



End of Well Report

Prepared for



Valley Farms I11

November 22, 2011

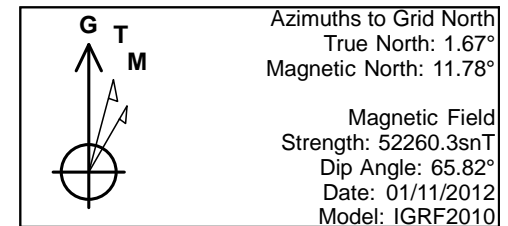
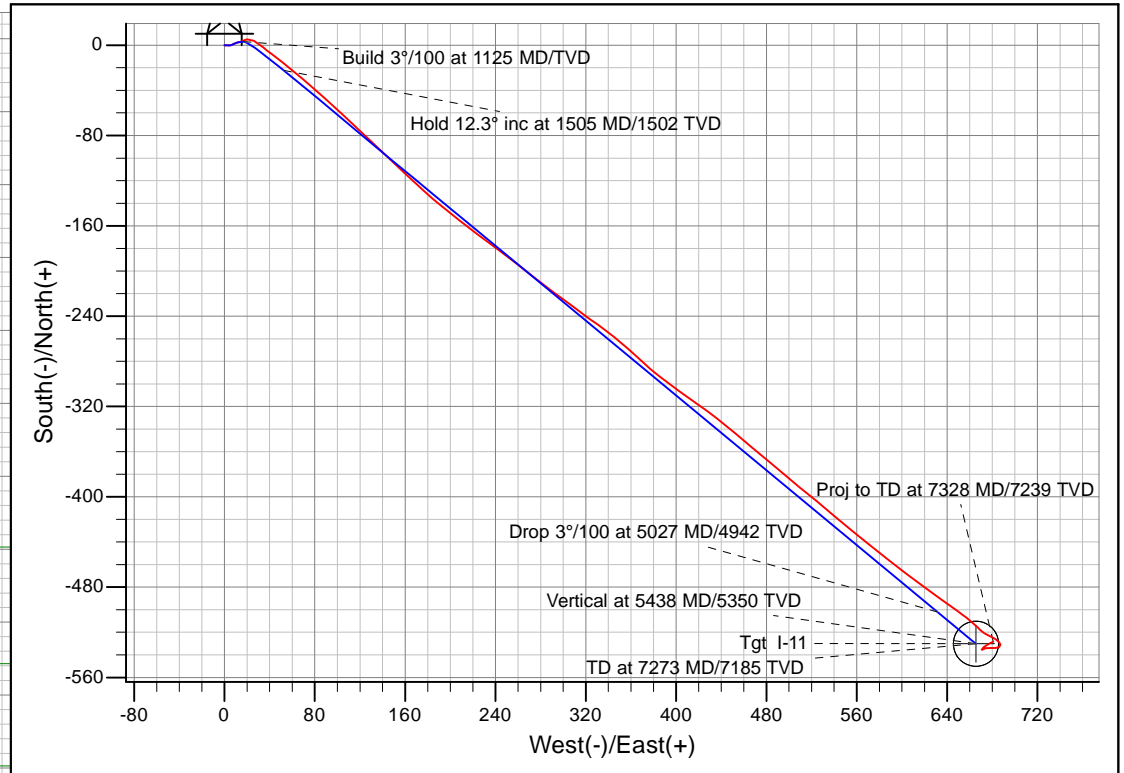
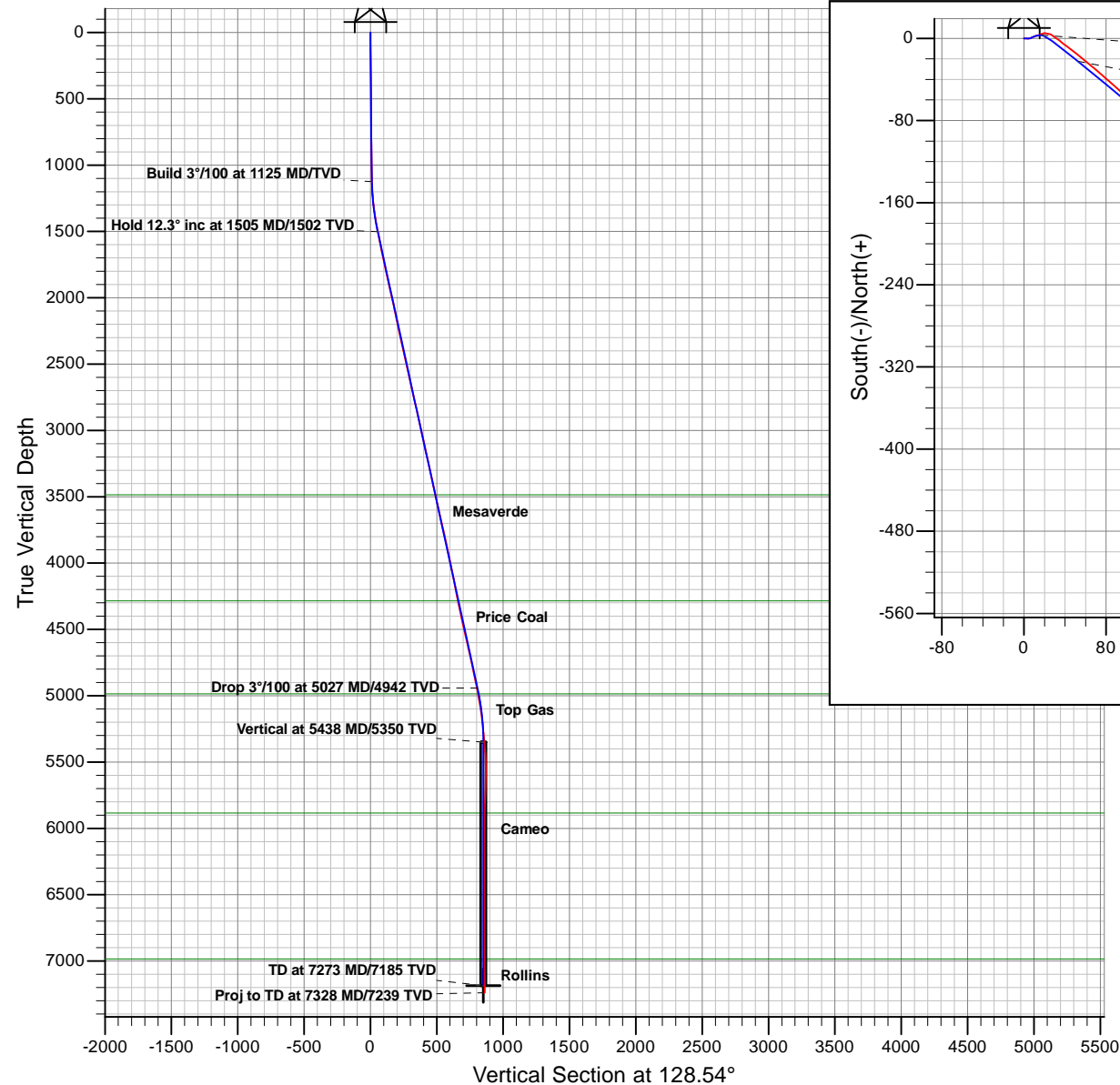
ARK Directional Services Inc
191 University Blvd, # 601
Denver, CO 80206



Antero Resources

Valley Farms I

Antero Valley Farms I11 (111113)
Planned Vs.
Actual



PROJECT DETAILS: Valley Farms	
Geodetic System:	Universal Transverse Mercator
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	Zone 13N (108 W to 102 W)
System Datum:	Mean Sea Level

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Antero Valley Farms I11 (111113) - Slot I-11, Grid North
Vertical (TVD) Reference:	RKB @ 5674.00ft (RKB)
Section (VS) Reference:	Slot - I-11(0.00N, 0.00E)
Measured Depth Reference:	RKB @ 5674.00ft (RKB)
Calculation Method:	Minimum Curvature

Plan: Valley Farms I11 P04
Created By: ARK Directional Services Inc.
Date: 8:23, November 21 2011

Antero Resources

Valley Farms

Valley Farms I

Antero Valley Farms I11 (111113) - Slot I-11

Valley Farms I11

Survey: Valley Farms I11

Survey Report - Geographic

22 November, 2011

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Antero Valley Farms I11 (111113) - Slot I-11
Project:	Valley Farms	TVD Reference:	RKB @ 5674.00ft (RKB)
Site:	Valley Farms I	MD Reference:	RKB @ 5674.00ft (RKB)
Well:	Antero Valley Farms I11 (111113)	North Reference:	Grid
Wellbore:	Valley Farms I11	Survey Calculation Method:	Minimum Curvature
Design:	Valley Farms I11	Database:	EDM5000

Project	Valley Farms		
Map System:	Universal Transverse Mercator	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	Valley Farms I				
Site Position:		Northing:	14,365,113.22 usft	Latitude:	39.526635439°N
From:	Lat/Long	Easting:	901,976.81 usft	Longitude:	107.618637050°W
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.67 °

Well	Antero Valley Farms I11 (111113) - Slot I-11					
Well Position	+N/-S	0.00 ft	Northing:	14,365,139.32 usft	Latitude:	39.526710400°N
	+E/-W	0.00 ft	Easting:	902,018.57 usft	Longitude:	107.618491803°W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,650.00 ft

Wellbore	Valley Farms I11				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/11/12	10.11	65.82	52,260

Design	Valley Farms I11				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	128.54	

Survey Program	Date	11/21/11			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	960.00	Valley Farms I11 (Valley Farms I11)	NS-GYRO-MS	North sensing gyrocompassing m/s	
1,092.00	7,328.00	Valley Farms I11 (Valley Farms I11)	MWD	MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
960.00	1.37	84.04	959.89	2.71	12.67	14,365,142.04	902,031.24	39.526718852°N	107.618447208°W	
1,092.00	2.68	64.69	1,091.81	4.20	17.03	14,365,143.52	902,035.60	39.526723270°N	107.618431917°W	
1,154.00	3.12	77.26	1,153.73	5.19	19.98	14,365,144.51	902,038.56	39.526726227°N	107.618421547°W	
1,248.00	4.92	118.48	1,247.51	3.83	26.02	14,365,143.15	902,044.60	39.526722982°N	107.618400009°W	
1,343.00	7.69	129.38	1,341.93	-2.15	34.52	14,365,137.17	902,053.09	39.526707263°N	107.618369295°W	
1,437.00	10.11	127.09	1,434.79	-11.12	45.96	14,365,128.21	902,064.54	39.526683575°N	107.618327827°W	
1,532.00	11.51	129.86	1,528.11	-22.22	59.89	14,365,117.10	902,078.46	39.526654224°N	107.618277341°W	
1,626.00	11.21	129.47	1,620.27	-34.04	74.14	14,365,105.29	902,092.72	39.526622936°N	107.618225631°W	
1,721.00	11.82	132.76	1,713.35	-46.51	88.41	14,365,092.81	902,106.99	39.526589847°N	107.618173782°W	
1,815.00	12.79	132.59	1,805.19	-60.09	103.14	14,365,079.23	902,121.72	39.526553771°N	107.618120201°W	
1,909.00	12.79	133.86	1,896.86	-74.34	118.31	14,365,064.98	902,136.88	39.526515884°N	107.618065017°W	

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Antero Valley Farms I11 (111113) - Slot I-11
Project:	Valley Farms	TVD Reference:	RKB @ 5674.00ft (RKB)
Site:	Valley Farms I	MD Reference:	RKB @ 5674.00ft (RKB)
Well:	Antero Valley Farms I11 (111113)	North Reference:	Grid
Wellbore:	Valley Farms I11	Survey Calculation Method:	Minimum Curvature
Design:	Valley Farms I11	Database:	EDM5000

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,004.00	12.61	133.46	1,989.54	-88.76	133.41	14,365,050.56	902,151.99	39.526477531°N	107.618010003°W
2,098.00	12.22	133.20	2,081.34	-102.63	148.11	14,365,036.69	902,166.69	39.526440657°N	107.617956497°W
2,193.00	11.69	132.37	2,174.28	-116.00	162.55	14,365,023.32	902,181.13	39.526405133°N	107.617903963°W
2,287.00	12.00	132.98	2,266.28	-129.08	176.74	14,365,010.25	902,195.31	39.526370381°N	107.617852363°W
2,382.00	12.70	128.98	2,359.08	-142.38	192.08	14,364,996.94	902,210.66	39.526335111°N	107.617796635°W
2,476.00	12.30	128.50	2,450.85	-155.11	207.95	14,364,984.21	902,226.52	39.526301445°N	107.617739106°W
2,570.00	12.70	126.48	2,542.62	-167.49	224.09	14,364,971.83	902,242.67	39.526268779°N	107.617680637°W
2,665.00	12.79	126.57	2,635.28	-179.96	240.94	14,364,959.36	902,259.51	39.526235901°N	107.617619686°W
2,759.00	12.70	127.88	2,726.97	-192.51	257.45	14,364,946.82	902,276.02	39.526202805°N	107.617559896°W
2,854.00	12.61	128.06	2,819.66	-205.31	273.86	14,364,934.01	902,292.43	39.526168984°N	107.617500450°W
2,948.00	12.39	126.96	2,911.43	-217.70	289.99	14,364,921.62	902,308.57	39.526136283°N	107.617442005°W
3,043.00	12.61	125.96	3,004.18	-229.92	306.53	14,364,909.41	902,325.10	39.526104084°N	107.617382158°W
3,137.00	12.79	127.66	3,095.88	-242.30	323.07	14,364,897.02	902,341.65	39.526071433°N	107.617322278°W
3,232.00	12.61	125.16	3,188.56	-254.70	339.88	14,364,884.63	902,358.45	39.526038764°N	107.617261475°W
3,326.00	12.39	132.28	3,280.33	-267.39	355.73	14,364,871.93	902,374.30	39.526005202°N	107.617204012°W
3,421.00	11.82	132.59	3,373.22	-280.83	370.43	14,364,858.49	902,389.00	39.525969499°N	107.617150536°W
3,515.00	12.39	127.80	3,465.13	-293.53	385.49	14,364,845.79	902,404.06	39.525935867°N	107.617095886°W
3,609.00	12.92	125.86	3,556.85	-305.87	401.97	14,364,833.46	902,420.54	39.525903335°N	107.617036213°W
3,704.00	12.30	124.76	3,649.56	-317.86	418.89	14,364,821.47	902,437.47	39.525871788°N	107.616975033°W
3,799.00	13.18	127.97	3,742.22	-330.29	435.75	14,364,809.03	902,454.32	39.525839022°N	107.616914051°W
3,893.00	12.48	130.30	3,833.87	-343.45	451.94	14,364,795.87	902,470.51	39.525804202°N	107.616855323°W
3,987.00	12.00	129.99	3,925.73	-356.30	467.17	14,364,783.02	902,485.75	39.525770165°N	107.616800033°W
4,082.00	11.29	129.20	4,018.78	-368.53	481.95	14,364,770.80	902,500.52	39.525737806°N	107.616746438°W
4,176.00	11.29	131.57	4,110.96	-380.45	495.96	14,364,758.88	902,514.53	39.525706219°N	107.616695560°W
4,270.00	10.90	127.88	4,203.20	-392.01	509.86	14,364,747.31	902,528.43	39.525675605°N	107.616645129°W
4,364.00	11.38	129.99	4,295.43	-403.43	523.98	14,364,735.90	902,542.55	39.525645409°N	107.616593930°W
4,459.00	12.39	130.30	4,388.40	-416.04	538.93	14,364,723.28	902,557.51	39.525611991°N	107.616539653°W
4,553.00	13.01	129.38	4,480.09	-429.28	554.80	14,364,710.05	902,573.38	39.525576944°N	107.616482068°W
4,648.00	12.22	128.37	4,572.80	-442.30	570.95	14,364,697.02	902,589.52	39.525542496°N	107.616423518°W
4,742.00	13.10	128.76	4,664.51	-455.15	587.06	14,364,684.18	902,605.63	39.525508541°N	107.616365135°W
4,837.00	12.22	126.70	4,757.20	-467.90	603.52	14,364,671.43	902,622.09	39.525474877°N	107.616305522°W
4,931.00	12.00	126.48	4,849.11	-479.65	619.35	14,364,659.67	902,637.92	39.525443889°N	107.616248218°W
5,026.00	10.99	125.69	4,942.21	-490.81	634.64	14,364,648.52	902,653.22	39.525414506°N	107.616192882°W
5,120.00	10.11	125.16	5,034.62	-500.79	648.67	14,364,638.54	902,667.24	39.525388249°N	107.616142177°W
5,215.00	8.22	129.77	5,128.40	-509.93	660.70	14,364,629.39	902,679.28	39.525364114°N	107.616098589°W
5,309.00	5.80	135.97	5,221.69	-517.65	669.17	14,364,621.68	902,687.74	39.525343623°N	107.616067797°W
5,404.00	6.02	112.46	5,316.20	-523.00	677.11	14,364,616.32	902,695.69	39.525329565°N	107.616039113°W
5,498.00	4.09	130.87	5,409.84	-527.08	684.20	14,364,612.24	902,702.78	39.525318944°N	107.616013571°W
5,593.00	2.11	166.47	5,504.70	-531.00	687.18	14,364,608.33	902,705.75	39.525308433°N	107.616002640°W
5,687.00	1.80	249.57	5,598.66	-533.20	686.20	14,364,606.13	902,704.77	39.525302324°N	107.616005881°W
5,780.00	2.59	265.78	5,691.59	-533.86	682.73	14,364,605.46	902,701.31	39.525300224°N	107.616018085°W
5,877.00	2.50	272.77	5,788.50	-533.92	678.43	14,364,605.40	902,697.01	39.525299719°N	107.616033308°W
5,971.00	1.80	264.07	5,882.43	-533.97	674.92	14,364,605.35	902,693.49	39.525299292°N	107.616045759°W
6,066.00	1.01	247.90	5,977.40	-534.44	672.66	14,364,604.88	902,691.23	39.525297825°N	107.616053717°W
6,160.00	0.79	248.16	6,071.39	-535.00	671.29	14,364,604.33	902,689.86	39.525296199°N	107.616058510°W
6,254.00	0.09	209.89	6,165.39	-535.30	670.65	14,364,604.02	902,689.22	39.525295311°N	107.616060740°W
6,349.00	0.22	72.47	6,260.39	-535.31	670.79	14,364,604.01	902,689.36	39.525295295°N	107.616060255°W
6,443.00	0.88	69.48	6,354.38	-535.00	671.64	14,364,604.32	902,690.21	39.525296206°N	107.616057282°W
6,538.00	0.22	155.48	6,449.38	-534.91	672.39	14,364,604.41	902,690.97	39.525296513°N	107.616054602°W
6,633.00	0.48	292.20	6,544.38	-534.93	672.10	14,364,604.40	902,690.67	39.525296447°N	107.616055638°W
6,727.00	0.62	358.07	6,638.37	-534.27	671.72	14,364,605.05	902,690.29	39.525298219°N	107.616057058°W
6,822.00	0.88	52.69	6,733.37	-533.32	672.28	14,364,606.01	902,690.86	39.525300887°N	107.616055162°W
6,916.00	0.48	50.50	6,827.36	-532.63	673.16	14,364,606.70	902,691.73	39.525302844°N	107.616052122°W
7,011.00	1.71	61.09	6,922.34	-531.69	674.71	14,364,607.64	902,693.28	39.525305542°N	107.616046735°W
7,105.00	1.10	57.18	7,016.31	-530.52	676.70	14,364,608.80	902,695.27	39.525308903°N	107.616039820°W

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Antero Valley Farms I11 (111113) - Slot I-11
Project:	Valley Farms	TVD Reference:	RKB @ 5674.00ft (RKB)
Site:	Valley Farms I	MD Reference:	RKB @ 5674.00ft (RKB)
Well:	Antero Valley Farms I11 (111113)	North Reference:	Grid
Wellbore:	Valley Farms I11	Survey Calculation Method:	Minimum Curvature
Design:	Valley Farms I11	Database:	EDM5000

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,200.00	1.32	59.59	7,111.29	-529.47	678.41	14,364,609.85	902,696.98	39.525311915°N	107.616033870°W
7,273.43	1.20	70.58	7,184.70	-528.79	679.86	14,364,610.53	902,698.43	39.525313907°N	107.616028786°W
Tgt I-11									
7,282.00	1.19	71.99	7,193.27	-528.73	680.03	14,364,610.59	902,698.60	39.525314078°N	107.616028192°W
7,328.00	1.19	71.99	7,239.26	-528.44	680.94	14,364,610.89	902,699.51	39.525314961°N	107.616025004°W
Proj to TD at 7328 MD/7239 TVD									

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
7,328.00	7,239.26	-528.44	680.94	Proj to TD at 7328 MD/7239 TVD	

Checked By: _____	Approved By: _____	Date: _____
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