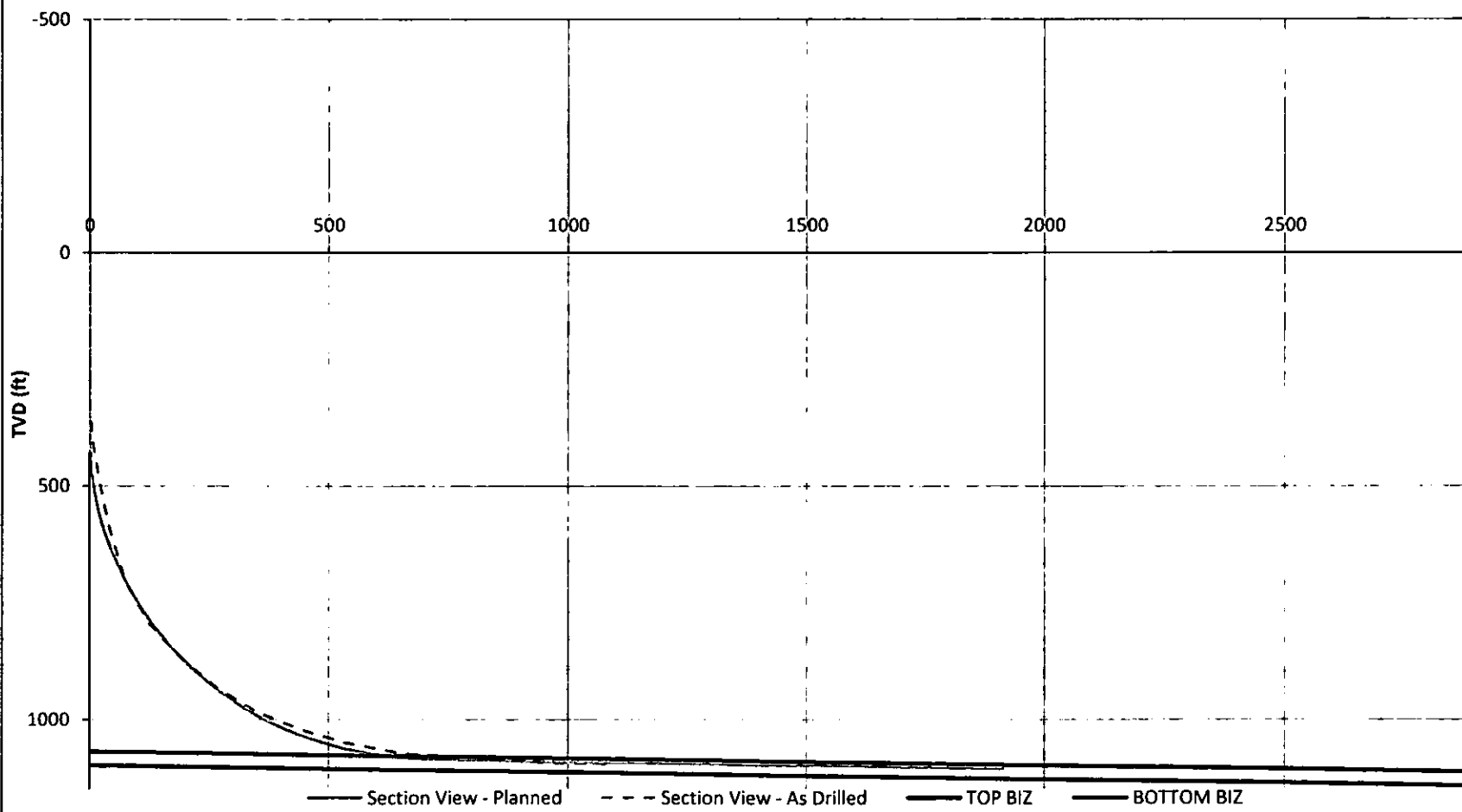
Summary Well Plots

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 9/32")	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature



Section View

Vertical Section

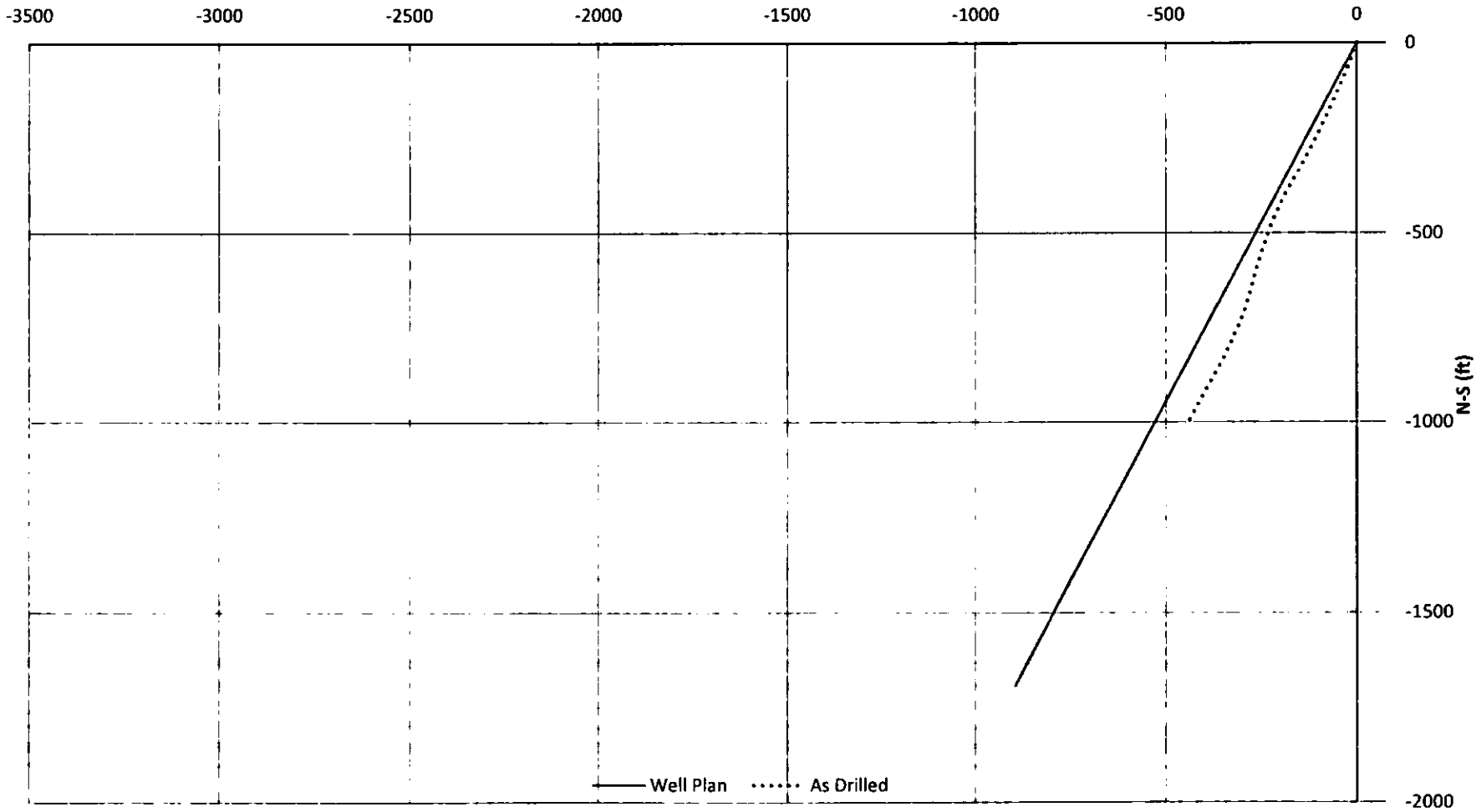


AnTech™

Plan Plot

E-W(ft)

ADVANCED
DRILLING

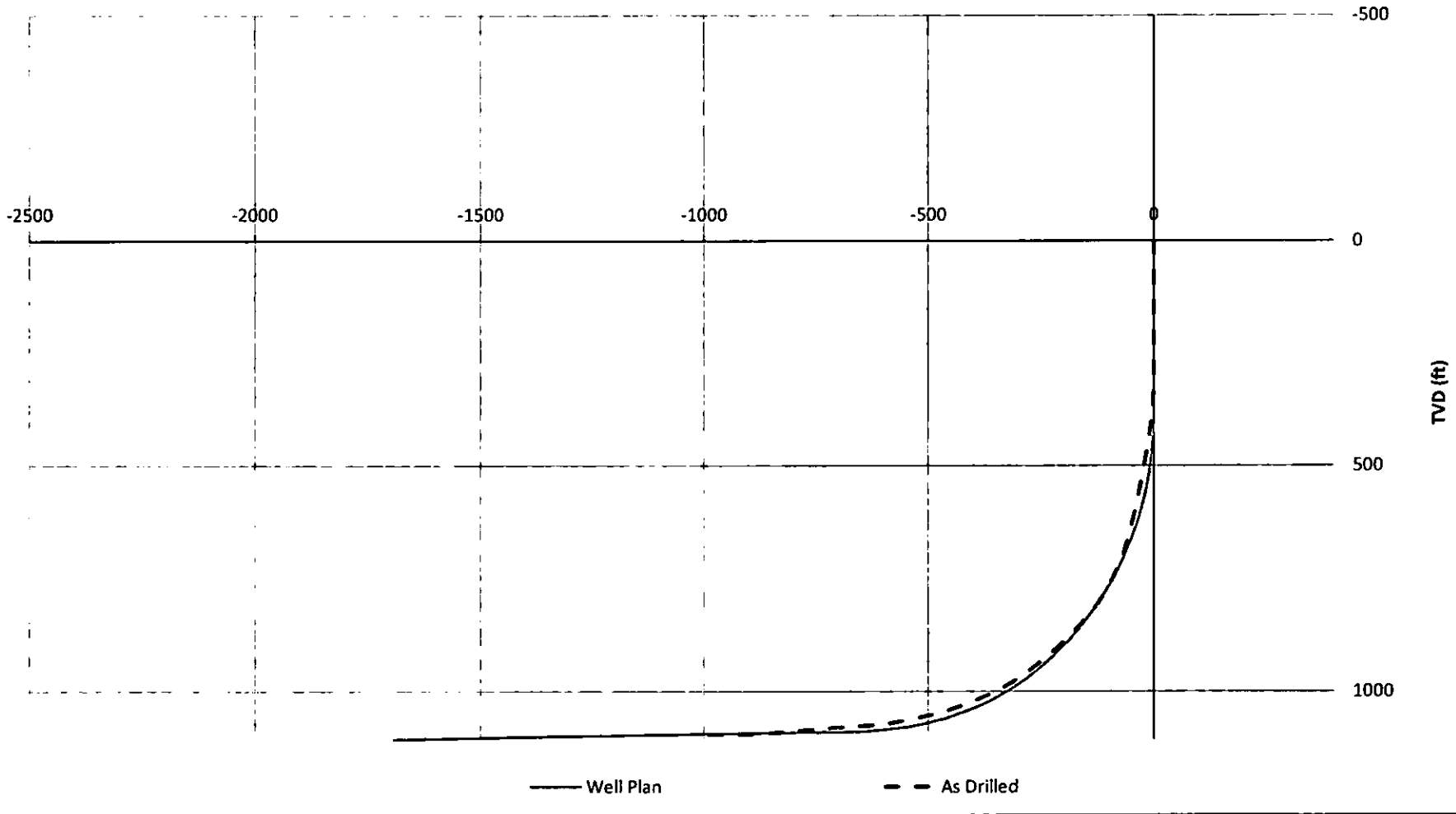


AnTech™

Northings Plot

**ADVANCED
DRILLING
TECHNOLOGIES**

N-S (ft)



— Well Plan

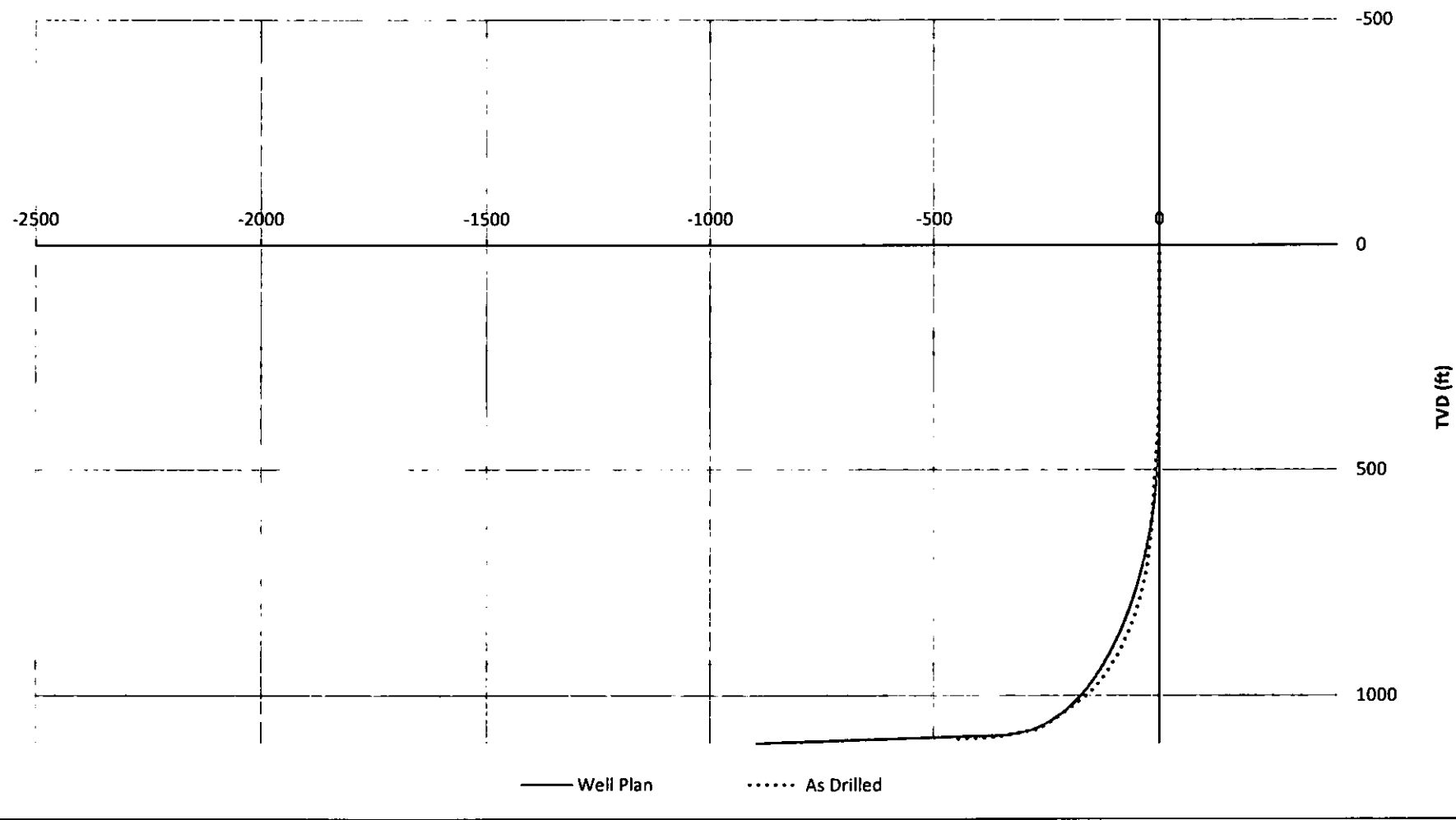
- - As Drilled

AnTech™

Eastings Plot

**ADVANCED
DRILLING
TECHNOLOGIES**

E-W(ft)



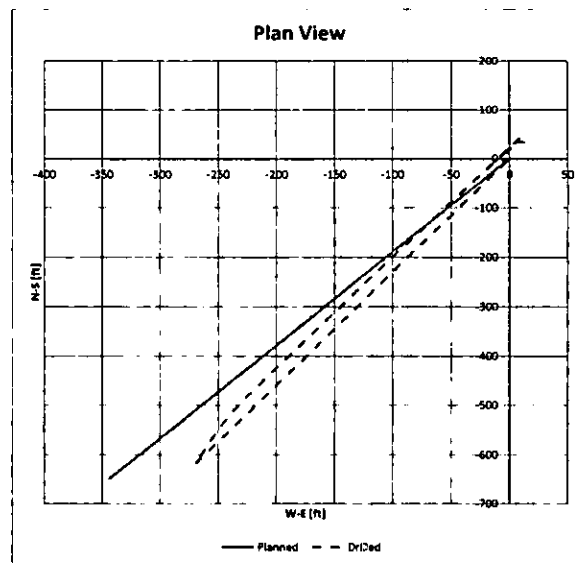
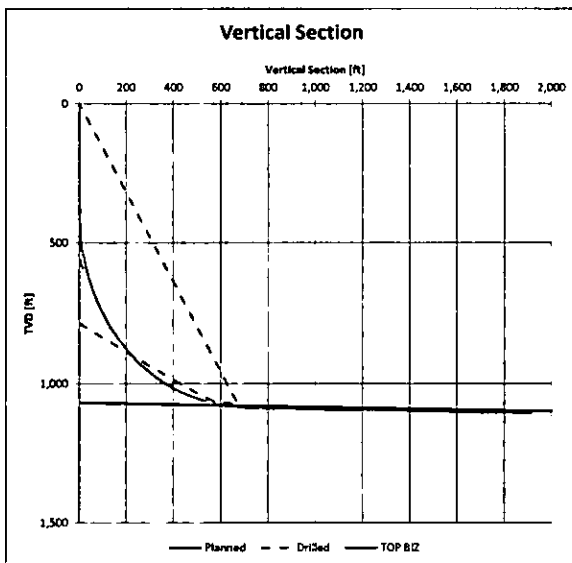


Directional Drilling Morning Report

DATE: 27/01/2012
TIME: 12:12

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 1	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Time	Date	Measured Depth [ft]	Description	Inclination	Asimuth	Pump Rate [GPM]	Mud Weight [PPG]
23:25	26/01/2012	0.00	Rigged up ready to RIH	N/A	N/A	158.00	
00:51	27/01/2012	60.00	RIH	N/A	N/A	158.00	8.30
02:07		336.00	Tag Cement - Rotate orienter to drill straight to 390	N/A	N/A	300.00	
03:11		390.00	3 Surveys to orient and confirm toolface [at 244.89 deg] - build	1.41	N/A	300.00	
04:00		435.00	Survey - build (tool face at 227.70)	3.47	N/A	300.00	
04:40		485.00	Survey - build (tool face at 255) for 100ft	4.13	N/A	300.00	
06:05		585.00	Survey - build	15.02	10.43	300.00	
06:35		535.00	Survey - pull pack 50ft and re survey	4.91	71.19	300.00	
07:18		605.00	RIH, drill on 40ft straight and survey	14.66	6.42	300.00	
07:58		635.00	Build right (toolface at 90), 30ft and survey	15.02	10.43	300.00	
09:09		675.00	Set toolface to 180 deg, build 40ft	15.71	26.51	300.00	
09:43		715.00	Set toolface to 180 deg, build 40ft	10.42	37.00	300.00	
10:18		755.00	Set toolface to 180 deg, build 40ft	7.54	78.13	300.00	
11:13		795.00	Survey - build too small POOH	4.55	13.98	300.00	
			POOH. Cement to surface				





Drilling Log

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 ¹ /100ft	Reference	Description	Time	Date
-30.00	0.00	0.00	0.00	-30.00	0.00	0.00	0.00	0.00		KB		
306.00	336.00	0.00	0.00	306.00	0.00	0.00	0.00	0.00	Tag Cement	Straight		
405.00	435.00	3.47	227.70	404.94	-2.02	-2.22	3.00	3.53	0	Build		
455.00	485.00	4.13	251.46	454.83	-3.61	-5.04	6.20	3.38		Build	04:47	
555.00	585.00	12.62	18.84	554.10	5.64	-4.93	7.49	15.47		Build	06:05	
575.00	605.00	14.64	6.42	573.82	6.32	-0.88	6.38	19.02		Straight	07:18	
605.00	635.00	15.02	10.43	602.65	17.19	-1.99	17.30	6.25		Straight	07:58	
645.00	675.00	15.71	26.51	641.42	23.62	4.34	-22.91	7.63		Build	09:09	
685.00	715.00	10.42	37.00	680.73	33.18	4.25	-31.32	9.16		Build	09:43	
725.00	755.00	7.54	78.13	719.89	34.43	14.35	-37.15	15.60		Build	10:18	
765.00	795.00	4.85	11.98	760.03	42.05	9.37	-41.55	8.10		POOH	00:00	



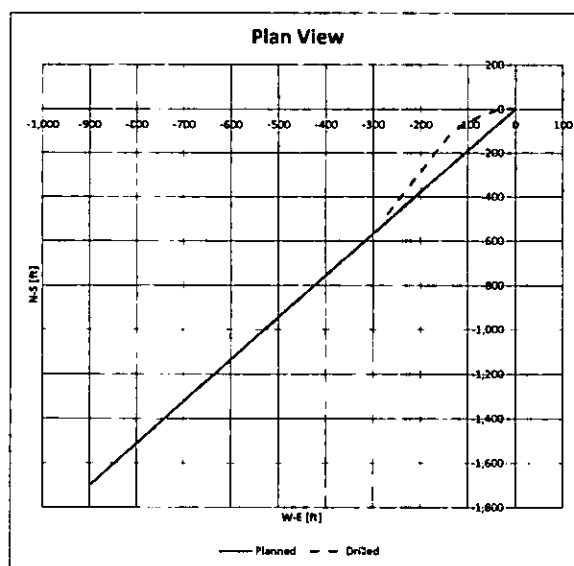
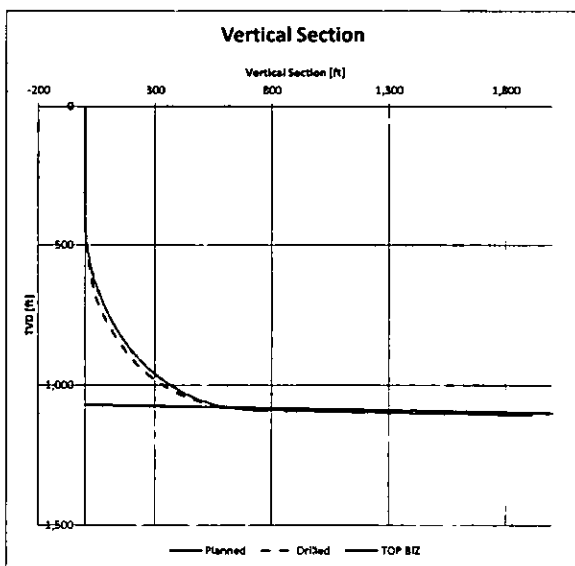
Directional Drilling Morning Report

DATE: 29/01/2012
TIME: 05:00

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foustr-thrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foustr-thrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32"), 6 x 1	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]
05:45	28/01/2012	0.00	Rigged up ready to RIH				
06:00		0.00	RIH				8.70
06:30		390.00	RIH - Zero				8.70
06:47		398.00	Tag Cement				8.70
07:21		394.00	Initial surveys and KQ - toolface @ 216.88	1.04	216.88	285.00	8.70
07:54		435.00	Survey and build 40ft - toolface @ 201.53	2.70	201.53	291.00	8.70
09:00		475.00	Survey and build 40ft - toolface @ 13.95	2.31	302.57	259.00	8.70
09:45		510.00	Survey	4.21	294.31	290.00	8.70
10:35		550.00	Survey	9.92	284.11	290.00	8.70
12:00		680.00	Survey	16.60	242.31	300.00	8.70
12:53		731.00	Survey	23.71	234.03	300.00	8.70
13:53		825.00	Survey	36.22	224.51	300.00	8.70
15:00		925.00	Survey	42.03	213.90	300.00	8.70
16:20		1025.00	Survey	51.67	197.54	310.00	8.70
17:21		1125.00	Survey	60.27	200.39	310.00	8.70
19:10		1225.00	Survey	67.00	200.00	310.00	8.70
19:40		1300.00	Azimuth capabilities lost. Continue drilling build inclination. Re-survey this point and at 1400 MD w	76.00	200.00	300.00	8.70
20:10		1330.00		76.00	200.00	300.00	8.70
21:30		1409.00	Intermediate TD	76.00	200.00	280.00	8.70
21:30			Wiper trip back to casing before POOH and rig down				
04:00	29/01/2012		Drilling new hole during wiper. POOH. Cement back to surface				





Drilling Log

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
360.00	390.00	0.00	0.00	360.00	0.00	0.00	0.00	0.00		Vertical	06:30	28/01/2012
405.00	435.00	2.70	344.00	404.98	1.03	-0.26	1.06	6.00		Bulld	12:57	
445.00	475.00	2.31	302.57	444.95	2.38	-1.16	2.65	4.72		Bulld	09:09	
490.00	520.00	4.21	294.31	489.87	3.55	-3.43	4.94	4.34		Bulld	09:45	
525.00	555.00	8.32	284.11	524.59	4.81	-7.83	8.94	16.64		Bulld	10:35	
650.00	680.00	16.60	242.31	646.45	-0.88	-13.87	33.88	9.02		Bulld	12:00	
701.00	731.00	23.71	234.03	694.31	-10.30	-48.64	49.72	14.99		Bulld	12:53	
796.00	825.00	34.22	224.51	775.62	-41.35	-83.56	83.23	14.20		Bulld	13:53	
895.00	925.00	42.03	213.90	853.26	-90.30	-123.02	152.61	8.85		Bulld	15:00	
995.00	1025.00	51.67	197.54	921.61	-155.87	-153.70	216.91	35.29		Bulld	16:20	
1095.00	1125.00	60.27	200.39	977.73	-234.13	-180.78	295.75	8.92		Bulld	17:21	
1195.00	1225.00	67.08	200.80	1022.11	-318.17	-213.63	382.11	6.74		Bulld	19:10	
1270.00	1300.00	74.00	200.80	1045.89	-384.94	-235.93	451.48	12.00		Straight	19:40	
1300.00	1330.00	76.00	200.80	1053.14	-412.29	-248.85	480.04	0.00		Straight	20:10	
1379.00	1409.00	74.00	200.80	1072.26	-484.32	-272.88	555.52	0.00		Straight	00:00	



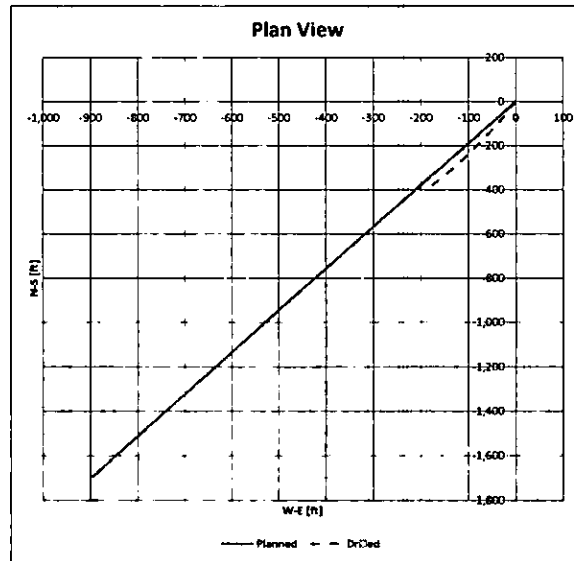
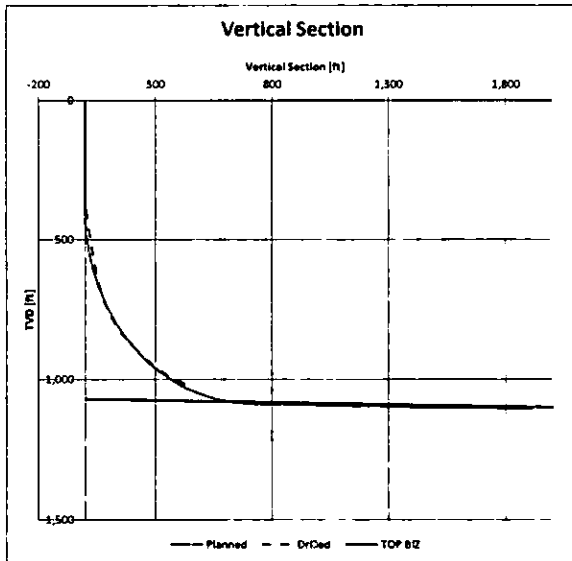
Directional Drilling Morning Report

DATE: 01/02/2012
 TIME: 05:50

Customer:	Advanced Drilling Technologies	Motor Band Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Foust-Ihrig	TVD Reference:	Minimum Curvature Calculation
Well:	Foust-Ihrig 43-18H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 1	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Event Log

Time	Date	Bit Depth [ft]	Description	Inclination	Azimuth	Pump Rate [GPM]	Mud Weight [PPG]
12:25	31/01/2012	0.00	Rigged up ready to RIH	N/A	N/A	192.00	8.90
13:45		323.00	Tag cement - drill straight to 355 ft.				
14:08		355.00	Take initial surveys. Set tooface @ 260.8 deg., KO to 440ft from 16:46.	1.53	N/A	308.00	
17:34		440.00	Survey - 15ft slide to one rotation build to 553ft.	8.90	196.75		8.70
18:45		553.00	Survey - rotate straight for 100ft.	11.70	203.59	303.00	
19:52		645.00	Survey - Build at 60 deg for 15ft then one rotation. Repeat till 745 ft	12.98	191.59	306.00	
21:07		745.00	Survey - Build 70ft at 10 deg then straight for 30ft	20.87	205.66		
22:24		845.00	Survey - Build at 30 deg for 15 ft, then one rotation. Repeat until 945ft	36.64	201.98	303.00	
23:44		945.00	Survey - Build at 35 deg for for 15 ft, then one rotation. Repeat until 1045 ft	46.94	204.87	303.00	8.60
02:27	01/02/2012	1045.00	Survey - Build at 35 deg for for 15 ft, then one rotation. Repeat until 1145 ft	53.62	204.41	292.00	
04:03		1145.00	Survey - Build at 15 deg for for 15 ft, then one rotation. Repeat until 1245 ft	62.85	210.21	287.00	8.90
05:41		1246.00	Survey - Rotate while maintaining inclination as per well plan	72.71	208.86		





Drilling Log

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Vertical	12:46	31/01/2012
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Key Cement	Vertical	13:45	
325.00	355.00	1.53	260.00	325.00	-0.07	-0.42	0.43	4.70	XD	Build/Rotate	16:46	
410.00	440.00	8.90	196.75	409.62	-6.56	-3.44	7.41	9.02		Build/Rotate	17:34	
523.00	553.00	11.70	203.59	520.79	-25.43	-10.95	27.53	2.70		Rotate	18:45	
615.00	645.00	12.98	191.59	610.68	-44.11	-16.26	47.04	3.11		Rotate	19:52	
715.00	745.00	20.87	205.66	706.31	-71.22	-26.35	75.93	8.84		Build/Rotate	21:07	
815.00	845.00	36.64	201.98	793.71	-115.22	-45.35	123.03	15.66		Build/Rotate	22:24	
915.00	945.00	46.94	204.87	868.17	-174.21	-71.96	190.16	10.43		Build/Rotate	23:44	
1035.00	1045.00	53.62	204.87	932.04	-245.95	-104.29	267.15	6.68		Build/Rotate	02:27	01/02/2012
1118.00	1145.00	62.85	210.21	984.66	-323.13	-163.73	351.82	10.28		Build/Rotate	04:03	
1216.00	1246.00	72.71	208.86	1022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	



Drilling Log

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Tag Cement	Vertical	12:46	31/03/2012
325.00	355.00	1.53	260.80	325.00	-0.07	-0.42	0.43	4.78	XO	Build/Rotate	16:46	
410.00	440.00	8.90	196.75	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
523.00	553.00	11.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
625.00	645.00	12.98	191.59	610.68	-44.11	-16.34	47.04	3.11		Rotate	19:52	
715.00	745.00	20.87	205.66	706.31	-71.22	-26.35	75.93	8.84		Build/Rotate	21:07	
835.00	845.00	36.44	201.98	793.71	-115.22	-45.35	123.83	15.86		Build/Rotate	22:24	
935.00	945.00	46.94	204.87	868.17	-176.21	-71.96	190.34	10.48		Build/Rotate	23:44	
1015.00	1045.00	53.62	204.87	932.04	-245.95	-104.29	247.15	6.68		Build/Rotate	02:27	01/02/2012
1115.00	1145.00	62.85	210.21	984.64	-321.13	-143.71	351.82	10.28		Build/Rotate	04:03	
1216.00	1246.00	72.71	208.86	1022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	
1315.00	1345.00	76.42	206.19	1049.35	-487.01	-233.78	548.23	4.56		Rotate	07:43	
1375.00	1405.00	78.20	205.75	1062.33	-539.63	-259.41	598.74	1.05	IM TD. In Zone	Rotate	08:53	



Drilling Log

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
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00		Vertical	12:46	31/01/2012
293 00	323 00	0 00	0 00	293 00	0 00	0 00	0 00	0 00	Try Cement	Vertical	13:45	
323 00	355 00	1 53	260 80	325 00	-0 07	-0 42	0 43	4 70	RO	Build/Rotate	16:46	
410 00	440 00	8 90	196 75	409 62	-6 56	-3 44	7 41	9 82		Build/Rotate	17:38	
523 00	553 00	11 70	203 59	520 79	-25 43	-10 55	27 53	2 70		Rotate	18:45	
618 00	645 00	12 98	191 59	610 68	-44 11	-16 36	47 04	3 11		Rotate	19:52	
715 00	745 00	20 87	205 66	706 31	-71 22	-26 35	75 93	8 84		Build/Rotate	21:07	
815 00	845 00	36 64	201 98	793 71	-115 22	-45 39	123 83	15 86		Build/Rotate	22:24	
915 00	945 00	46 94	204 87	868 17	-176 21	-71 96	190 34	10 48		Build/Rotate	23:44	
1015 00	1045 00	53 62	204 87	932 04	-245 95	-104 29	247 15	6 63		Build/Rotate	02:27	01/02/2012
1115 00	1145 00	62 85	210 21	984 66	-321 13	-143 71	351 82	10 29		Build/Rotate	04:03	
1216 00	1246 00	72 71	208 86	1022 81	-402 39	-189 71	444 87	9 84		Build/Rotate	05:41	
1313 00	1343 00	75 46	212 45	1049 41	-482 61	-217 27	537 78	4 55		Straight	03:09	03/02/2012

Drilling Log

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Vertical	12:46	31/01/2012
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Tag Cement	Vertical	13:45	
325.00	355.00	1.53	260.80	325.00	-0.07	-0.42	0.43	4.70	RO	Build/Rotate	16:46	
410.00	440.00	8.90	196.75	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
523.00	553.00	11.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
615.00	645.00	12.98	191.59	610.68	-44.11	-16.34	47.04	3.11		Rotate	19:52	
715.00	745.00	20.87	205.66	706.31	-71.22	-26.35	75.93	8.84		Build/Rotate	21:07	
815.00	845.00	36.64	201.98	793.71	-115.22	-45.35	123.83	15.86		Build/Rotate	22:24	
935.00	965.00	46.94	204.87	868.17	-176.21	-71.96	190.34	10.48		Build/Rotate	23:44	
1015.00	1045.00	53.62	204.87	932.04	-245.95	-104.29	267.15	6.68		Build/Rotate	02:27	01/02/2012
1115.00	1145.00	62.85	210.21	884.66	-321.13	-143.71	351.82	10.28		Build/Rotate	04:03	
1216.00	1246.00	72.71	208.86	1022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	
1333.00	1343.00	75.46	212.45	1049.41	-482.61	-237.27	537.78	4.55		Straight	03:09	03/02/2012
1410.00	1440.00	77.50	214.79	1072.09	-561.13	-289.49	631.40	3.15		Build/Rotate	04:48	
1525.00	1585.00	80.56	222.97	1094.01	-648.90	-360.32	742.22	7.47		Build/Rotate	06:45	

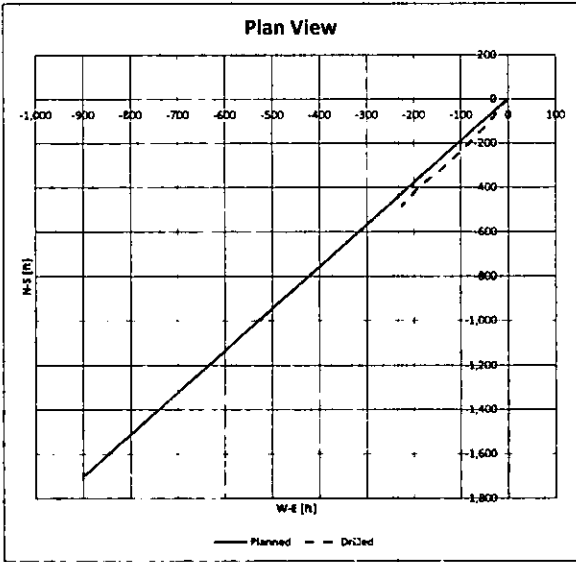
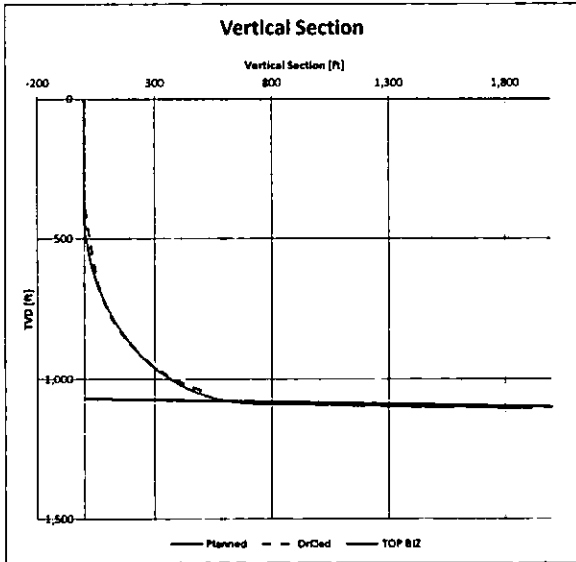


Directional Drilling Morning Report

DATE: 05/02/2012
 TIME: 09:25

Customer:	Advanced Drilling Technologies	Motor Bend Angle:	2.77 & 1.15
Project:	Polaris Operational Trials	Local Co-ordinate Reference:	GPS
Site:	Fouzi-4hrig	TVD Reference:	Minimum Curvature Calculation
Well:	Fouzi-4hrig 43-10H	MD Reference:	Pason Bit Depth
Bit & Nozzle Size:	8.5" PDC (6 x 10/32"), 6.25" PDC (3 x 12/32", 6 x 1	North Reference:	Gyro True North
Drill Motor:	Hunting 5", 7/8, 4.5, 0.46RPG	Survey Calculation Method:	Minimum Curvature

Event Log							
Time	Date	Bit Depth (ft)	Description	Inclination	Azimuth	Pump Rate (GPM)	Mud Weight (PPG)
16:30	04/02/2012	0.00	Rig up				
17:20		49.00	RIH				
20:00			Rotate through casing to 1340ft				
20:43		1340.00	Survey	74.07	199.39		
21:28		1410.00	Survey	76.61	198.21		
21:35		1415.00	Tag cement. Drill build to 1460ft				
22:15		1458.00	Survey	83.74	197.35		
23:18		1481.00	Cannot rotate tool while drilling. Survey	86.83	193.21		
23:25			POOH. Reduce motor bend to 1.5				
03:15	05/02/2012	0.00	Rigged up ready to RIH				
05:21		1480.00	Re-survey on bottom to confirm position	86.42	194.87		
05:22		1486.00	30ft straight. Set toolface to 100 deg and dril 40ft then rotate 35ft				





Drilling Log

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Vertical	12:46	31/01/2012
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Tag Cement	Vertical	11:45	
325.00	355.00	1.53	260.80	325.00	-0.07	-0.42	0.43	4.78	KD	Build/Rotate	16:46	
410.00	440.00	8.90	194.78	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
523.00	553.00	13.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
615.00	645.00	12.98	193.59	610.68	-44.11	-34.36	47.84	3.11		Rotate	19:52	
715.00	745.00	20.87	205.66	706.31	-71.22	-24.35	75.93	8.84		Build/Rotate	21:07	
815.00	845.00	36.64	202.98	793.71	-115.22	+65.35	123.83	15.86		Build/Rotate	22:24	
915.00	945.00	46.94	204.87	868.17	-176.21	-71.96	190.34	10.48		Build/Rotate	23:44	
1015.00	1045.00	53.62	204.87	932.04	-245.95	-104.29	267.15	6.68		Build/Rotate	02:27	01/02/2012
1115.00	1145.00	62.65	210.21	984.66	-321.13	-143.71	351.82	10.28		Build/Rotate	04:03	
1216.00	1246.00	72.71	209.86	1022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	
1310.00	1340.00	74.07	199.39	1049.73	-484.50	-226.45	534.81	9.76		0.90	0.00	04/02/2012
1430.00	1460.00	83.74	197.34	1072.80	-596.33	-263.47	651.76	8.23		Build	22:15	
1451.00	1481.00	86.83	193.21	1074.53	-616.32	-268.98	672.46	24.51		Build	23:18	

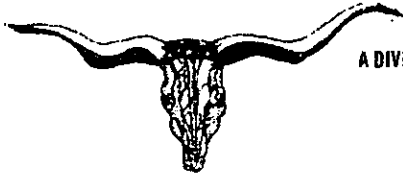


Drilling Log

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
0.00	0 00	0 00	0 00	0 00	0.00	0.00	0 00	0.00		Vertical	12:46	11/01/2012
291.00	323 00	0 00	0 00	291.00	0 00	0.00	0 00	0.00	Tag Cement	Vertical	13:45	
325.00	355 00	1.53	260.80	325.00	-0.07	-0.42	0 43	4.73	KO	Build/Rotate	16:46	
410.00	440 00	8.90	196.75	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
523.00	553 00	11.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
615.00	645 00	12.99	191.59	610.68	-44.11	-16.36	47.04	3.11		Rotate	19:52	
715.00	745 00	20.87	205.46	704.31	-71.22	-26.35	75.93	9.86		Build/Rotate	21:07	
815.00	845 00	36.64	201.98	793.71	-119.22	-45.35	123.83	15.86		Build/Rotate	22:24	
915 00	945 00	46.94	204.87	866.17	-176.21	-71.96	190.34	10.48		Build/Rotate	23:44	
1015.00	1045 00	53.62	204.87	932.04	-245.95	-104.29	267.18	6.68		Build/Rotate	02:27	01/02/2012
1125.00	1145.00	62.85	210.21	984.66	-321.13	-143.71	351.82	10.23		Build/Rotate	04:03	
1216.00	1246 00	72.71	208.86	1022.81	-402.39	-189.71	444.87	9.84		Build/Rotate	05:41	
1318 00	1340 00	74.07	199.39	1049.73	-484.50	-226.45	534.81	9.76		0.00	0 00	04/02/2012
1430.00	1460 00	83.74	197.34	1072.80	-596.13	-263.47	651.76	8.23		build	22:15	
1491.00	1481 00	86.83	193.21	1074.53	-614.12	-268.98	672.46	24.53		build	23:18	
1593.00	1583.00	86.47	199.43	1080.49	-713.99	-297.58	773.52	6.10		build	06:56	05/02/2012
1684.00	1714.00	84.70	209.45	1090.60	-833.14	-350.72	903.95	7.15		build	09:06	
1784.00	1814.00	90.40	203.65	1094.87	-920.78	-398.60	1003.36	5.70		build	10:54	
1894.00	1914.00	68.20	208.65	1096.09	-1008.53	-446.54	1102.96	2.28		Straight	01:55	06/02/2012

Drilling Log

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Vertical	12:46	31/01/2012
293.00	323.00	0.00	0.00	293.00	0.00	0.00	0.00	0.00	Tag Cement	Vertical	13:45	
325.00	355.00	1.53	260.80	325.00	-0.07	-0.42	0.43	4.78	KO	Build/Rotate	16:46	
410.00	440.00	8.98	196.75	409.62	-6.56	-3.44	7.41	9.82		Build/Rotate	17:34	
523.00	553.00	11.70	203.59	520.79	-25.43	-10.55	27.53	2.70		Rotate	18:45	
615.00	645.00	12.98	191.59	610.68	-44.12	-16.36	47.04	3.11		Rotate	19:52	
715.00	745.00	20.87	205.46	706.32	-71.22	-26.35	75.93	8.84		Build/Rotate	21:07	
815.00	845.00	34.44	201.98	793.71	-115.22	-45.35	123.83	15.86		Build/Rotate	22:24	
915.00	945.00	46.94	204.87	868.37	-176.21	-71.96	198.34	10.48		Build/Rotate	23:44	
1015.00	1045.00	53.42	204.87	932.04	-245.95	-104.29	267.15	6.68		Build/Rotate	02:27	01/02/2012
1115.00	1145.00	62.85	210.21	984.66	-321.13	-143.71	351.82	10.23		Build/Rotate	04:03	
1216.00	1246.00	72.71	208.86	1022.83	-402.39	-189.73	444.87	9.84		Build/Rotate	05:41	
1320.00	1340.00	74.07	199.38	1049.73	-484.50	-226.45	534.81	9.74		0.00	0.00	04/02/2012
1430.00	1460.00	83.74	187.34	1072.80	-596.13	-263.47	651.76	8.23		Build	22:16	
1451.00	1481.00	86.83	183.21	1078.53	-616.32	-268.98	672.46	24.51		Build	23:18	
1553.00	1583.00	86.47	189.43	1088.49	-713.99	-287.58	773.52	6.10		Build	06:56	05/02/2012
1684.00	1714.00	84.70	200.65	1090.60	-833.14	-350.72	903.95	7.15		Build	09:06	
1784.00	1814.00	80.48	208.45	1094.87	-920.78	-398.60	1003.36	5.70		Build	10:54	
1884.00	1914.00	88.20	208.65	1096.09	-1008.53	-446.54	1102.96	2.20		Straight	01:55	06/02/2012



A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

LONGHORN CEMENTING CO.

P.O. BOX 203 YUMA, COLORADO 80758
 Phone: 970-848-0799 Fax: 970-848-0798

**FIELD SERVICE TICKET
 AND INVOICE**

DATE 2/1/12 TICKET NO. 2585

DATE OF JOB	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	PI <input type="checkbox"/>	WOW <input type="checkbox"/>	CUSTOMER ORDER NO.
CUSTOMER <u>ROSEK 0012</u>		LEASE <u>FOLS. T-1 HR: 6 43-16H</u>	WELL NO.				
ADDRESS		COUNTY	STATE				
CITY	STATE	SERVICE CREW <u>UAN</u>					
AUTHORIZED BY	EQUIPMENT <u>112</u>						
TYPE JOB <u>SALE/REPAIR</u>	DEPTH FT.	CEMENT DATA: BAGS	BRAND	TYPE	% GEL	SAND DATA: BAGS	ADDMES
SIZE HOLE <u>4.5</u>	DEPTH FT. <u>41</u>	<u>41</u>	<u>A</u>	<u>7.8</u>			
SIZE & WT. CASTING	DEPTH FT.	TRUCK CALLED					
SIZE & WT. D PIPE OR TUBING	DEPTH FT.	ARRIVED AT JOB					
TOP PLUGS	TYPE: <u>ENCH</u>	START OPERATION					
<u>PRTD 1348</u>	WEIGHT OF BULKY: <u>10.4</u> LBS./GAL.	FINISH OPERATION					
	VOLUME OF BULKY: <u>41</u> SACKS CEMENT TREATED WITH <u>7.8</u> % OF <u>CEL</u>	RELEASED					
	MAX DEPTH <u>1347</u> FT.	MILES FROM STATION TO WELL					
		MAX PRESSURE <u>1500</u> PSI					

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 or 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
001-2	DEPTH CHARGE		1		1500.00
100-1	MILEAGE		190	10.95	1983.00
200-1	CEMENT		92	17.50	1610.00
	74 FRONT STOP				
	74 PLUG + BATTERY				
300-11	7" CONTRA 112-21		7	36.44	255.08
	10 BAGS WATER				
	20 BAGS CEMENT @ 14.8 PPG				
	56 BAGS DISP 427-417				
	BUMP TOP PLUG 500 OVER DIE F PROCESSOR				

ACID DATA:		
GALLONS	%	ADDITIVES
HCL		
HCL		

SUB TOTAL		
SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		5314.08

SERVICE REPRESENTATIVE <u>Traylor</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Traylor</u>
FIELD SERVICE ORDER NO.	(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)