

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35074	² Pool Code 71599 / 72319	³ Pool Name BLANCO BASIN DAKOTA / MESA VERDE
⁴ Property Code 6797	⁵ Property Name ATLANTIC COM B	⁶ Well Number 8M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6376

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
L	23	31 N	10 W	5	1290	SOUTH	820	WEST	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
K	23	31 N	10 W		2128	SOUTH	1790	WEST	SAN JUAN

¹² Dedicated Acres 315.75 (W/2) DK 320.00 (W/2) MV	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

PCUD SEP 13 '10
OIL CONS. DIV.

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 DIST. 3

¹⁶ S 87°53'25" E 2644.57' ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION LOT 1 (39.52) NM B-10405-95 NOTE: BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83. LOT 2 (39.66) NM E-5318-1 USA NM-013688 1790' LOT 5 (39.07) 820' LOT 6 (38.80) 1290' LOT 7 (38.70) SURFACE HOLE 2128' LOT 8 (38.48) LOT 9 (38.38) 2626.73' N 89°45'08" W 2622.47' N 89°48'53" W SECTION 23 JOE DENNIS ET UX BOTTOMHOLE G.T. LACKEY ET UX	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 unleased 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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Crystal Tafoya</i> 9/13/10 Signature Date Crystal Tafoya 9/13/2010 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. 4/21/09 Date of Survey Signature and Seal of Professional Surveyor MARSHALL W. LINDEN NEW MEXICO 6-11-89 17078 PROFESSIONAL SURVEYOR 17078 Certificate Number
---	--

ConocoPhillips

SJB (NM West)

SEC 23-T21N-R10W

Atlantic Com B #8M

API # 30-045-35074

Original Hole



Survey: Actual

Standard Survey Report

03 June, 2010

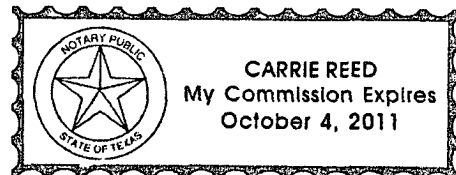
This survey is correct to the best of my knowledge and is supported by actual field data.

Blanton

Notorized this date 9th of June, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

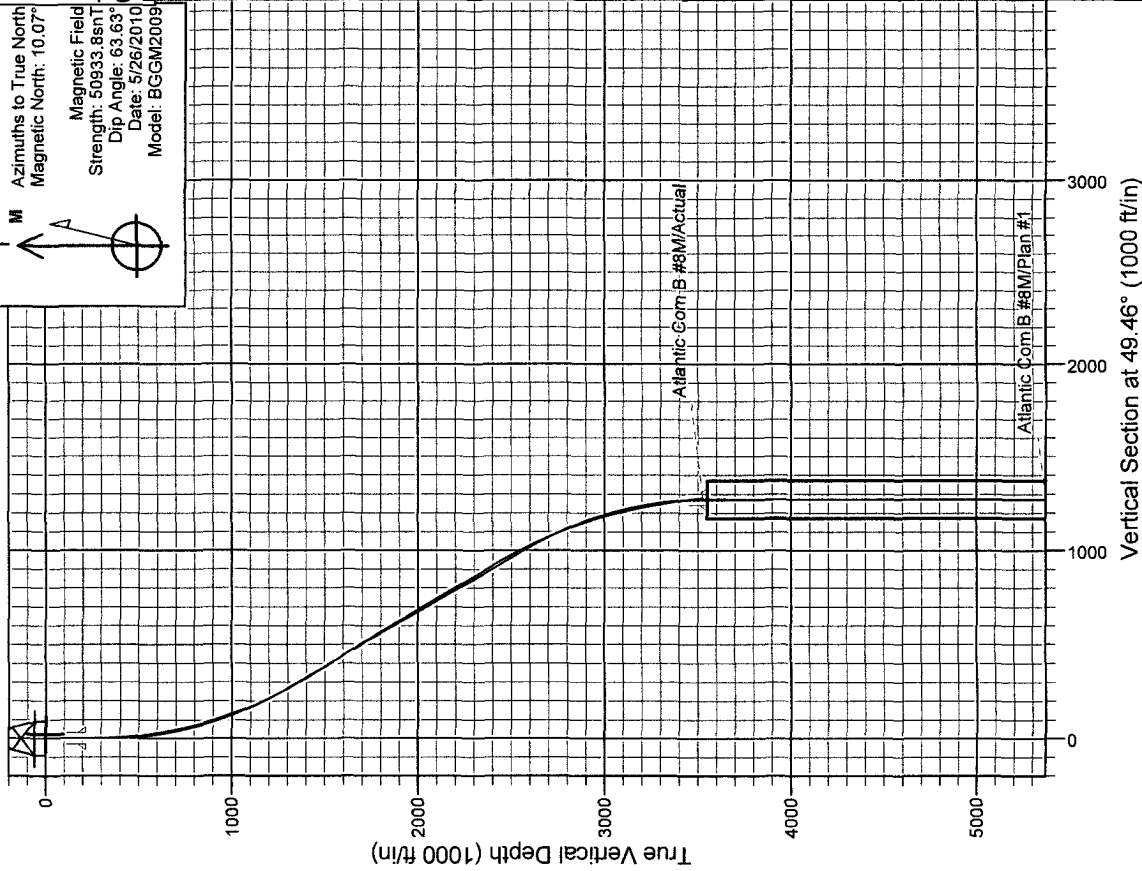
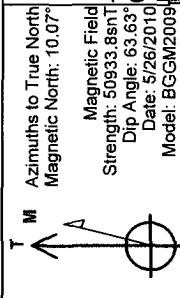




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
SEC 23-T21N-R10W
Well: Atlantic Com B #8M
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips



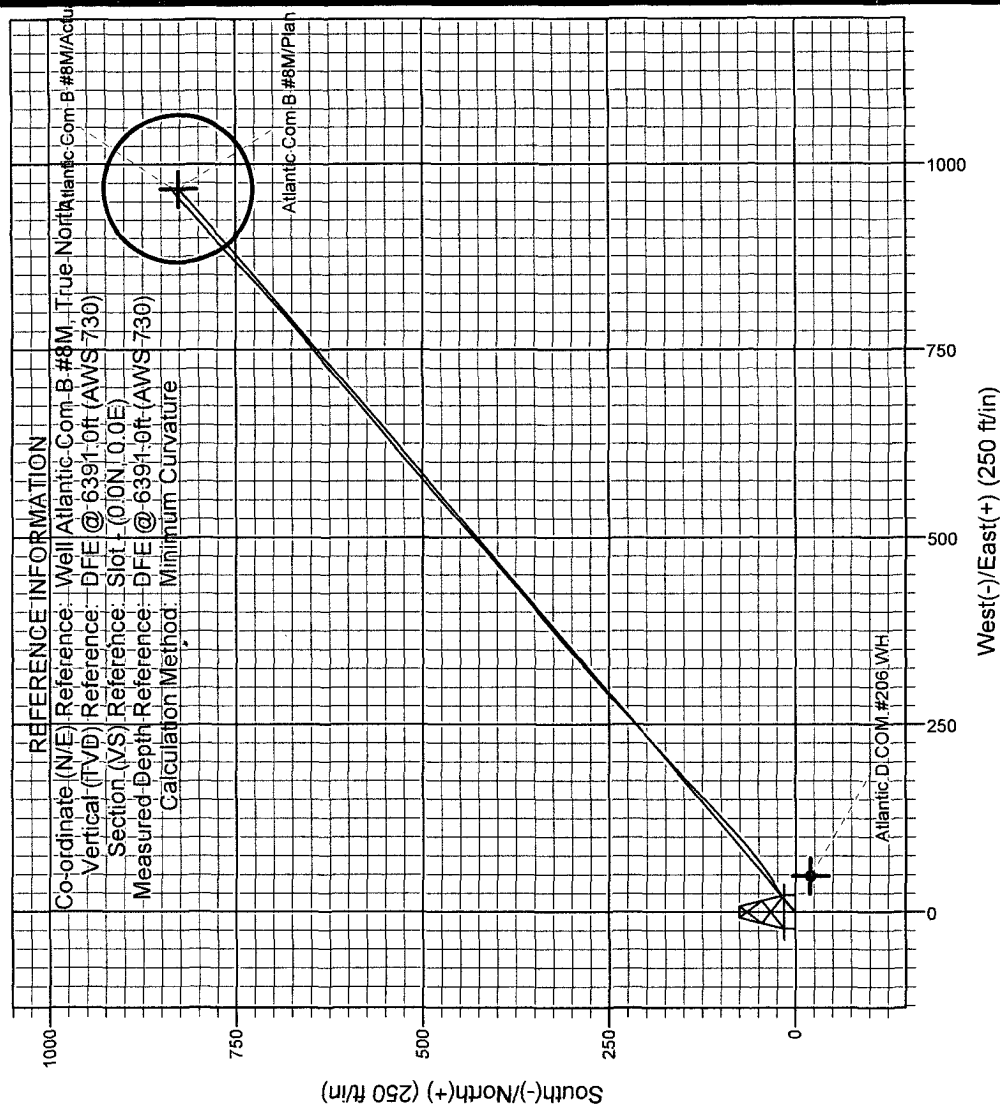
WELL DETAILS: Atlantic Com B #8M
DFE @ 6391.0ft (AWS 730)
Ground Level: 6376.0

+E/-W 0.0 Northing 2139715.14 Easting 492923.64 Latitude 36° 52' 49.299 N

Longitude 107° 51' 27.102 W Slot

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Atlantic Com B #8M, True North
Vertical (TV/D) Reference: DFE @ 6391.0ft (AWS 730)
Section (VS) Reference: Slot (010N 0.0E)
Measured Depth Reference: DFE @ 6391.0ft (AWS 730)
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 23-T21N-R10W
San Juan County NM
Site Centre Latitude: 36° 52' 49.299 N
Longitude: 107° 51' 27.102 W
Positional Uncertainty: 0.0
Convergence: -0.01
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Atlantic Com B #8M
Project:	SJB (NM West)	TVD Reference:	DFE @ 6391.0ft (AWS 730)
Site:	SEC 23-T21N-R10W	MD Reference:	DFE @ 6391.0ft (AWS 730)
Well:	Atlantic Com B #8M	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 23-T21N-R10W			
Site Position:		Northing:	2,139,715.14 ft	Latitude:	36° 52' 49.299 N
From:	Lat/Long	Easting:	492,923.64 ft	Longitude:	107° 51' 27.102 W
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.01 °

Well	Atlantic Com B #8M, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,139,715.14 ft	Latitude:	36° 52' 49.299 N
	+E/-W	0.0 ft	Easting:	492,923.64 ft	Longitude:	107° 51' 27.102 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,376.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2009	5/26/2010	10.07	63.63	50,934

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	51.29

Survey Program	Date	6/3/2010		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
266.0	3,817.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
266.0	0.66	47.35	266.0	1.0	1.1	1.5	0.25	0.25	0.00
328.0	1.25	46.83	328.0	1.7	1.9	2.6	0.95	0.95	-0.84
388.0	3.26	46.32	387.9	3.4	3.6	4.9	3.35	3.35	-0.85
450.0	5.55	45.32	449.7	6.7	7.0	9.7	3.70	3.69	-1.61
511.0	7.00	51.63	510.4	11.1	12.0	16.3	2.63	2.38	10.34
573.0	8.76	55.70	571.8	16.1	18.9	24.8	2.98	2.84	6.56
635.0	10.29	55.83	632.9	21.9	27.4	35.0	2.47	2.47	0.21
697.0	11.71	59.28	693.8	28.2	37.3	46.8	2.52	2.29	5.56
759.0	13.43	55.72	754.3	35.4	48.7	60.2	3.04	2.77	-5.74
820.0	14.72	54.33	813.5	44.0	60.9	75.0	2.19	2.11	-2.28
882.0	16.42	51.48	873.2	54.0	74.1	91.6	3.01	2.74	-4.60
945.0	18.09	49.09	933.4	66.0	88.5	110.3	2.88	2.65	-3.79

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Atlantic Com B #8M
Project:	SJB (NM West)	TVD Reference:	DFE @ 6391.0ft (AWS 730)
Site:	SEC 23-T21N-R10W	MD Reference:	DFE @ 6391.0ft (AWS 730)
Well:	Atlantic Com B #8M	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,008.0	19.36	48.06	993.0	79.3	103.6	130.5	2.08	2.02	-1.63	
1,071.0	21.05	48.02	1,052.2	93.9	119.8	152.2	2.68	2.68	-0.06	
1,134.0	22.64	47.15	1,110.6	109.7	137.1	175.6	2.58	2.52	-1.38	
1,197.0	24.44	46.49	1,168.4	126.9	155.5	200.7	2.89	2.86	-1.05	
1,260.0	26.73	46.24	1,225.2	145.7	175.1	227.8	3.64	3.63	-0.40	
1,323.0	28.49	46.72	1,281.0	165.8	196.3	256.9	2.82	2.79	0.76	
1,386.0	29.85	48.13	1,336.0	186.6	218.9	287.5	2.42	2.16	2.24	
1,449.0	29.97	48.15	1,390.6	207.5	242.3	318.9	0.19	0.19	0.03	
1,512.0	29.98	48.07	1,445.2	228.6	265.8	350.3	0.07	0.02	-0.13	
1,575.0	30.43	47.32	1,499.7	249.9	289.2	381.9	0.93	0.71	-1.19	
1,638.0	31.75	49.61	1,553.6	271.4	313.6	414.4	2.81	2.10	3.63	
1,701.0	31.99	48.74	1,607.1	293.2	338.7	447.7	0.82	0.38	-1.38	
1,764.0	31.98	48.85	1,660.6	315.2	363.8	481.0	0.09	-0.02	0.17	
1,827.0	31.46	50.68	1,714.1	336.6	389.1	514.1	1.74	-0.83	2.90	
1,890.0	30.92	49.57	1,768.0	357.5	414.2	546.7	1.25	-0.86	-1.76	
1,953.0	30.76	49.65	1,822.1	378.4	438.8	579.0	0.26	-0.25	0.13	
2,017.0	30.91	49.21	1,877.1	399.7	463.7	611.8	0.42	0.23	-0.69	
2,080.0	30.85	48.88	1,931.1	420.9	488.1	644.1	0.29	-0.10	-0.52	
2,143.0	31.36	48.39	1,985.1	442.5	512.5	676.6	0.90	0.81	-0.78	
2,206.0	30.58	48.42	2,039.1	464.0	536.8	709.0	1.24	-1.24	0.05	
2,269.0	30.43	48.56	2,093.4	485.2	560.7	740.9	0.26	-0.24	0.22	
2,333.0	29.87	48.69	2,148.7	506.4	584.8	773.1	0.88	-0.88	0.20	
2,397.0	29.79	48.84	2,204.3	527.4	608.8	804.9	0.17	-0.13	0.23	
2,460.0	30.36	50.32	2,258.8	547.9	632.8	836.4	1.48	0.90	2.35	
2,524.0	30.66	49.83	2,313.9	568.7	657.7	868.9	0.61	0.47	-0.77	
2,587.0	30.74	49.47	2,368.1	589.5	682.2	901.1	0.32	0.13	-0.57	
2,651.0	30.16	49.39	2,423.3	610.6	706.9	933.5	0.91	-0.91	-0.13	
2,713.0	28.04	51.77	2,477.4	629.8	730.1	963.6	3.90	-3.42	3.84	
2,777.0	27.93	50.34	2,533.9	648.7	753.5	993.6	1.06	-0.17	-2.23	
2,840.0	26.63	49.35	2,589.9	667.3	775.6	1,022.5	2.19	-2.06	-1.57	
2,903.0	24.66	48.86	2,646.7	685.1	796.2	1,049.8	3.15	-3.13	-0.78	
2,966.0	23.45	48.21	2,704.3	702.1	815.4	1,075.4	1.97	-1.92	-1.03	
3,029.0	22.33	48.22	2,762.3	718.5	833.7	1,099.9	1.78	-1.78	0.02	
3,092.0	20.40	46.70	2,821.0	734.0	850.6	1,122.8	3.19	-3.06	-2.41	
3,155.0	18.76	46.27	2,880.3	748.5	865.9	1,143.8	2.61	-2.60	-0.68	
3,218.0	17.59	47.94	2,940.2	761.9	880.3	1,163.4	2.03	-1.86	2.65	
3,281.0	15.66	47.94	3,000.5	774.0	893.7	1,181.4	3.06	-3.06	0.00	
3,344.0	13.95	50.62	3,061.4	784.5	905.9	1,197.5	2.92	-2.71	4.25	
3,407.0	12.44	50.05	3,122.8	793.6	917.0	1,211.9	2.41	-2.40	-0.90	
3,470.0	11.20	49.66	3,184.4	802.0	926.8	1,224.8	1.97	-1.97	-0.62	
3,533.0	10.38	49.24	3,246.3	809.6	935.8	1,236.5	1.31	-1.30	-0.67	
3,596.0	9.34	48.27	3,307.5	823.8	952.0	1,258.1	0.84	-0.83	-0.77	
3,722.0	8.66	49.91	3,432.7	830.3	959.5	1,267.9	1.15	-1.08	2.60	
3,785.0	7.39	55.70	3,495.1	835.6	966.4	1,276.7	2.39	-2.02	9.19	
3,817.0	6.42	60.71	3,526.8	837.7	969.7	1,280.5	3.57	-3.03	15.66	