

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35038		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 18624		*Property Name STATE COM SRC			*Well Number 1B
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6286'

¹⁰ Surface Location

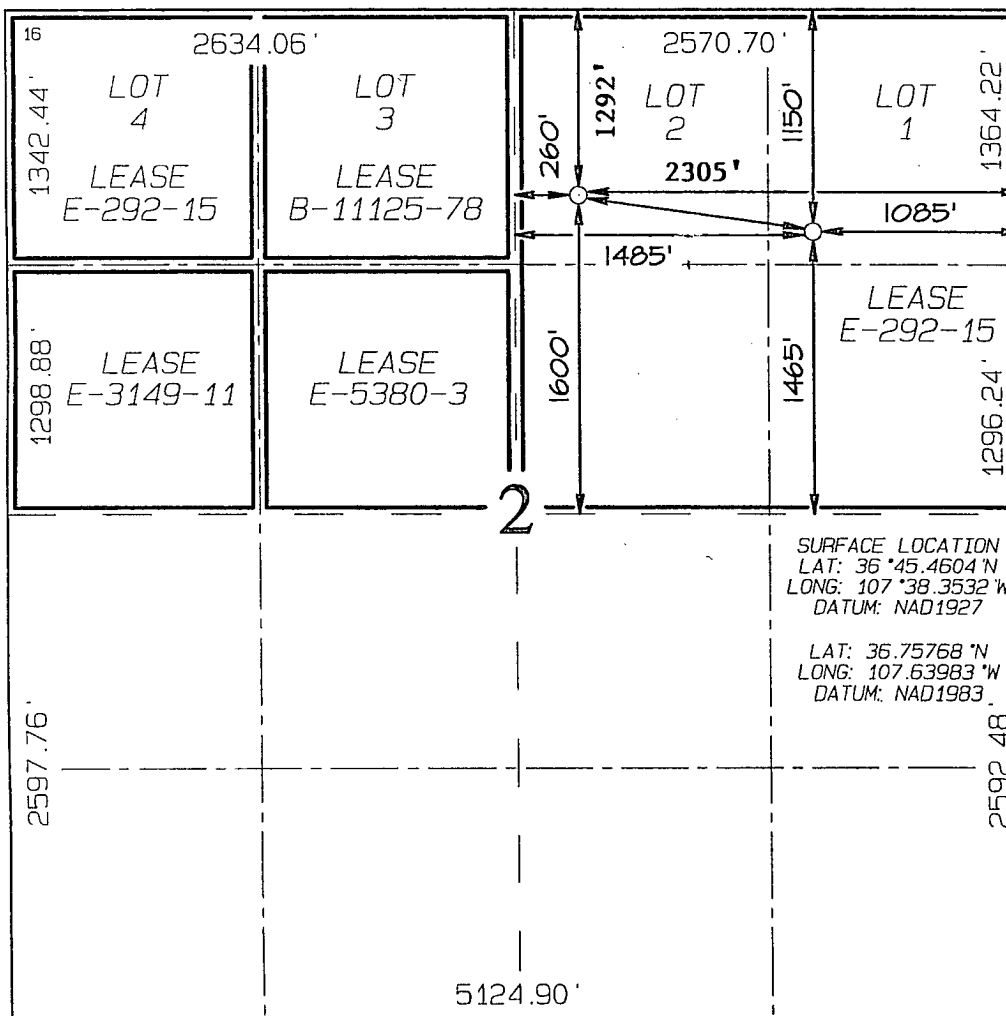
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	29N	8W		1150	NORTH	1085	EAST	SAN JUAN

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
B	2	29N	8W		1292'	NORTH	2305'	EAST	SAN JUAN

¹² Dedicated Acres 326.92 Acres - N/2					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD MAY 27 '11 OIL CONS. DIV.
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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



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.

Dollie L. Busse 5/24/11
Signature Date
Dollie L. Busse
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.

Date of Survey: JULY 5, 2009
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
Certificate Number 15269

Legal WellName : STATE COM SRC #1B	API / UWI: 3004535038
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 002-029N-008W-A
St/Prov: NEW MEXICO	N/S Dist (ft): 1,150.00 - FNL
County: SAN JUAN	E/W Dist (ft): 1,085.00 - FEL

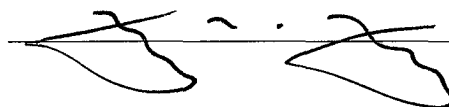
RCVD MAY 27 '11
OIL CONS. DIV.
DIST. 3

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	02/23/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
02/23/2011	129.00	.75	.00	Inc-Drop	MO-TE DRILLING INC.
02/25/2011	239.00	.75	.00	Inc-Drop	MO-TE DRILLING INC.
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
MWD SURVEY	03/19/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
03/19/2011	275.00	.69	330.73	IncAzi-MWD	Scientific Drilling
03/19/2011	306.00	1.41	326.53	IncAzi-MWD	Scientific Drilling
03/19/2011	337.00	2.07	325.33	IncAzi-MWD	Scientific Drilling
03/19/2011	368.00	2.82	321.31	IncAzi-MWD	Scientific Drilling
03/19/2011	397.00	3.48	313.51	IncAzi-MWD	Scientific Drilling
03/19/2011	428.00	4.42	306.36	IncAzi-MWD	Scientific Drilling
03/19/2011	459.00	5.44	304.30	IncAzi-MWD	Scientific Drilling
03/19/2011	489.00	6.05	302.20	IncAzi-MWD	Scientific Drilling
03/19/2011	520.00	6.55	298.56	IncAzi-MWD	Scientific Drilling
03/19/2011	550.00	6.97	294.59	IncAzi-MWD	Scientific Drilling
03/19/2011	581.00	7.76	292.14	IncAzi-MWD	Scientific Drilling
03/19/2011	612.00	8.50	286.74	IncAzi-MWD	Scientific Drilling
03/19/2011	643.00	8.89	279.17	IncAzi-MWD	Scientific Drilling
03/19/2011	674.00	9.62	274.07	IncAzi-MWD	Scientific Drilling
03/19/2011	705.00	10.79	276.25	IncAzi-MWD	Scientific Drilling
03/19/2011	736.00	11.91	278.36	IncAzi-MWD	Scientific Drilling
03/19/2011	766.00	12.99	278.01	IncAzi-MWD	Scientific Drilling
03/19/2011	797.00	13.90	277.37	IncAzi-MWD	Scientific Drilling
03/19/2011	828.00	14.98	276.75	IncAzi-MWD	Scientific Drilling
03/19/2011	859.00	15.74	276.24	IncAzi-MWD	Scientific Drilling
03/19/2011	890.00	16.51	276.48	IncAzi-MWD	Scientific Drilling
03/20/2011	921.00	17.24	275.01	IncAzi-MWD	Scientific Drilling
03/20/2011	953.00	18.44	275.88	IncAzi-MWD	Scientific Drilling
03/20/2011	985.00	19.17	275.36	IncAzi-MWD	Scientific Drilling
03/20/2011	1,017.00	20.40	276.26	IncAzi-MWD	Scientific Drilling
03/20/2011	1,048.00	21.38	276.69	IncAzi-MWD	Scientific Drilling
03/20/2011	1,080.00	22.33	275.96	IncAzi-MWD	Scientific Drilling

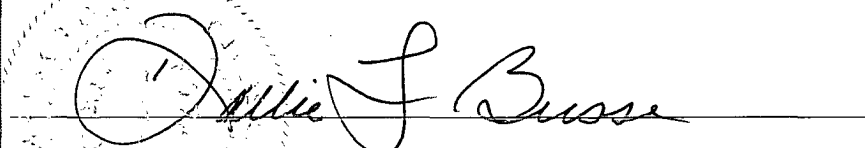
03/20/2011	1,112.00	23.49	275.80	IncAzi-MWD	Scientific Drilling
03/20/2011	1,144.00	24.92	276.31	IncAzi-MWD	Scientific Drilling
03/20/2011	1,175.00	25.87	277.01	IncAzi-MWD	Scientific Drilling
03/20/2011	1,207.00	26.92	277.55	IncAzi-MWD	Scientific Drilling
03/20/2011	1,239.00	28.03	278.32	IncAzi-MWD	Scientific Drilling
03/20/2011	1,271.00	28.52	278.22	IncAzi-MWD	Scientific Drilling
03/20/2011	1,303.00	29.21	278.34	IncAzi-MWD	Scientific Drilling
03/20/2011	1,367.00	29.99	276.90	IncAzi-MWD	Scientific Drilling
03/20/2011	1,430.00	30.19	273.92	IncAzi-MWD	Scientific Drilling
03/20/2011	1,494.00	29.17	273.40	IncAzi-MWD	Scientific Drilling
03/20/2011	1,557.00	27.82	273.48	IncAzi-MWD	Scientific Drilling
03/20/2011	1,621.00	26.25	275.87	IncAzi-MWD	Scientific Drilling
03/20/2011	1,685.00	26.04	276.50	IncAzi-MWD	Scientific Drilling
03/20/2011	1,748.00	27.18	276.38	IncAzi-MWD	Scientific Drilling
03/20/2011	1,812.00	27.34	275.17	IncAzi-MWD	Scientific Drilling
03/20/2011	1,875.00	25.91	276.86	IncAzi-MWD	Scientific Drilling
03/20/2011	1,939.00	22.72	278.81	IncAzi-MWD	Scientific Drilling
03/20/2011	2,002.00	22.47	279.30	IncAzi-MWD	Scientific Drilling
03/20/2011	2,066.00	22.66	278.37	IncAzi-MWD	Scientific Drilling
03/20/2011	2,160.00	23.99	277.08	IncAzi-MWD	Scientific Drilling
03/20/2011	2,224.00	25.43	277.49	IncAzi-MWD	Scientific Drilling
03/20/2011	2,287.00	26.25	277.44	IncAzi-MWD	Scientific Drilling
03/20/2011	2,351.00	26.69	277.35	IncAzi-MWD	Scientific Drilling
03/20/2011	2,414.00	26.58	276.43	IncAzi-MWD	Scientific Drilling
03/20/2011	2,478.00	26.43	275.94	IncAzi-MWD	Scientific Drilling
03/20/2011	2,541.00	26.60	275.28	IncAzi-MWD	Scientific Drilling
03/20/2011	2,605.00	26.92	274.53	IncAzi-MWD	Scientific Drilling
03/20/2011	2,668.00	26.17	275.54	IncAzi-MWD	Scientific Drilling
03/20/2011	2,732.00	25.05	275.77	IncAzi-MWD	Scientific Drilling
03/20/2011	2,795.00	24.74	275.35	IncAzi-MWD	Scientific Drilling
03/20/2011	2,859.00	24.38	273.62	IncAzi-MWD	Scientific Drilling
03/20/2011	2,922.00	23.64	274.51	IncAzi-MWD	Scientific Drilling
03/20/2011	2,986.00	22.85	276.95	IncAzi-MWD	Scientific Drilling
03/20/2011	3,049.00	22.29	277.82	IncAzi-MWD	Scientific Drilling
03/20/2011	3,113.00	22.03	277.60	IncAzi-MWD	Scientific Drilling
03/20/2011	3,176.00	20.87	277.52	IncAzi-MWD	Scientific Drilling
03/20/2011	3,240.00	18.66	276.16	IncAzi-MWD	Scientific Drilling
03/20/2011	3,303.00	17.37	275.84	IncAzi-MWD	Scientific Drilling
03/20/2011	3,367.00	17.55	276.19	IncAzi-MWD	Scientific Drilling
03/20/2011	3,398.00	16.81	275.91	IncAzi-MWD	Scientific Drilling
03/20/2011	3,462.00	14.39	273.94	IncAzi-MWD	Scientific Drilling
03/20/2011	3,525.00	13.01	273.03	IncAzi-MWD	Scientific Drilling
03/21/2011	3,589.00	11.86	273.14	IncAzi-MWD	Scientific Drilling
03/21/2011	3,652.00	10.26	272.94	IncAzi-MWD	Scientific Drilling
03/21/2011	3,716.00	9.16	273.76	IncAzi-MWD	Scientific Drilling
03/21/2011	3,780.00	8.01	273.20	IncAzi-MWD	Scientific Drilling
03/21/2011	3,843.00	6.74	272.17	IncAzi-MWD	Scientific Drilling
03/22/2011	3,907.00	5.60	268.94	IncAzi-MWD	Scientific Drilling

03/22/2011	3,938.00	4.90	270.68	IncAzi-MWD	Scientific Drilling
03/22/2011	3,970.00	3.79	265.88	IncAzi-MWD	Scientific Drilling
03/22/2011	4,002.00	2.99	259.68	IncAzi-MWD	Scientific Drilling
03/22/2011	4,049.00	2.67	255.57	IncAzi-MWD	Scientific Drilling
03/22/2011	4,105.00	2.29	255.57	Projection	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	03/31/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
03/31/2011	7,761.00	1.25	.00	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.



Subscribed and sworn to me this MAY 26, 2011



Notary Public in and for San Juan County, New Mexico

My Commission expires AUGUST 6, 2014



Scientific Drilling
Directional Drilling Operations

RCVD MAY 27 '11
OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM West)
SEC 02-T29N-R8W
State Com SRC #1B

Original Hole

Design: As Drilled

Standard Survey Report

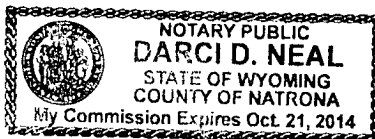
21 March, 2011

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

Notarized this date 29th of March, 2011.

Darci D. Neal

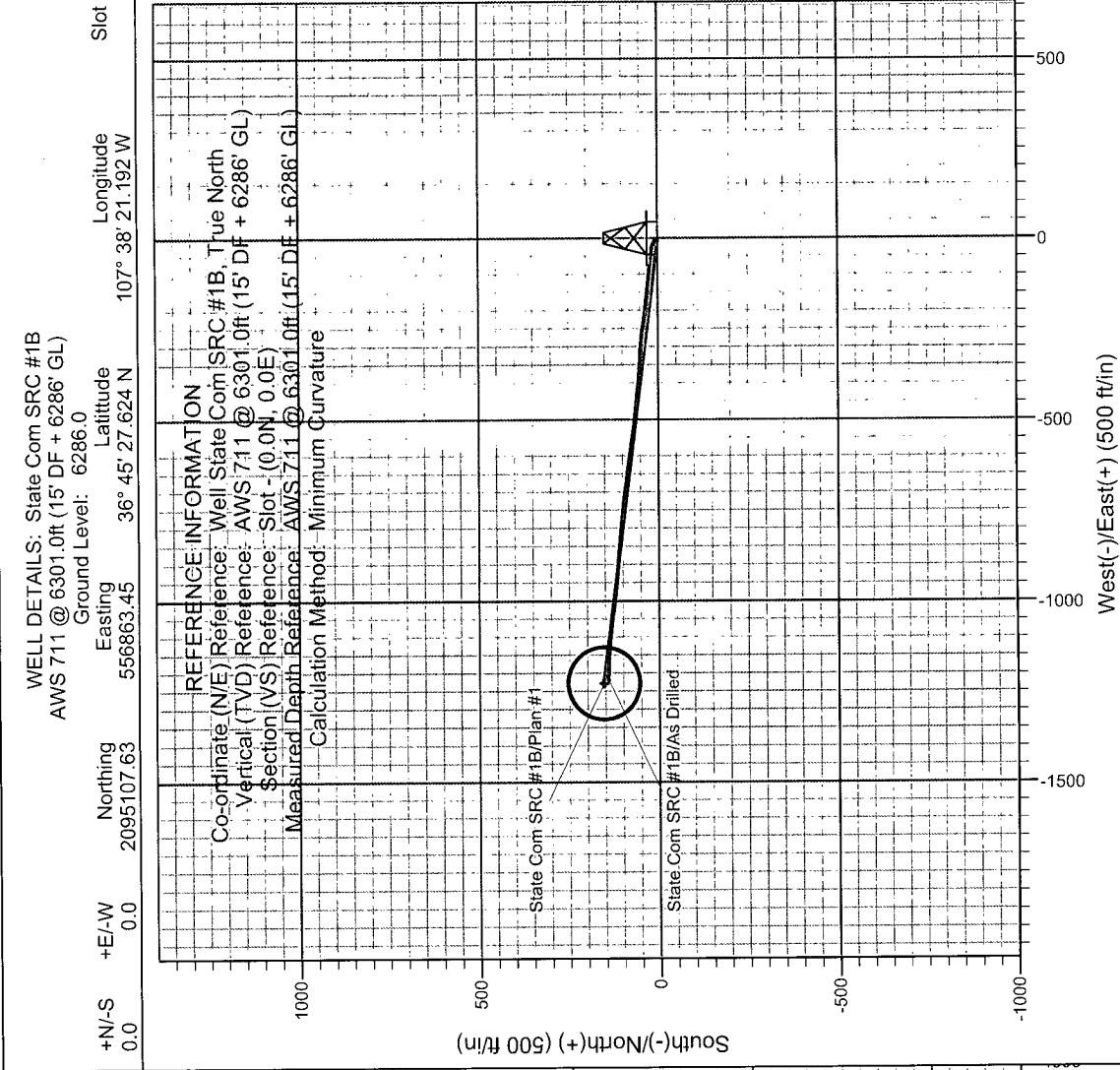
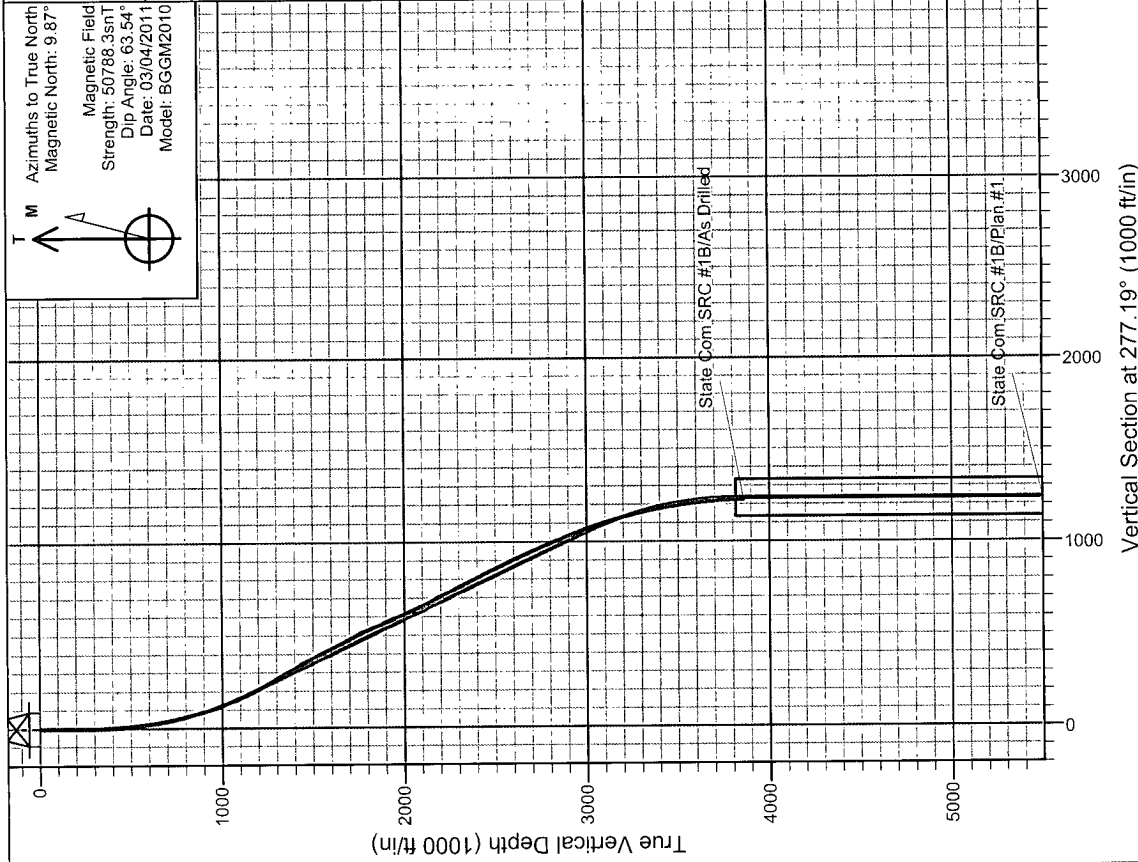
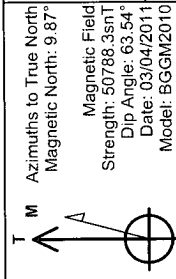
Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips



Project: SJB (NM West)
Site: SEC 02-T29N-R8W
Well: State Com SRC #1B
Wellbore: Original Hole
Design: As Drilled



WELL DETAILS: State Com SRC #1B
AWS 711 @ 6301.0ft (15' DF + 6286' GL)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2095107.63	556863.45	36° 45' 27.624 N	107° 38' 21.192 W	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well State Com SRC #1B, True North
Vertical (TVD) Reference: AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Section (VS) Reference: Slot: (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 6301.0ft (15' DF + 6286' GL)
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 02-T29N-R8W
San Juan County NM
Site Centre Latitude: 36° 45' 27.624 N
Longitude: 107° 38' 21.192 W
Positional Uncertainty: 7.5
Convergence: 0.12
Local North: True

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well State Com SRC #1B
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Site:	SEC 02-T29N-R8W	MD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Well:	State Com SRC #1B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 2003.21 Single User Db

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 02-T29N-R8W			
Site Position:		Northing:	2,095,107.63 ft	Latitude:	36° 45' 27.624 N
From:	Lat/Long	Easting:	556,863.45 ft	Longitude:	107° 38' 21.192 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.12 °

Well:	State Com SRC #1B, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,095,107.63 ft	Latitude:	36° 45' 27.624 N
	+E/-W	0.0 ft	Easting:	556,863.45 ft	Longitude:	107° 38' 21.192 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,286.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	03/04/11	9.87	63.54	50,788

Design	As Drilled			
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	277.19

Survey Program	Date 03/21/11				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
275.0	4,105.0	SDI MWD (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1	

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
275.0	0.69	330.73	275.0	1.4	-0.8	1.0	0.25	0.25	0.00
306.0	1.41	326.53	306.0	1.9	-1.1	1.3	2.33	2.32	-13.55
337.0	2.07	325.33	337.0	2.7	-1.6	2.0	2.13	2.13	-3.87
368.0	2.82	321.31	367.9	3.8	-2.4	2.9	2.48	2.42	-12.97
397.0	3.48	313.51	396.9	4.9	-3.5	4.1	2.71	2.28	-26.90
428.0	4.42	306.36	427.8	6.3	-5.2	5.9	3.42	3.03	-23.06
459.0	5.44	304.40	458.7	7.8	-7.3	8.3	3.33	3.29	-6.32
489.0	6.05	302.20	488.6	9.5	-9.8	11.0	2.16	2.03	-7.33
520.0	6.55	298.56	519.4	11.2	-12.8	14.1	2.06	1.61	-11.74
550.0	6.97	294.59	549.2	12.8	-15.9	17.4	2.09	1.40	-13.23
581.0	7.76	292.14	579.9	14.3	-19.6	21.2	2.74	2.55	-7.90
612.0	8.50	286.74	610.6	15.8	-23.7	25.5	3.43	2.39	-17.42

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well State Com SRC #1B
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Site:	SEC 02-T29N-R8W	MD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Well:	State Com SRC #1B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 2003.21 Single User Db

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)
643.0	8.89	279.17	641.2	16.8	-28.3	30.2	3.90	1.26	-24.42
674.0	9.62	274.07	671.8	17.4	-33.2	35.1	3.54	2.35	-16.45
705.0	10.79	276.25	702.3	17.9	-38.7	40.6	3.97	3.77	7.03
736.0	11.91	278.36	732.7	18.7	-44.7	46.7	3.85	3.61	6.81
766.0	12.99	278.01	762.0	19.6	-51.2	53.2	3.61	3.60	-1.17
797.0	13.90	277.37	792.2	20.5	-58.3	60.4	2.97	2.94	-2.06
828.0	14.98	276.75	822.2	21.5	-66.0	68.1	3.52	3.48	-2.00
859.0	15.74	276.24	852.1	22.4	-74.1	76.3	2.49	2.45	-1.65
890.0	16.51	276.48	881.9	23.4	-82.7	85.0	2.49	2.48	0.77
921.0	17.24	275.01	911.5	24.3	-91.6	94.0	2.73	2.35	-4.74
953.0	18.44	275.88	942.0	25.2	-101.4	103.8	3.84	3.75	2.72
985.0	19.17	275.36	972.3	26.2	-111.7	114.1	2.34	2.28	-1.63
1,017.0	20.40	276.26	1,002.4	27.3	-122.4	124.9	3.96	3.84	2.81
1,048.0	21.38	276.69	1,031.4	28.6	-133.4	135.9	3.20	3.16	1.39
1,080.0	22.33	275.96	1,061.1	29.9	-145.3	147.9	3.09	2.97	-2.28
1,112.0	23.49	275.80	1,090.5	31.1	-157.6	160.3	3.63	3.63	-0.50
1,144.0	24.92	276.31	1,119.7	32.5	-170.7	173.4	4.52	4.47	1.59
1,175.0	25.87	277.01	1,147.7	34.1	-183.9	186.7	3.21	3.06	2.26
1,207.0	26.92	277.55	1,176.4	35.9	-198.0	200.9	3.37	3.28	1.69
1,239.0	28.03	278.32	1,204.8	37.9	-212.6	215.7	3.64	3.47	2.41
1,271.0	28.52	278.22	1,233.0	40.1	-227.6	230.9	1.54	1.53	-0.31
1,303.0	29.21	278.34	1,261.0	42.3	-242.9	246.3	2.16	2.16	0.38
1,367.0	29.99	276.90	1,316.6	46.5	-274.2	277.9	1.65	1.22	-2.25
1,430.0	30.19	273.92	1,371.2	49.5	-305.7	309.5	2.39	0.32	-4.73
1,494.0	29.17	273.40	1,426.8	51.5	-337.3	341.1	1.64	-1.59	-0.81
1,557.0	27.82	273.48	1,482.1	53.3	-367.3	371.1	2.14	-2.14	0.13
1,621.0	26.25	275.87	1,539.1	55.7	-396.3	400.2	2.98	-2.45	3.73
1,685.0	26.04	276.50	1,596.6	58.7	-424.3	428.3	0.54	-0.33	0.98
1,748.0	27.18	276.38	1,652.9	61.9	-452.4	456.6	1.81	1.81	-0.19
1,812.0	27.34	275.17	1,709.8	64.8	-481.5	485.9	0.90	0.25	-1.89
1,875.0	25.91	276.86	1,766.1	67.8	-509.6	514.1	2.57	-2.27	2.68
1,939.0	22.72	278.81	1,824.4	71.3	-535.7	540.4	5.14	-4.98	3.05
2,002.0	22.47	279.30	1,882.6	75.1	-559.6	564.6	0.50	-0.40	0.78
2,066.0	22.66	278.37	1,941.7	78.9	-583.9	589.2	0.63	0.30	-1.45
2,160.0	23.99	277.08	2,028.0	83.9	-620.8	626.4	1.52	1.41	-1.37
2,224.0	25.43	277.49	2,086.2	87.3	-647.3	653.1	2.27	2.25	0.64
2,287.0	26.25	277.44	2,142.9	90.9	-674.5	680.6	1.30	1.30	-0.08
2,351.0	26.69	277.35	2,200.1	94.5	-702.8	709.1	0.69	0.69	-0.14
2,414.0	26.58	276.43	2,256.5	97.9	-730.9	737.4	0.68	-0.17	-1.46
2,478.0	26.43	275.94	2,313.7	101.0	-759.3	765.9	0.41	-0.23	-0.77
2,541.0	26.60	275.28	2,370.1	103.8	-787.2	794.0	0.54	0.27	-1.05
2,605.0	26.92	274.53	2,427.3	106.2	-816.0	822.8	0.73	0.50	-1.17
2,668.0	26.17	275.54	2,483.6	108.7	-844.0	851.0	1.39	-1.19	1.60
2,732.0	25.05	275.77	2,541.3	111.4	-871.5	878.6	1.76	-1.75	0.36
2,795.0	24.74	275.35	2,598.5	114.0	-897.9	905.1	0.57	-0.49	-0.67
2,859.0	24.38	273.62	2,656.7	116.1	-924.4	931.7	1.26	-0.56	-2.70
2,922.0	23.64	274.51	2,714.2	117.9	-950.0	957.3	1.31	-1.17	1.41
2,986.0	22.85	276.95	2,773.0	120.4	-975.1	982.5	1.95	-1.23	3.81
3,049.0	22.29	277.82	2,831.2	123.5	-999.1	1,006.7	1.03	-0.89	1.38
3,113.0	22.03	277.60	2,890.5	126.7	-1,023.0	1,030.9	0.43	-0.41	-0.34
3,176.0	20.87	277.52	2,949.1	129.8	-1,045.9	1,053.9	1.84	-1.84	-0.13
3,240.0	18.66	276.16	3,009.3	132.4	-1,067.4	1,075.5	3.53	-3.45	-2.13
3,303.0	17.37	275.84	3,069.3	134.4	-1,086.7	1,095.0	2.05	-2.05	-0.51
3,367.0	17.55	276.19	3,130.3	136.4	-1,105.8	1,114.2	0.33	0.28	0.55

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well State Com SRC #1B
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Site:	SEC 02-T29N-R8W	MD Reference:	AWS 711 @ 6301.0ft (15' DF + 6286' GL)
Well:	State Com SRC #1B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 2003.21 Single User Db

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)	
3,398.0	16.81	275.91	3,159.9	137.4	-1,114.9	1,123.4	2.40	-2.39	-0.90	
3,462.0	14.39	273.94	3,221.6	138.9	-1,132.1	1,140.6	3.87	-3.78	-3.08	
3,525.0	13.01	273.03	3,282.8	139.8	-1,147.0	1,155.5	2.22	-2.19	-1.44	
3,589.0	11.86	273.14	3,345.3	140.5	-1,160.7	1,169.2	1.80	-1.80	0.17	
3,652.0	10.26	272.94	3,407.1	141.2	-1,172.8	1,181.3	2.54	-2.54	-0.32	
3,716.0	9.16	273.76	3,470.2	141.8	-1,183.6	1,192.0	1.73	-1.72	1.28	
3,780.0	8.01	273.20	3,533.5	142.4	-1,193.1	1,201.6	1.80	-1.80	-0.88	
3,843.0	6.74	272.17	3,595.9	142.8	-1,201.2	1,209.6	2.03	-2.02	-1.63	
3,907.0	5.60	268.94	3,659.6	142.8	-1,208.1	1,216.4	1.86	-1.78	-5.05	
3,938.0	4.90	270.68	3,690.4	142.8	-1,210.9	1,219.3	2.32	-2.26	5.61	
3,970.0	3.79	265.88	3,722.3	142.8	-1,213.3	1,221.7	3.65	-3.47	-15.00	
4,002.0	2.99	259.68	3,754.3	142.5	-1,215.2	1,223.5	2.75	-2.50	-19.38	
4,049.0	2.67	255.57	3,801.2	142.1	-1,217.5	1,225.7	0.81	-0.68	-8.74	
S.C. SRC #1B ICP										
4,105.0	2.29	255.57	3,857.2	141.5	-1,219.8	1,227.9	0.68	-0.68	0.00	
S.C. SRC #1B BHL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
S.C. SRC #1B ICP	0.00	0.00	3,814.0	154.8	-1,226.5	2,095,259.89	555,636.70	36° 45' 29.154 N	107° 38' 36.264 W	
- actual wellpath misses target center by 20.2ft at 4049.0ft MD (3801.2 TVD, 142.1 N, -1217.5 E)										
- Circle (radius 100.0)										
S.C. SRC #1B BHL	0.00	0.00	7,566.0	154.8	-1,226.5	2,095,259.89	555,636.70	36° 45' 29.154 N	107° 38' 36.264 W	
- actual wellpath misses target center by 3708.9ft at 4105.0ft MD (3857.2 TVD, 141.5 N, -1219.8 E)										
- Point										

Checked By: _____ Approved By: _____ Date: _____