



End of Well Report

Prepared for



McLin C24

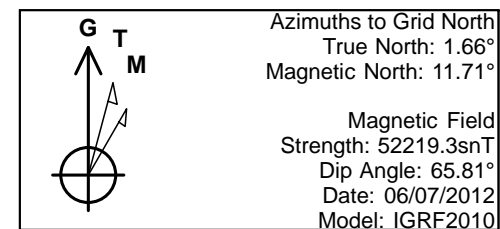
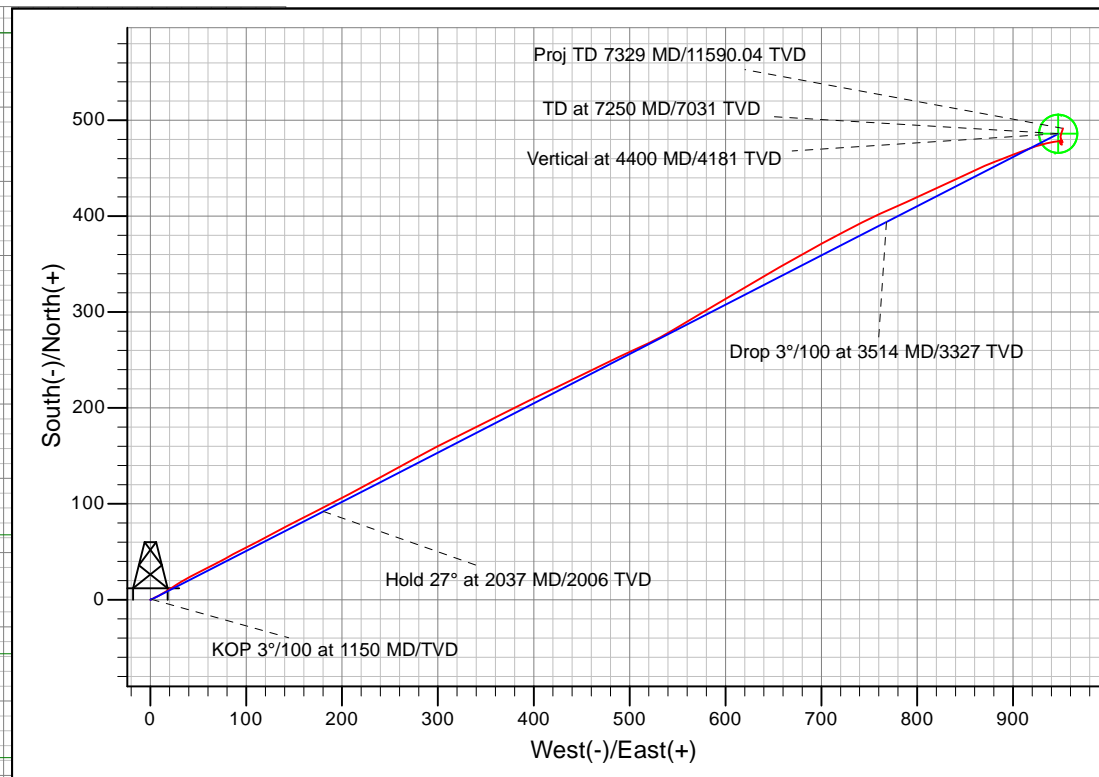
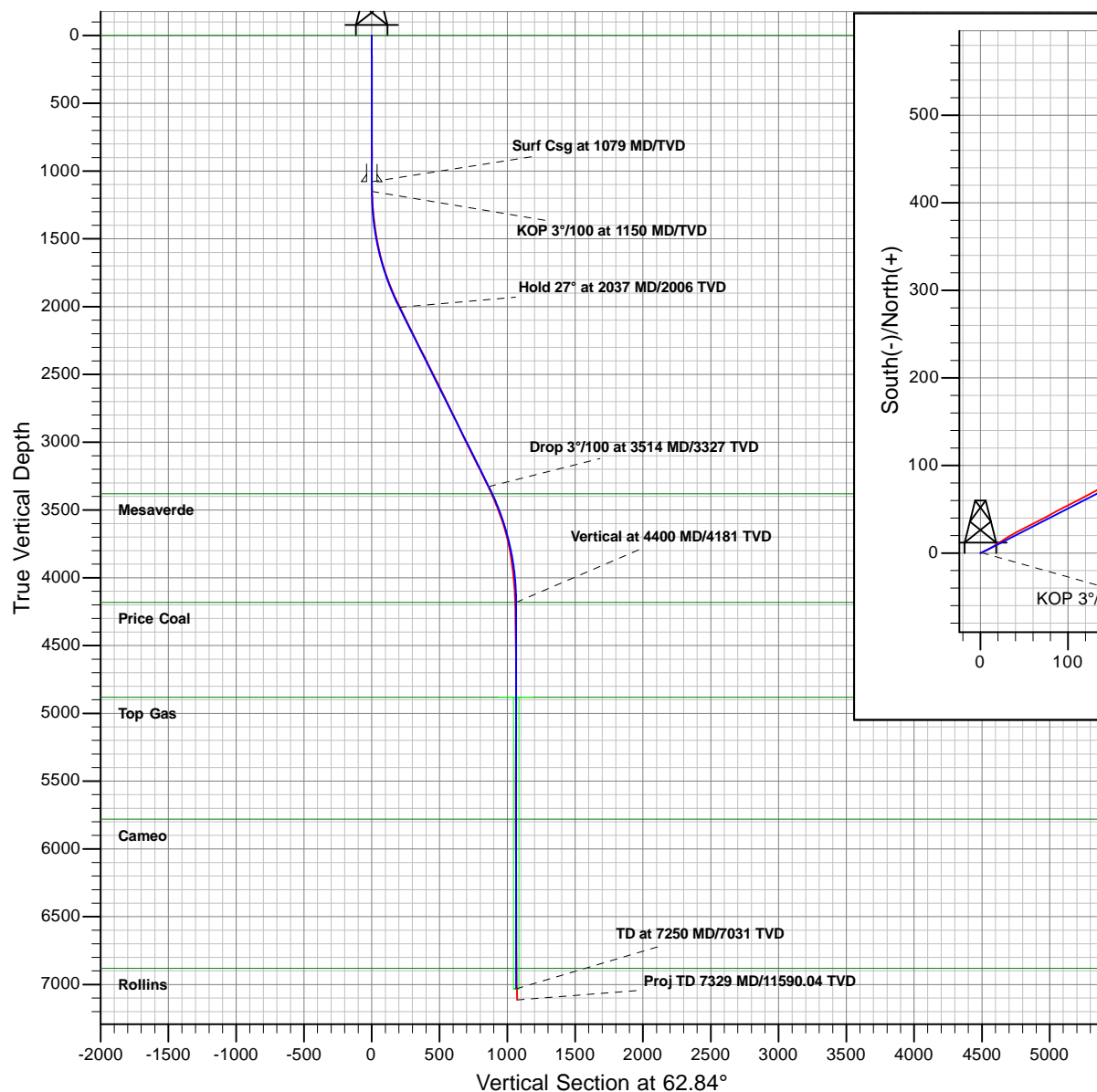
May, 30th 2012

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



Antero Resources

McLin C
McLin C24 (111245)
Planned Vs. Actual



PROJECT DETAILS: McLin

Geodetic System: Universal Transverse Mercator
Datum: NAD83 Colorado - HARN
Ellipsoid: GRS 1980
Zone: Zone 13N (108 W to 102 W)
System Datum: Mean Sea Level

Plan: P03
Created By: ARK Directional Services Inc.
Date: 8:28, May 29 2012

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well McLin C24 (111245), Grid North
Vertical (TVD) Reference: KB @ 5750.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: KB @ 5750.00ft (Original Well Elev)
Calculation Method: Minimum Curvature



Antero Resources

McLin

McLin C

McLin C24 (111245)

McLin C24

Survey: Mclin C24

Survey Report - Geographic

30 May, 2012



Company:	Antero Resources	Local Co-ordinate Reference:	Well McLin C24 (111245)
Project:	McLin	TVD Reference:	KB @ 5750.00ft (Original Well Elev)
Site:	McLin C	MD Reference:	KB @ 5750.00ft (Original Well Elev)
Well:	McLin C24 (111245)	North Reference:	Grid
Wellbore:	McLin C24	Survey Calculation Method:	Minimum Curvature
Design:	McLin C24	Database:	EDM5000

Project	McLin		
Map System:	Universal Transverse Mercator	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Colorado - HARN		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	McLin C				
Site Position:		Northing:	14,364,522.75 usft	Latitude:	39.525275157°N
From:	Map	Easting:	905,235.88 usft	Longitude:	107.607030464°W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.66 °

Well							McLin C24 (111245)						
Well Position		+N/-S	0.00 ft	Northing:		14,364,511.51 usft	Latitude:		39.525243885°N				
		+E/-W	0.00 ft	Easting:		905,230.39 usft	Longitude:		107.607048763°W				
Position Uncertainty			0.00 ft	Wellhead Elevation:		ft	Ground Level:		5,726.00 ft				

Wellbore	McLin C24				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/07/12	10.05	65.81	52,219

Design	McLin C24				
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	62.84	

Survey Program		Date	05/29/12		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	950.00	C24 gyro (McLin C24)	MWD	MWD - Standard	
1,000.00	7,329.00	Mclin C24 (McLin C24)	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
984.25	0.08	197.37	984.25	0.55	1.18	14,364,512.06	905,231.57	39.525245476°N	107.607044639°W
1,082.68	0.08	126.65	1,082.67	0.43	1.20	14,364,511.95	905,231.59	39.525245171°N	107.607044541°W
1,181.10	1.93	61.88	1,181.09	1.12	2.42	14,364,512.63	905,232.81	39.525247141°N	107.607040309°W
1,279.53	4.69	63.12	1,279.33	3.57	7.59	14,364,515.08	905,237.98	39.525254279°N	107.607022248°W
1,377.95	7.16	57.93	1,377.22	8.71	16.46	14,364,520.22	905,246.85	39.525269085°N	107.606991360°W
1,476.38	9.45	58.31	1,474.61	16.38	28.35	14,364,527.89	905,258.74	39.525291069°N	107.606950018°W
1,574.80	12.18	62.28	1,571.30	25.44	44.32	14,364,536.95	905,274.71	39.525317195°N	107.606894369°W
1,673.23	15.60	62.62	1,666.87	36.02	65.26	14,364,547.53	905,295.65	39.525347892°N	107.606821270°W
1,771.65	18.94	62.28	1,760.78	49.85	91.23	14,364,561.36	905,321.62	39.525387901°N	107.606730678°W
1,870.08	21.98	62.19	1,853.02	65.66	121.69	14,364,577.18	905,352.08	39.525433707°N	107.606624389°W
1,968.50	24.97	62.93	1,943.25	83.99	156.43	14,364,595.50	905,386.82	39.525486745°N	107.606503195°W

Company:	Antero Resources	Local Co-ordinate Reference:	Well McLin C24 (111245)
Project:	McLin	TVD Reference:	KB @ 5750.00ft (Original Well Elev)
Site:	McLin C	MD Reference:	KB @ 5750.00ft (Original Well Elev)
Well:	McLin C24 (111245)	North Reference:	Grid
Wellbore:	McLin C24	Survey Calculation Method:	Minimum Curvature
Design:	McLin C24	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
2,066.93	25.87	62.44	2,031.88	103.34	194.61	14,364,614.85	905,425.00	39.525542878°N	107.606369929°W
2,165.35	26.01	61.59	2,120.43	123.61	232.49	14,364,635.13	905,462.88	39.525601510°N	107.606237816°W
2,263.78	26.56	61.50	2,208.71	144.38	270.75	14,364,655.89	905,501.14	39.525661515°N	107.606104398°W
2,362.20	26.72	63.32	2,296.64	165.01	309.86	14,364,676.52	905,540.25	39.525721228°N	107.605967962°W
2,460.63	26.86	62.93	2,384.51	184.85	349.51	14,364,696.36	905,579.90	39.525778807°N	107.605829526°W
2,559.06	26.74	63.90	2,472.35	204.85	389.17	14,364,716.37	905,619.56	39.525836847°N	107.605691092°W
2,657.48	26.24	64.73	2,560.42	223.87	428.78	14,364,735.39	905,659.17	39.525892173°N	107.605552721°W
2,755.91	26.19	62.93	2,648.74	242.95	467.80	14,364,754.46	905,698.19	39.525947609°N	107.605416422°W
2,854.33	26.10	66.36	2,737.10	261.62	506.94	14,364,773.13	905,737.32	39.526001935°N	107.605279704°W
2,952.76	26.00	59.87	2,825.53	281.13	545.45	14,364,792.64	905,775.84	39.526058521°N	107.605145247°W
3,051.18	25.41	58.20	2,914.24	303.15	581.97	14,364,814.67	905,812.36	39.526121862°N	107.605018146°W
3,149.61	25.60	60.22	3,003.11	324.71	618.37	14,364,836.22	905,848.76	39.526183890°N	107.604891406°W
3,248.03	26.54	59.84	3,091.48	346.48	655.83	14,364,857.99	905,886.22	39.526246596°N	107.604760923°W
3,346.46	26.73	61.63	3,179.42	367.98	694.46	14,364,879.49	905,924.85	39.526308645°N	107.604626263°W
3,444.88	26.18	62.54	3,267.50	388.78	733.15	14,364,900.29	905,963.54	39.526368789°N	107.604491333°W
3,543.31	24.83	65.64	3,356.22	407.18	771.57	14,364,918.69	906,001.96	39.526422316°N	107.604357107°W
3,641.73	22.34	65.66	3,446.42	423.30	807.50	14,364,934.81	906,037.88	39.526469396°N	107.604231485°W
3,740.16	19.82	64.74	3,538.25	438.21	839.60	14,364,949.72	906,069.99	39.526512858°N	107.604119273°W
3,838.58	16.84	66.39	3,631.60	451.39	867.85	14,364,962.91	906,098.23	39.526551274°N	107.604020569°W
3,937.01	13.09	69.09	3,726.65	460.74	891.53	14,364,972.25	906,121.92	39.526578785°N	107.603937623°W
4,035.43	9.63	68.80	3,823.18	467.75	909.36	14,364,979.26	906,139.75	39.526599448°N	107.603875165°W
4,133.86	7.28	73.07	3,920.55	472.55	922.84	14,364,984.06	906,153.23	39.526613681°N	107.603827896°W
4,232.28	5.55	75.13	4,018.37	475.33	933.39	14,364,986.85	906,163.77	39.526622156°N	107.603790832°W
4,330.71	3.21	77.68	4,116.48	477.34	940.91	14,364,988.85	906,171.29	39.526628256°N	107.603764397°W
4,429.13	1.32	84.50	4,214.83	477.86	944.47	14,364,989.38	906,174.86	39.526629978°N	107.603751823°W
4,527.56	0.88	85.84	4,313.24	477.98	946.10	14,364,989.49	906,176.49	39.526630418°N	107.603746059°W
4,625.98	1.27	74.77	4,411.65	478.26	947.82	14,364,989.77	906,178.21	39.526631330°N	107.603739983°W
4,724.41	0.32	85.25	4,510.06	478.71	949.44	14,364,990.22	906,179.83	39.526632695°N	107.603734300°W
4,822.83	0.59	104.90	4,608.48	478.54	949.93	14,364,990.06	906,180.31	39.526632274°N	107.603732564°W
4,921.26	0.48	327.82	4,706.91	478.67	950.41	14,364,990.18	906,180.80	39.526632653°N	107.603730868°W
5,019.69	0.30	259.38	4,805.33	479.08	949.82	14,364,990.59	906,180.21	39.526633745°N	107.603732981°W
5,095.35	0.21	98.66	4,880.99	479.02	949.76	14,364,990.54	906,180.15	39.526633581°N	107.603733182°W
C24 Tgt									
5,118.11	0.36	93.91	4,903.75	478.97	949.84	14,364,990.48	906,180.23	39.526633427°N	107.603732916°W
5,216.54	0.00	92.92	5,002.18	478.95	950.20	14,364,990.46	906,180.59	39.526633405°N	107.603731638°W
5,314.96	0.45	43.65	5,100.60	479.26	950.48	14,364,990.78	906,180.86	39.526634299°N	107.603730688°W
5,413.39	0.85	174.35	5,199.02	478.72	950.81	14,364,990.23	906,181.20	39.526632822°N	107.603729433°W
5,511.81	0.52	196.26	5,297.44	477.63	950.74	14,364,989.15	906,181.13	39.526629844°N	107.603729592°W
5,610.24	0.82	185.05	5,395.86	476.42	950.49	14,364,987.93	906,180.88	39.526626487°N	107.603730328°W
5,708.66	0.58	155.07	5,494.28	475.32	950.78	14,364,986.84	906,181.17	39.526623509°N	107.603729194°W
5,807.09	0.39	239.36	5,592.70	474.42	950.74	14,364,985.93	906,181.13	39.526621024°N	107.603729257°W
5,905.51	1.26	323.39	5,691.11	475.47	949.60	14,364,986.98	906,179.98	39.526623822°N	107.603733411°W
6,003.94	0.70	338.68	5,789.52	476.91	948.74	14,364,988.42	906,179.12	39.526627704°N	107.603736612°W
6,102.36	0.49	64.80	5,887.94	477.68	948.78	14,364,989.19	906,179.17	39.526629812°N	107.603736536°W
6,200.79	0.94	97.68	5,986.35	477.64	950.26	14,364,989.15	906,180.65	39.526629828°N	107.603731281°W
6,299.21	0.48	114.89	6,084.77	477.39	951.47	14,364,988.90	906,181.85	39.526629237°N	107.603726986°W
6,397.64	0.42	334.91	6,183.19	477.20	951.70	14,364,988.72	906,182.09	39.526628739°N	107.603726147°W
6,496.06	1.26	331.64	6,281.60	478.78	950.94	14,364,990.29	906,181.33	39.526632997°N	107.603728991°W
6,594.49	1.30	339.11	6,380.00	480.74	949.90	14,364,992.26	906,180.28	39.526638311°N	107.603732893°W
6,692.91	0.79	354.55	6,478.41	482.68	949.44	14,364,994.19	906,179.83	39.526643580°N	107.603734698°W
6,791.34	0.62	9.36	6,576.83	483.67	949.53	14,364,995.18	906,179.91	39.526646309°N	107.603734504°W
6,889.76	0.54	21.88	6,675.25	484.72	949.78	14,364,996.24	906,180.16	39.526649221°N	107.603733726°W
6,988.19	0.93	11.08	6,773.66	485.77	950.14	14,364,997.28	906,180.52	39.526652111°N	107.603732557°W
7,086.61	0.76	29.05	6,872.08	487.33	950.55	14,364,998.84	906,180.94	39.526656429°N	107.603731250°W
7,185.04	1.02	17.66	6,970.49	488.58	951.20	14,365,000.10	906,181.58	39.526659924°N	107.603729090°W



Company:	Antero Resources	Local Co-ordinate Reference:	Well McLin C24 (111245)
Project:	McLin	TVD Reference:	KB @ 5750.00ft (Original Well Elev)
Site:	McLin C	MD Reference:	KB @ 5750.00ft (Original Well Elev)
Well:	McLin C24 (111245)	North Reference:	Grid
Wellbore:	McLin C24	Survey Calculation Method:	Minimum Curvature
Design:	McLin C24	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
7,283.46	1.32	19.93	7,068.89	490.53	951.81	14,365,002.04	906,182.20	39.526665316°N	107.603727104°W

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,329.00	7,114.42	491.52	952.17	Proj TD 7329 MD/11590.04 TVD

Checked By: _____	Approved By: _____	Date: _____
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