

'AS DRILLED PLAT'

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35101	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 6800	⁵ Property Name ATLANTIC A	⁶ Well Number 7 C
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6085'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	29	31N	10W	15	781'	SOUTH	1811'	EAST	SAN JUAN

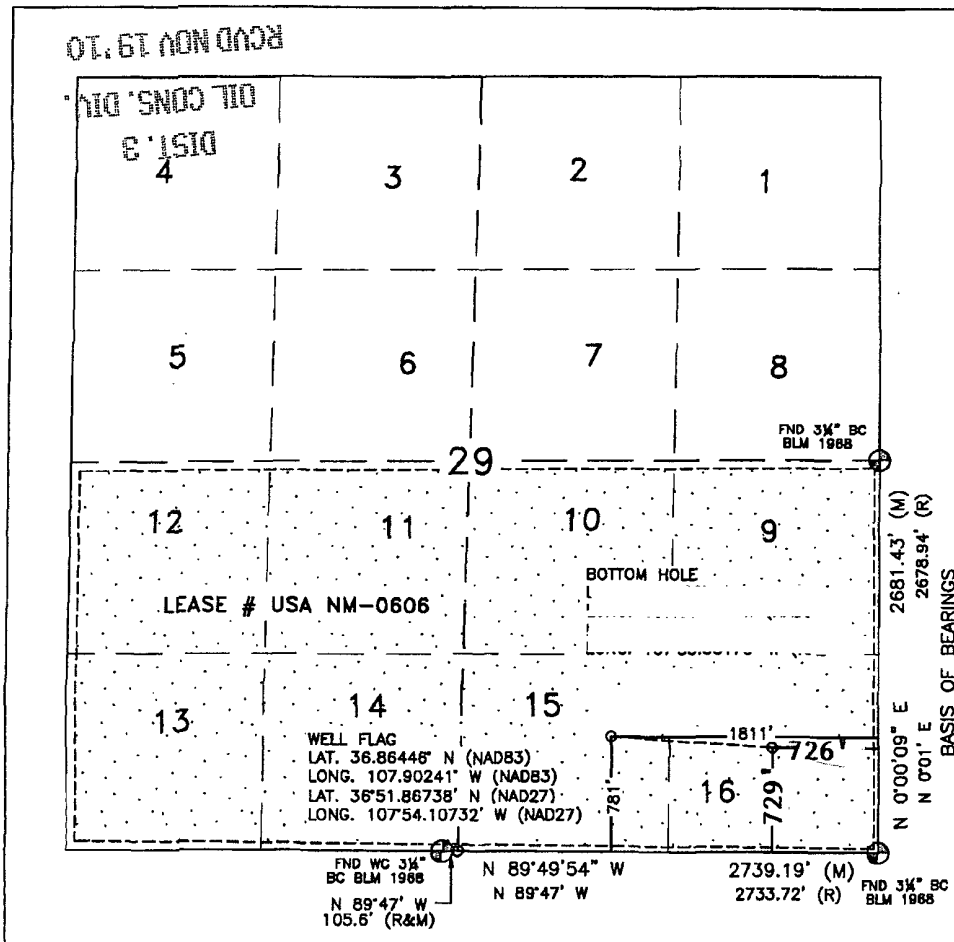
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	31N	10W	16	729'	SOUTH	726'	EAST	SAN JUAN

¹² Dedicated Acres 333.10 ACRES - S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

Tamra Sessions 11/17/10
Signature Date

Tamra Sessions
Printed Name

¹⁸ SURVEYOR CERTIFICATION

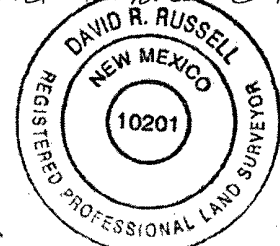
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 7, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName ATLANTIC A #7C	API / UWI 3004535101	County SAN JUAN	State/Province NEW MEXICO
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Surface Legal Location 029-031N-010W-O	N/S Dist (ft) 781.00	N/S Ref FSL	E/W Dist (ft) 1,811.00	E/W Ref FEL
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Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/12/2010	0.00	0.00	IncAzi-MWD	Scientific Drilling
8/17/2010	130.00	0.50	Inc-WL	MOTE
8/17/2010	238.00	1.50	Inc-WL	MOTE
9/12/2010	276.00	0.64	IncAzi-MWD	Scientific Drilling
9/12/2010	338.00	1.02	IncAzi-MWD	Scientific Drilling
9/12/2010	399.00	3.20	IncAzi-MWD	Scientific Drilling
9/12/2010	461.00	5.82	IncAzi-MWD	Scientific Drilling
9/12/2010	523.00	7.97	IncAzi-MWD	Scientific Drilling
9/12/2010	584.00	10.25	IncAzi-MWD	Scientific Drilling
9/12/2010	646.00	11.78	IncAzi-MWD	Scientific Drilling
9/12/2010	708.00	13.21	IncAzi-MWD	Scientific Drilling
9/12/2010	769.00	14.31	IncAzi-MWD	Scientific Drilling
9/12/2010	831.00	14.72	IncAzi-MWD	Scientific Drilling
9/12/2010	892.00	16.27	IncAzi-MWD	Scientific Drilling
9/12/2010	953.00	18.93	IncAzi-MWD	Scientific Drilling
9/12/2010	1,015.00	20.99	IncAzi-MWD	Scientific Drilling
9/12/2010	1,077.00	22.37	IncAzi-MWD	Scientific Drilling
9/12/2010	1,140.00	24.64	IncAzi-MWD	Scientific Drilling
9/12/2010	1,202.00	26.56	IncAzi-MWD	Scientific Drilling
9/12/2010	1,266.00	27.31	IncAzi-MWD	Scientific Drilling
9/12/2010	1,330.00	28.30	IncAzi-MWD	Scientific Drilling
9/12/2010	1,393.00	27.83	IncAzi-MWD	Scientific Drilling
9/12/2010	1,456.00	27.30	IncAzi-MWD	Scientific Drilling
9/12/2010	1,520.00	28.68	IncAzi-MWD	Scientific Drilling
9/12/2010	1,582.00	28.50	IncAzi-MWD	Scientific Drilling
9/12/2010	1,646.00	28.43	IncAzi-MWD	Scientific Drilling
9/12/2010	1,709.00	27.23	IncAzi-MWD	Scientific Drilling
9/12/2010	1,772.00	27.03	IncAzi-MWD	Scientific Drilling
9/12/2010	1,835.00	27.72	IncAzi-MWD	Scientific Drilling
9/12/2010	1,898.00	28.01	IncAzi-MWD	Scientific Drilling
9/12/2010	1,962.00	27.81	IncAzi-MWD	Scientific Drilling
9/12/2010	2,025.00	28.02	IncAzi-MWD	Scientific Drilling
9/12/2010	2,089.00	28.21	IncAzi-MWD	Scientific Drilling
9/12/2010	2,151.00	28.95	IncAzi-MWD	Scientific Drilling
9/12/2010	2,215.00	29.11	IncAzi-MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
9/12/2010	2,278.00	29.18	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,341.00	29.12	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,405.00	29.25	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,468.00	27.99	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,595.00	21.80	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,658.00	19.94	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,721.00	18.13	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,785.00	16.13	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,848.00	14.61	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,912.00	14.14	IncAzi-MWD	Scientific Drilling	
9/12/2010	2,975.00	13.83	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,039.00	13.89	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,102.00	14.21	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,165.00	13.78	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,229.00	12.91	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,293.00	12.12	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,356.00	10.91	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,418.00	9.51	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,482.00	7.42	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,546.00	5.30	IncAzi-MWD	Scientific Drilling	
9/12/2010	3,567.00	4.78	IncAzi-MWD	Scientific Drilling	
9/20/2010	5,702.00	0.75	Inc-WL	Phoenix Services LLC	

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Todd DeBruin

Subscribed and sworn to me this 11/16/2010

Tamm D. Sessin

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/2012

2010.10.08

2010.10.08

2010.10.08

ConocoPhillips

SJB (NM West)
SEC 29-T31N-R10W
Atlantic A #7C
Original Hole

Survey: Actual

SDI Standard Survey Report

08 October, 2010

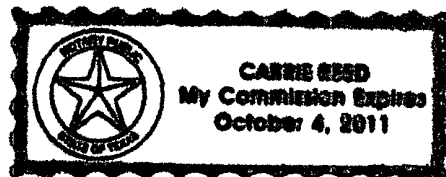
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

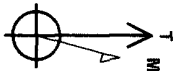




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 29-T31N-R10W
Well: Atlantic A #7C
Wellbore: Original Hole
Design: Plan #2

ConocoPhillips



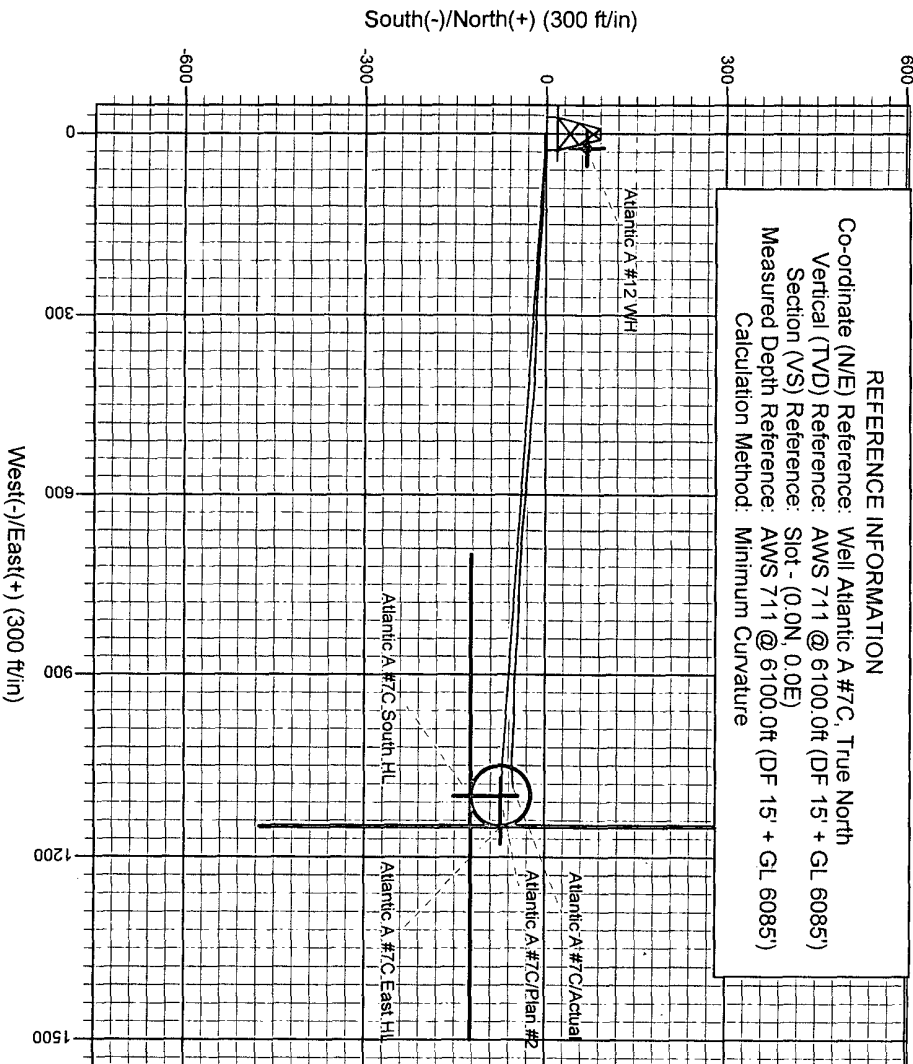
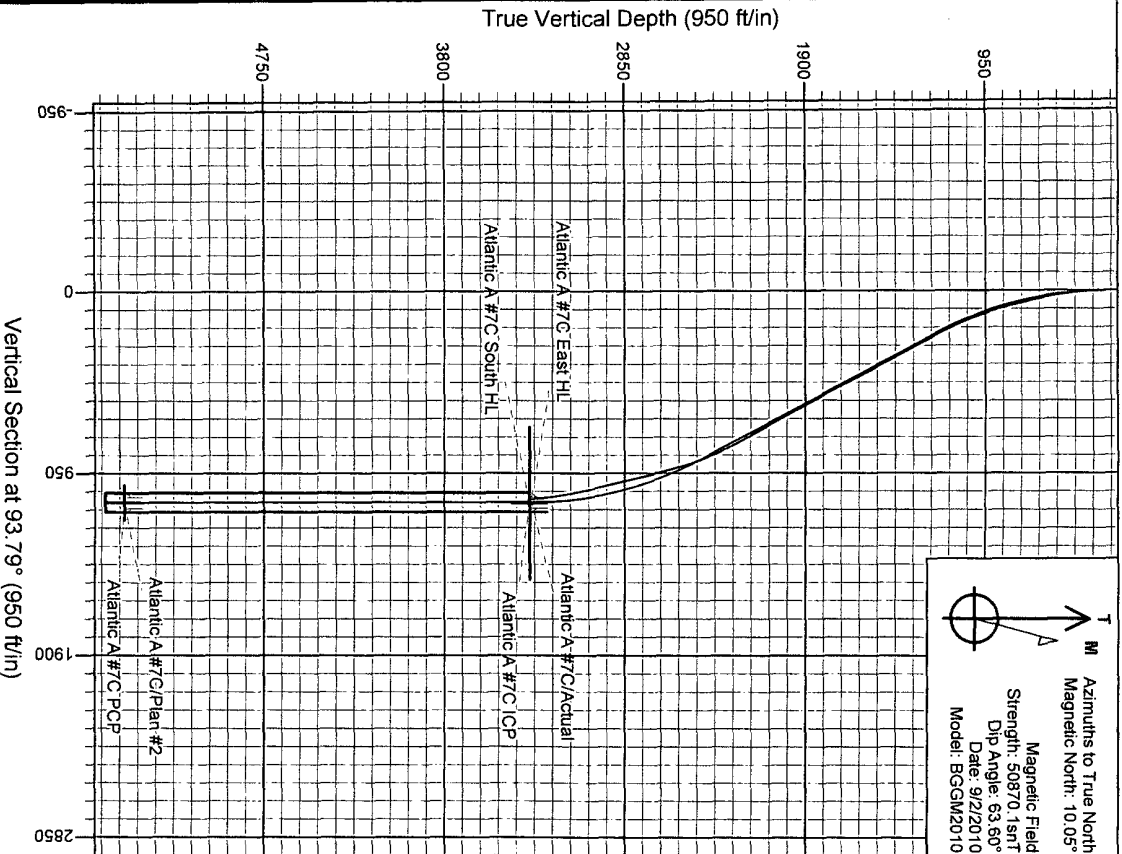
M Azimuths to True North
Magnetic North: 10.05°
Magnetic Field
Strength: 50870.1 snT
Dip Angle: 63.60°
Date: 9/2/2010
Model: BCGM2010

+N/-S +E/-W
0.0 0.0
Northing
2133931.35

WELL DETAIL S: Atlantic A #7C
AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Ground Level: 6085.0
Easting
479974.57
36° 51' 52.043 N

Latitude
107° 54' 6.439 W

Slot



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Atlantic A #7C, True North
Vertical (TVD) Reference: AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Calculation Method: Minimum Curvature

COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 29-T31N-R10W
San Juan County NM
Site Centre Latitude: 36° 52' 17.243 N
Longitude: 107° 54' 36.068 W
Positional Uncertainty: 0.0
Convergence: -0.05
Local North: True

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Atlantic A #7C
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Site:	SEC 29-T31N-R10W	MD Reference:	AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Well:	Atlantic A #7C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM West), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 29-T31N-R10W		
Site Position:		Northing:	2,136,481.61 ft
From:	Lat/Long	Easting:	477,568.98 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 52' 17.243 N
		Longitude:	107° 54' 36.068 W
		Grid Convergence:	-0.05 °

Well	Atlantic A #7C, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,133,931.35 ft
	+E/-W	0.0 ft	Easting: 479,974.57 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 51' 52.043 N
		Longitude:	107° 54' 6.439 W
		Ground Level:	6,085.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/2/2010	10.06	63.60	50,870

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	92.75

Survey Program	Date	10/8/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
276.0	3,567.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
276.0	0.64	208.44	276.0	-1.4	-0.7	208.44	1.5	
338.0	1.02	109.05	338.0	-1.8	-0.4	191.59	1.9	
399.0	3.20	98.39	398.9	-2.3	1.8	141.22	2.9	
461.0	5.82	93.02	460.7	-2.7	6.7	111.91	7.2	
523.0	7.97	88.75	522.3	-2.8	14.1	101.05	14.4	
584.0	10.25	86.75	582.5	-2.4	23.8	95.66	23.9	
646.0	11.78	89.37	643.4	-2.0	35.6	93.17	35.6	
708.0	13.21	90.87	703.9	-2.0	49.0	92.35	49.0	
769.0	14.31	91.04	763.2	-2.3	63.5	92.03	63.6	
831.0	14.72	92.89	823.2	-2.8	79.0	92.02	79.1	
892.0	16.27	92.31	882.0	-3.5	95.3	92.12	95.4	

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Atlantic A #7C
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Site:	SEC 29-T31N-R10W	MD Reference:	AWS 711 @ 6100.0ft (DF 15' + GL 6085')
Well:	Atlantic A #7C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
953.0	18.93	91.97	940.1	-4.2	113.8	92.12	113.8
1,015.0	20.99	93.98	998.4	-5.3	134.9	92.26	135.0
1,077.0	22.37	93.97	1,056.0	-6.9	157.7	92.51	157.9
1,140.0	24.64	94.17	1,113.8	-8.7	182.8	92.72	183.0
1,202.0	26.56	94.20	1,169.7	-10.7	209.5	92.91	209.8
1,266.0	27.31	93.10	1,226.7	-12.5	238.4	93.00	238.8
1,330.0	28.30	92.39	1,283.3	-13.9	268.3	92.97	268.6
1,393.0	27.83	91.76	1,338.9	-15.0	297.9	92.88	298.3
1,456.0	27.30	90.38	1,394.8	-15.5	327.0	92.72	327.4
1,520.0	28.68	91.79	1,451.3	-16.1	357.1	92.59	357.4
1,582.0	28.50	91.72	1,505.7	-17.0	386.7	92.52	387.1
1,646.0	28.43	93.18	1,562.0	-18.3	417.2	92.52	417.6
1,709.0	27.23	94.97	1,617.7	-20.4	446.5	92.62	447.0
1,772.0	27.03	95.21	1,673.8	-23.0	475.1	92.77	475.7
1,835.0	27.72	94.61	1,729.7	-25.4	504.0	92.89	504.6
1,898.0	28.01	93.74	1,785.4	-27.6	533.4	92.96	534.1
1,962.0	27.81	94.25	1,842.0	-29.7	563.2	93.02	564.0
2,025.0	28.02	95.29	1,897.6	-32.1	592.6	93.10	593.5
2,089.0	28.21	94.99	1,954.1	-34.8	622.7	93.20	623.6
2,151.0	28.95	93.85	2,008.5	-37.1	652.2	93.26	653.3
2,215.0	29.11	93.61	2,064.5	-39.1	683.2	93.28	684.4
2,278.0	29.18	92.77	2,119.5	-40.8	713.9	93.27	715.0
2,341.0	29.12	92.01	2,174.5	-42.1	744.5	93.24	745.7
2,405.0	29.25	91.40	2,230.4	-43.0	775.7	93.18	776.9
2,468.0	27.99	91.84	2,285.7	-43.9	805.9	93.12	807.1
2,595.0	21.80	94.81	2,400.9	-46.8	859.2	93.12	860.5
2,658.0	19.94	93.94	2,459.7	-48.6	881.6	93.15	882.9
2,721.0	18.13	92.73	2,519.3	-49.8	902.1	93.16	903.5
2,785.0	16.13	90.89	2,580.4	-50.4	920.9	93.13	922.3
2,848.0	14.61	88.18	2,641.2	-50.3	937.6	93.07	939.0
2,912.0	14.14	89.50	2,703.2	-49.9	953.5	93.00	954.8
2,975.0	13.83	94.03	2,764.3	-50.4	968.7	92.98	970.0
3,039.0	13.89	93.20	2,826.4	-51.4	984.0	92.99	985.4
3,102.0	14.21	92.76	2,887.6	-52.2	999.3	92.99	1,000.7
3,165.0	13.78	92.17	2,948.7	-52.8	1,014.5	92.98	1,015.9
3,229.0	12.91	92.71	3,011.0	-53.4	1,029.3	92.97	1,030.7
3,293.0	12.12	89.84	3,073.4	-53.8	1,043.1	92.95	1,044.5
3,356.0	10.91	89.33	3,135.2	-53.7	1,055.7	92.91	1,057.1
3,418.0	9.51	87.69	3,196.2	-53.4	1,066.7	92.87	1,068.0
3,482.0	7.42	86.63	3,259.5	-52.9	1,076.1	92.82	1,077.4
3,546.0	5.30	82.60	3,323.1	-52.3	1,083.2	92.76	1,084.4
3,567.0	4.78	82.70	3,344.0	-52.1	1,085.0	92.75	1,086.3