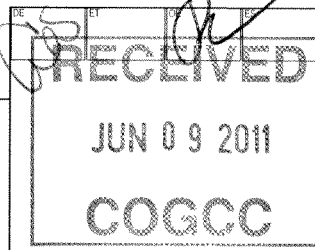




State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 10079 4. Contact Name Hannah Knopping
2. Name of Operator: Antero Resources Piceance Corporation
3. Address: 1625 17th Street City: Denver State: CO Zip: 80202
5. API Number 05-045-20750-00 OGCC Facility ID Number
6. Well/Facility Name: McPherson 7. Well/Facility Number A10
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NENW, Section 16, T6S, R92W, 6th P.M.
9. County: Garfield 10. Field Name: Mamm Creek
11. Federal, Indian or State Lease Number:
Survey Plat Directional Survey Surface Eqpmt Diagram Technical Info Page Other

Complete the Attachment Checklist OP OGCC

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)
Change of Surface Footage from Exterior Section Lines:
Change of Surface Footage to Exterior Section Lines:
Change of Bottomhole Footage from Exterior Section Lines:
Change of Bottomhole Footage to Exterior Section Lines:
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer SENW, Sec 16, T6S, R92W, 6th P.M.
GPS DATA: Date of Measurement 1/4/2011 PDOP Reading 2.5 Instrument Operator's Name Scott E. Aibner
CHANGE SPACING UNIT Formation Code Spacing order number Unit Acreage Unit configuration
Williams Fork-Iles WMFK/ILES 191-34 160 SW/4 NW/4
CHANGE OF OPERATOR (prior to drilling):
CHANGE WELL NAME NUMBER
ABANDONED LOCATION: Was location ever built? Is site ready for inspection?
NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned:
SPUD DATE: REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK Method used Cementing tool setting/perf depth Cement volume Cement top Cement bottom Date
RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Technical Engineering/Environmental Notice

Notice of Intent Approximate Start Date: 8/1/2011 Report of Work Done Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

Intent to Recomplete (submit form 2) Change Drilling Plans Gross Interval Changed? Casing/Cementing Program Change Request to Vent or Flare Repair Well Rule 502 variance requested Other: E&P Waste Disposal Beneficial Reuse of E&P Waste Status Update/Change of Remediation Plans for Spills and Releases

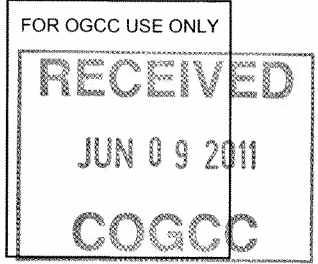
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Hannah Knopping Date: 6/7/2011 Email: hknopping@anteroresources.com
Print Name: Hannah Knopping Title: Permit Representative

COGCC Approved: [Signature] Title: EIT-3 Date: 8/2/2011

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: <u>10079</u>	API Number: <u>05-045-20750-00</u>
2. Name of Operator: <u>Antero Resources Piceance Corp</u>	OGCC Facility ID # _____
3. Well/Facility Name: <u>McPherson</u>	Well/Facility Number: <u>A10</u>
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NENW, Sec 16, T6S, R92W, 6th P.M.</u>	

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

To correspond with Antero's new total depth of 7770' (MD), 7562' (TVD), we would like to make the following revisions to our casing/cementing program for the McPherson A10:

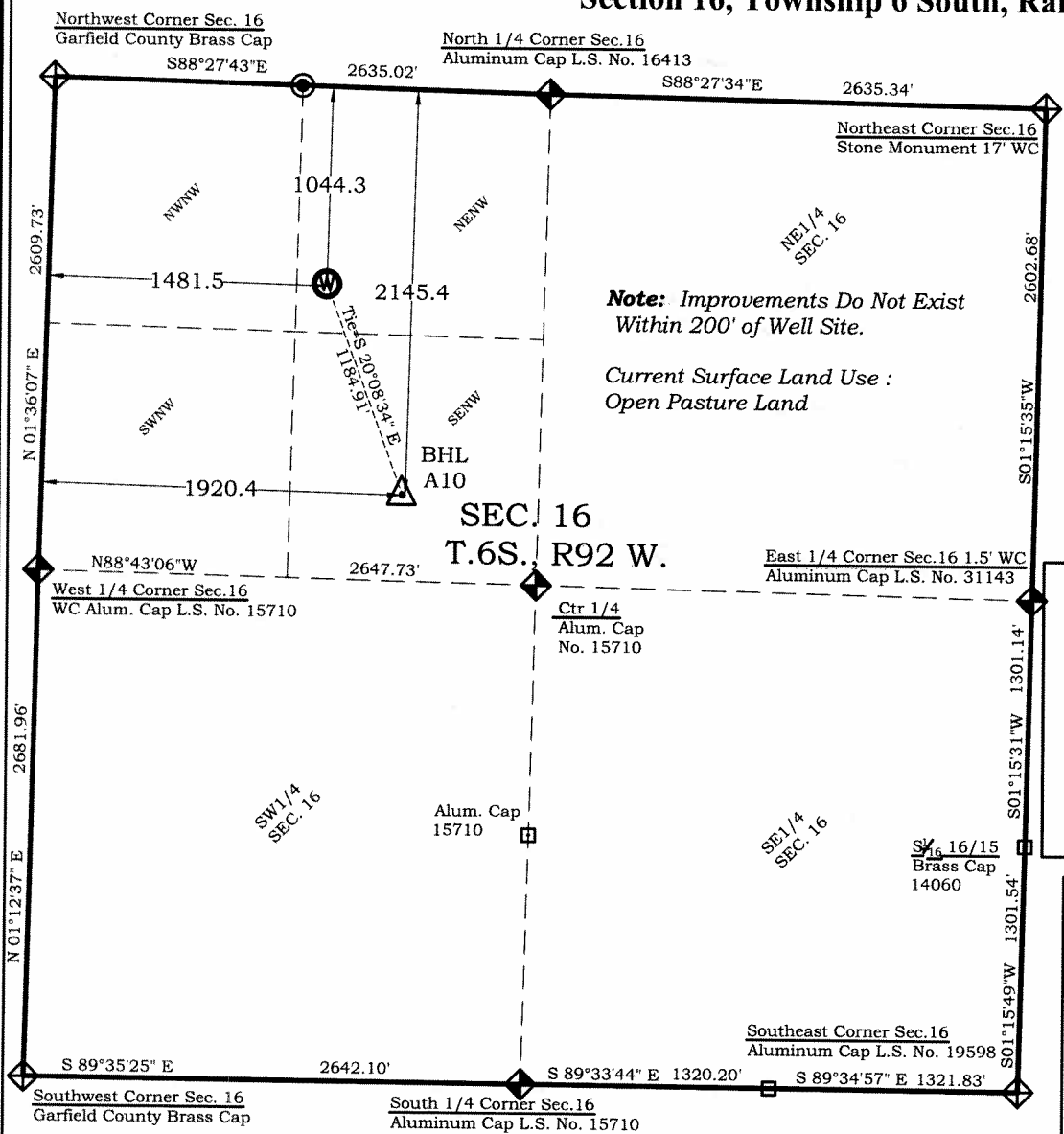
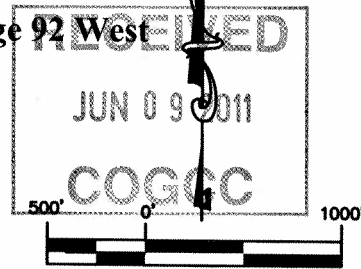
- Conductor: In a 24" hole, set 16" casing at 60' and cement from 60' to surface using approximately 177 sacks of cement.
- Surface: In a 12-1/4" hole, set 8-5/8" surface casing at 1,000' and cement from 1000' to surface using approximately 416 sacks of cement.
- Production: In a 7-7/8" hole, set 4-1/2" production casing at 7770' and cement from TD to >200' above Top of Gas using approximately 356 sacks of cement.

The new mineral lease information is as follows:

Section 16, T6S, R92W: SENW
40 ACRES

MCPHERSON A10 Well Location Plat

Section 16, Township 6 South, Range 92 West



Note: Improvements Do Not Exist Within 200' of Well Site.

Current Surface Land Use :
Open Pasture Land

Legend

- ◊ - Field Surveyed Section Corner
- ◈ - Field Surveyed Quarter Corner
- ⊙ - Calculated Section Corner Location
- ⊕ - Field Surveyed 1/6 Corner

Bottom: McPherson A10

2145' FNL
1920' FWL
NAD83
Lat: 39.528090541°N
Long: 107.674422925°W
NAD27
Lat: 39.528110001°N
Long: 107.673807400°W

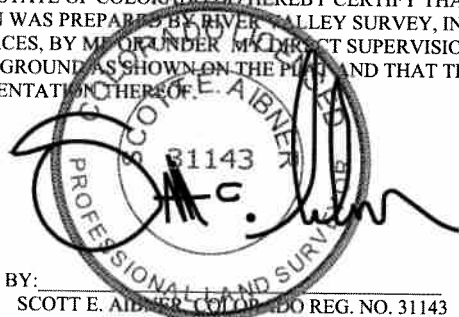
Surface: McPherson A10

1044' FNL
1482' FWL
Gnd El= 5448.3
Pad El= 5448.5
NAD83
Lat: 39.531109139°N
Long: 107.675985681°W
NAD27
Lat: 39.531128601°N
Long: 107.675370058°W
UTM 13 NORTH
NAD 1983
NORTHING
14367218.439
EASTING
885851.083

**Prepared For Antero Resources:
Proposed MCPHERSON A10 Well Situate in The
NW1/4 Section 16, Township 6 South, Range 92 West of
the 6th. Principal Meridian, County of Garfield, State of
Colorado.**

SURVEYOR'S CERTIFICATE

I, SCOTT E. AIBNER, A REGISTERED LAND SURVEYOR, LICENSED UNDER THE LAWS OF THE STATE OF COLORADO DO HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS PREPARED BY RIVER VALLEY SURVEY, INC., FOR ANTERO RESOURCES, BY ME OR UNDER MY DIRECT SUPERVISION AND HAS BEEN STAKED ON THE GROUND AS SHOWN ON THE PLAT AND THAT THIS PLAT IS A TRUE REPRESENTATION THEREOF.



BY: SCOTT E. AIBNER, COLORADO REG. NO. 31143

Notes:

1. LATITUDE AND LONGITUDE COORDINATES ARE DIFFERENTIALLY CORRECTED AND BASED ON PUBLISHED NGS CONTROL STATION "WDP-5". SYSTEM: UTM ZONE: 13 NORTH DATUM: NAD 1983 (CONUS)
2. ELEVATIONS ARE BASED ON NAVD OF 1983.
3. ALL BOTTOM AND TOP HOLE LOCATIONS ARE MEASURED 90 DEGREES FROM SECTION LINE.
4. USGS QUADRANGLE MAP "GIBSON GULCH".
5. CURRENT SURFACE LAND USE: OPEN RANGE LAND.
6. PDOP AT THE TIME OF LOCATION OF SURFACE WELL = 2.5



River Valley Survey, Inc.
110 East 3rd. Street, Suite 213
Rifle, Colorado 81650
Ph: 970-379-7846

Project: MCPHERSON A PAD

Field Date: 01-04-11

Date: 05-12-11

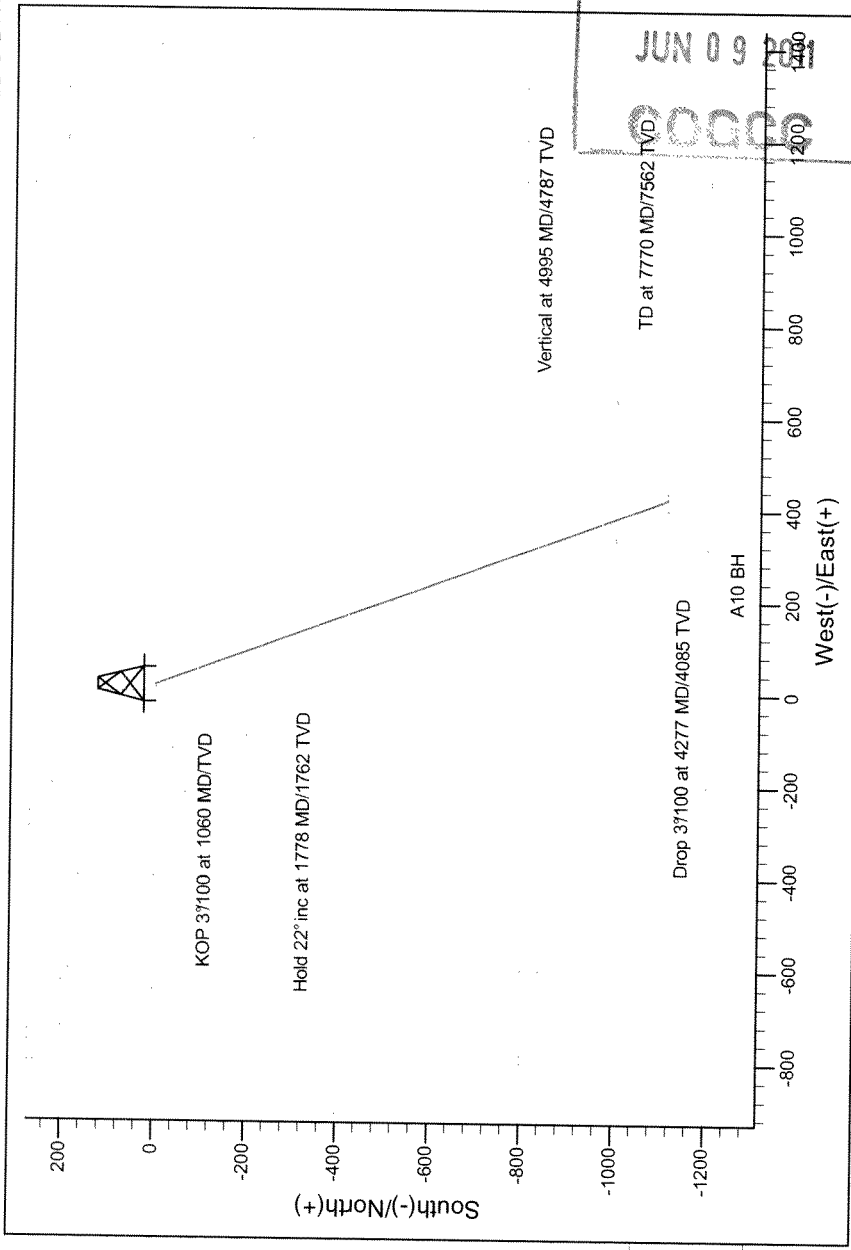
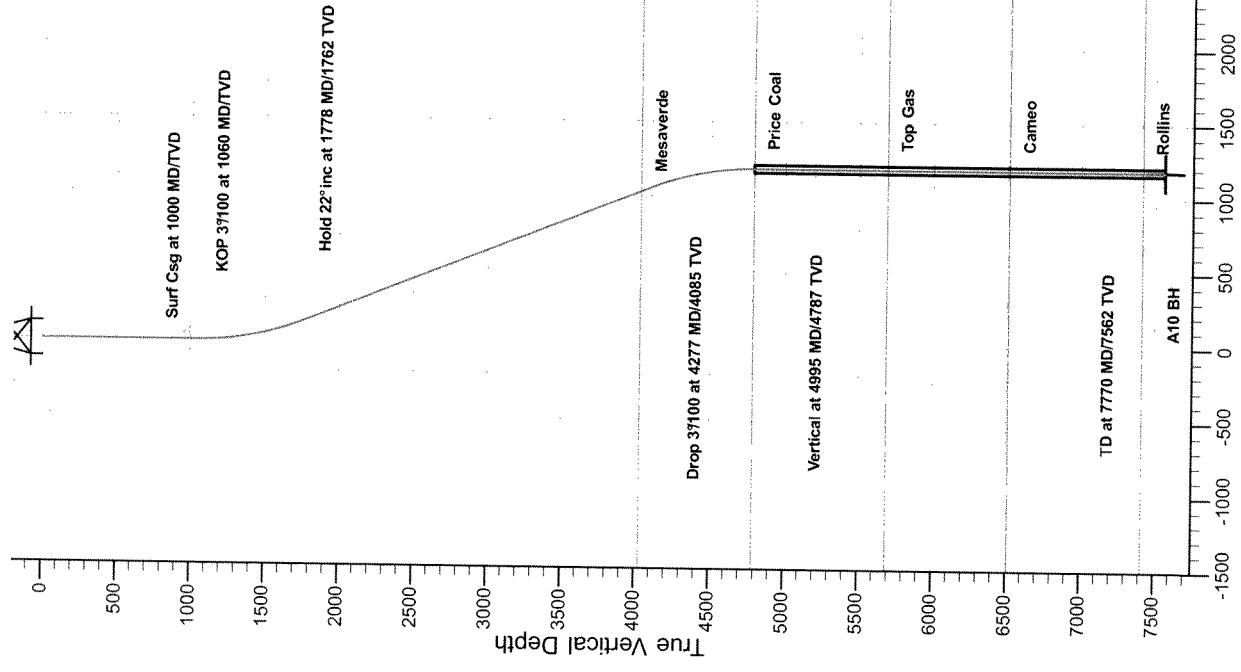
Scale: 1"= 1000'

Sheet: 1 of 11

Well Location Plat
Prepared For Antero Resources

Situate In:
NW1/4 Section 16, T6S., R. 92 W. of the
6th P.M., Garfield County, Colorado





RECEIVED
 JUN 09 2011

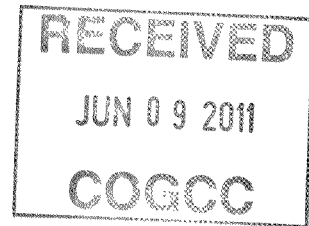
FORMATION TOP DETAILS	
TVD/Path	MDPath
4027.00	4214.13
4787.00	4995.34
5687.00	5995.34
6512.00	6720.34
7412.00	7620.34
Formation	
Mesaverde	
Price Coal	
Top Gas	
Cameo	
Rollins	

Magnetic Field Details	
Total Correction to Grid N: +11.91°	
G	M
Model: IGRF2010	
Date: 28-Jun-11	
Grid Conv: -1.70	
Mag. Dec: 10.21°	
Field Strength: 52312	
Dip: 65.83°	

SECTION DETAILS						
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg TFace V Sect Target
0.00	0.00	0.00	0.00	-0.18	15.00	0.00
1060.00	0.00	0.00	1060.00	-0.18	15.00	0.00
1778.42	21.55	159.86	1761.60	-125.55	60.99	3.00
4277.92	21.55	159.86	4085.40	-987.26	377.05	0.00
4995.34	0.00	0.00	4787.00	-1112.63	423.04	3.00
7770.34	0.00	0.00	7562.00	-1112.63	423.04	0.00

PROJECT DETAILS: McPherson	
Geocetic 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:	Site McPherson A Pad, Grid North
Vertical (TVD) Reference:	KB @ 5472.00ft (Original Well Elev)
Section (VS) Reference:	Slot - A10(-0.18N, -15.00E)
Measured Depth Reference:	KB @ 5472.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature



Antero Resources

McPherson

McPherson A Pad

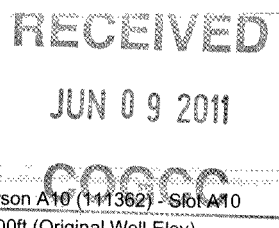
McPherson A10 (111362) - Slot A10

A10

Plan: McPherson A10 P02

Standard Planning Report - Geographic

16 May, 2011



Database:	EDM 5000 SERVER DB	Local Co-ordinate Reference:	Well McPherson A10 (111362) - Slot A10
Company:	Antero Resources	TVD Reference:	KB @ 5472.00ft (Original Well Elev)
Project:	McPherson	MD Reference:	KB @ 5472.00ft (Original Well Elev)
Site:	McPherson A Pad	North Reference:	Grid
Well:	McPherson A10 (111362)	Survey Calculation Method:	Minimum Curvature
Wellbore:	A10		
Design:	McPherson A10 P02		

Project	McPherson		
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	McPherson A Pad				
Site Position:		Northing:	14,367,218.62 usft	Latitude:	39.531108419°N
From:	Map	Easting:	885,836.08 usft	Longitude:	107.676038841°W
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.70 °

Well	McPherson A10 (111362) - Slot A10					
Well Position	+N/-S	0.00 ft	Northing:	14,367,218.44 usft	Latitude:	39.531109138°N
	+E/-W	0.00 ft	Easting:	885,851.08 usft	Longitude:	107.675985680°W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,448.00 ft

Wellbore	A10
-----------------	-----

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	6/28/2011	(°)	(°)	(nT)
			10.21	65.83	52,312

Design	McPherson A10 P02
---------------	-------------------

Audit Notes:	
Version:	Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	159.86

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,060.00	0.00	0.00	1,060.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,778.42	21.55	159.86	1,761.60	-125.37	45.99	3.00	3.00	0.00	159.86	
4,276.92	21.55	159.86	4,085.40	-987.07	362.05	0.00	0.00	0.00	0.00	
4,995.34	0.00	0.00	4,787.00	-1,112.44	408.04	3.00	-3.00	0.00	180.00	
7,770.34	0.00	0.00	7,562.00	-1,112.44	408.04	0.00	0.00	0.00	0.00	A10 BH

Planning Report - Geographic

Database:	EDM 5000 SERVER DB	Local Co-ordinate Reference:	Well McPherson A10 (111362) - Slot A10
Company:	Antero Resources	TVD Reference:	KB @ 5472.00ft (Original Well Elev)
Project:	McPherson	MD Reference:	KB @ 5472.00ft (Original Well Elev)
Site:	McPherson A Pad	North Reference:	Grid
Well:	McPherson A10 (111362)	Survey Calculation Method:	Minimum Curvature
Wellbore:	A10		
Design:	McPherson A10 P02		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
100.00	0.00	0.00	100.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
200.00	0.00	0.00	200.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
300.00	0.00	0.00	300.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
400.00	0.00	0.00	400.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
500.00	0.00	0.00	500.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
600.00	0.00	0.00	600.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
700.00	0.00	0.00	700.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
800.00	0.00	0.00	800.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
900.00	0.00	0.00	900.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
Surf Csg at 1000 MD/TVD									
1,060.00	0.00	0.00	1,060.00	0.00	0.00	14,367,218.44	885,851.08	39.531109138°N	107.675985680°W
KOP 3°/100 at 1060 MD/TVD									
1,100.00	1.20	159.86	1,100.00	-0.39	0.14	14,367,218.05	885,851.23	39.531108071°N	107.675985128°W
1,200.00	4.20	159.86	1,199.87	-4.82	1.77	14,367,213.62	885,852.85	39.531096072°N	107.675978915°W
1,300.00	7.20	159.86	1,299.37	-14.14	5.19	14,367,204.30	885,856.27	39.531070773°N	107.675965817°W
1,400.00	10.20	159.86	1,398.21	-28.34	10.39	14,367,190.10	885,861.48	39.531032244°N	107.675945869°W
1,500.00	13.20	159.86	1,496.12	-47.37	17.38	14,367,171.07	885,868.46	39.530980589°N	107.675919126°W
1,600.00	16.20	159.86	1,592.83	-71.20	26.11	14,367,147.24	885,877.20	39.530915952°N	107.675885661°W
1,700.00	19.20	159.86	1,688.09	-99.74	36.58	14,367,118.70	885,887.67	39.530838508°N	107.675845566°W
1,778.42	21.55	159.86	1,761.60	-125.37	45.99	14,367,093.07	885,897.07	39.530768949°N	107.675809554°W
Hold 22° inc at 1778 MD/1762 TVD									
1,800.00	21.55	159.86	1,781.67	-132.81	48.71	14,367,085.63	885,899.80	39.530748758°N	107.675799100°W
1,900.00	21.55	159.86	1,874.68	-167.30	61.36	14,367,051.14	885,912.45	39.530655173°N	107.675750649°W
2,000.00	21.55	159.86	1,967.68	-201.79	74.02	14,367,016.65	885,925.10	39.530561589°N	107.675702197°W
2,100.00	21.55	159.86	2,060.69	-236.28	86.67	14,366,982.16	885,937.75	39.530468004°N	107.675653746°W
2,200.00	21.55	159.86	2,153.70	-270.77	99.32	14,366,947.67	885,950.40	39.530374419°N	107.675605295°W
2,300.00	21.55	159.86	2,246.71	-305.26	111.97	14,366,913.18	885,963.05	39.530280834°N	107.675556844°W
2,400.00	21.55	159.86	2,339.72	-339.74	124.62	14,366,878.70	885,975.70	39.530187249°N	107.675508393°W
2,500.00	21.55	159.86	2,432.72	-374.23	137.27	14,366,844.21	885,988.35	39.530093664°N	107.675459943°W
2,600.00	21.55	159.86	2,525.73	-408.72	149.92	14,366,809.72	886,001.00	39.530000079°N	107.675411492°W
2,700.00	21.55	159.86	2,618.74	-443.21	162.57	14,366,775.23	886,013.65	39.529906494°N	107.675363042°W
2,800.00	21.55	159.86	2,711.75	-477.70	175.22	14,366,740.74	886,026.30	39.529812909°N	107.675314592°W
2,900.00	21.55	159.86	2,804.76	-512.19	187.87	14,366,706.25	886,038.95	39.529719324°N	107.675266141°W
3,000.00	21.55	159.86	2,897.76	-546.68	200.52	14,366,671.76	886,051.60	39.529625739°N	107.675217692°W
3,100.00	21.55	159.86	2,990.77	-581.17	213.17	14,366,637.27	886,064.25	39.529532154°N	107.675169242°W
3,200.00	21.55	159.86	3,083.78	-615.66	225.82	14,366,602.79	886,076.90	39.529438569°N	107.675120792°W
3,300.00	21.55	159.86	3,176.79	-650.14	238.47	14,366,568.30	886,089.55	39.529344984°N	107.675072343°W
3,400.00	21.55	159.86	3,269.80	-684.63	251.12	14,366,533.81	886,102.20	39.529251398°N	107.675023893°W
3,500.00	21.55	159.86	3,362.80	-719.12	263.77	14,366,499.32	886,114.85	39.529157813°N	107.674975444°W
3,600.00	21.55	159.86	3,455.81	-753.61	276.42	14,366,464.83	886,127.50	39.529064228°N	107.674926995°W
3,700.00	21.55	159.86	3,548.82	-788.10	289.07	14,366,430.34	886,140.15	39.528970643°N	107.674878546°W
3,800.00	21.55	159.86	3,641.83	-822.59	301.72	14,366,395.85	886,152.80	39.528877057°N	107.674830097°W
3,900.00	21.55	159.86	3,734.84	-857.08	314.37	14,366,361.36	886,165.45	39.528783472°N	107.674781648°W
4,000.00	21.55	159.86	3,827.84	-891.57	327.02	14,366,326.87	886,178.10	39.528689887°N	107.674733200°W
4,100.00	21.55	159.86	3,920.85	-926.06	339.67	14,366,292.39	886,190.75	39.528596301°N	107.674684751°W
4,200.00	21.55	159.86	4,013.86	-960.54	352.32	14,366,257.90	886,203.41	39.528502716°N	107.674636303°W
4,214.13	21.55	159.86	4,027.00	-965.42	354.11	14,366,253.02	886,205.19	39.528489494°N	107.674629458°W
Mesaverde									
4,276.92	21.55	159.86	4,085.40	-987.07	362.05	14,366,231.37	886,213.14	39.528430732°N	107.674599038°W
Drop 3°/100 at 4277 MD/4085 TVD									
4,300.00	20.86	159.86	4,106.92	-994.91	364.93	14,366,223.53	886,216.01	39.528409462°N	107.674588026°W
4,400.00	17.86	159.86	4,201.25	-1,026.03	376.34	14,366,192.41	886,227.43	39.528325019°N	107.674544311°W

Planning Report - Geographic

Database:	EDM 5000 SERVER DB	Local Co-ordinate Reference:	Well McPherson A10 (111362) - Slot A10
Company:	Antero Resources	TVD Reference:	KB @ 5472.00ft (Original Well Elev)
Project:	McPherson	MD Reference:	KB @ 5472.00ft (Original Well Elev)
Site:	McPherson A Pad	North Reference:	Grid
Well:	McPherson A10 (111362)	Survey Calculation Method:	Minimum Curvature
Wellbore:	A10		
Design:	McPherson A10 P02		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,500.00	14.86	159.86	4,297.19	-1,052.47	386.04	14,366,165.97	886,237.12	39.528253269°N	107.6744507167°W
4,600.00	11.86	159.86	4,394.48	-1,074.16	394.00	14,366,144.28	886,245.08	39.528194409°N	107.674476696°W
4,700.00	8.86	159.86	4,492.83	-1,091.05	400.19	14,366,127.40	886,251.27	39.528148600°N	107.674452982°W
4,800.00	5.86	159.86	4,592.00	-1,103.07	404.60	14,366,115.37	886,255.68	39.528115968°N	107.674436089°W
4,900.00	2.86	159.86	4,691.70	-1,110.21	407.22	14,366,108.23	886,258.30	39.528096602°N	107.674426063°W
4,995.34	0.00	0.00	4,787.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
Vertical at 4995 MD/4787 TVD - Price Coal									
5,000.00	0.00	0.00	4,791.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,100.00	0.00	0.00	4,891.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,200.00	0.00	0.00	4,991.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,300.00	0.00	0.00	5,091.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,400.00	0.00	0.00	5,191.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,500.00	0.00	0.00	5,291.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,600.00	0.00	0.00	5,391.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,700.00	0.00	0.00	5,491.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,800.00	0.00	0.00	5,591.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
5,895.34	0.00	0.00	5,687.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
Top Gas									
5,900.00	0.00	0.00	5,691.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,000.00	0.00	0.00	5,791.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,100.00	0.00	0.00	5,891.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,200.00	0.00	0.00	5,991.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,300.00	0.00	0.00	6,091.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,400.00	0.00	0.00	6,191.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,500.00	0.00	0.00	6,291.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,600.00	0.00	0.00	6,391.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,700.00	0.00	0.00	6,491.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,720.34	0.00	0.00	6,512.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
Cameo									
6,800.00	0.00	0.00	6,591.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
6,900.00	0.00	0.00	6,691.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,000.00	0.00	0.00	6,791.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,100.00	0.00	0.00	6,891.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,200.00	0.00	0.00	6,991.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,300.00	0.00	0.00	7,091.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,400.00	0.00	0.00	7,191.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,500.00	0.00	0.00	7,291.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,600.00	0.00	0.00	7,391.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,620.34	0.00	0.00	7,412.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
Rollins									
7,700.00	0.00	0.00	7,491.66	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
7,770.34	0.00	0.00	7,562.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W
TD at 7770 MD/7562 TVD									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
A10 BH - hit/miss target - Shape - Circle (radius 25.00)	0.00	360.00	7,562.00	-1,112.44	408.04	14,366,106.00	886,259.12	39.528090541°N	107.674422925°W

Planning Report - Geographic

Database:	EDM 5000 SERVER DB	Local Co-ordinate Reference:	Well McPherson A10 (111362) - Slot A10
Company:	Antero Resources	TVD Reference:	KB @ 5472.00ft (Original Well Elev)
Project:	McPherson	MD Reference:	KB @ 5472.00ft (Original Well Elev)
Site:	McPherson A Pad	North Reference:	Grid
Well:	McPherson A10 (111362)	Survey Calculation Method:	Minimum Curvature
Wellbore:	A10		
Design:	McPherson A10 P02		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,000.00	1,000.00	Surf Csg at 1000 MD/TVD	5.50	6.00

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,214.13	4,027.00	Mesaverde			
4,995.34	4,787.00	Price Coal			
5,895.34	5,687.00	Top Gas			
6,720.34	6,512.00	Cameo			
7,620.34	7,412.00	Rollins			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,060.00	1,060.00	0.00	0.00	KOP 3"/100 at 1060 MD/TVD
1,778.42	1,761.60	-125.37	45.99	Hold 22° inc at 1778 MD/1762 TVD
4,276.92	4,085.40	-987.07	362.05	Drop 3"/100 at 4277 MD/4085 TVD
4,995.34	4,787.00	-1,112.44	408.04	Vertical at 4995 MD/4787 TVD
7,770.34	7,562.00	-1,112.44	408.04	TD at 7770 MD/7562 TVD