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

☐ AMENDED REPORT

AS DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

RCVD JUN 28 '12
OIL CONS. DIV.
DIST. 3

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-30634	72319	BLANCO MESAVERDE

[4] Property Code	[5] Property Name	[6] Well Number
7460	SAN JUAN 28-5 UNIT	59N

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY, LP	6576'

[10] Surface Location

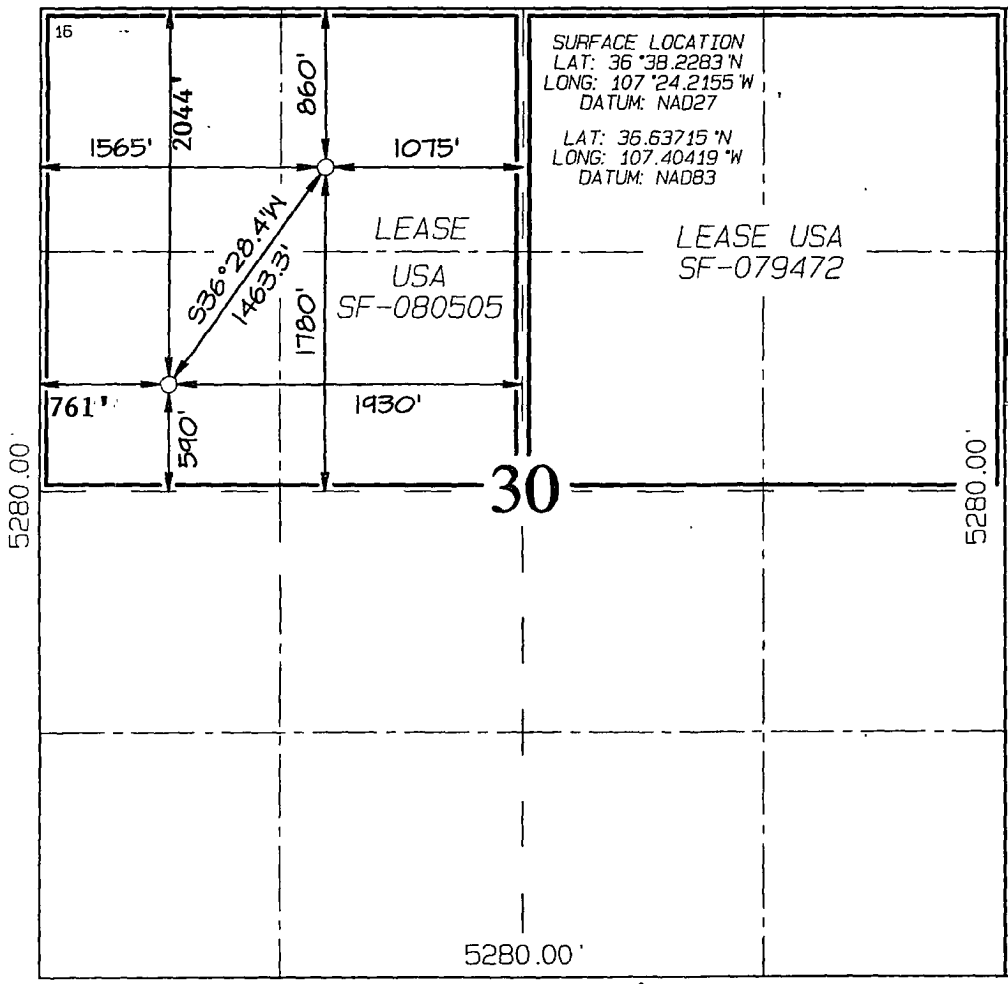
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	28N	5W		860	NORTH	1565	WEST	RIO ARRIBA

[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
E	30	28N	5W		2044'	NORTH	761'	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.0 Acres (N/2) - MV 320.0 Acres (N/2) - DK			

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



SURFACE LOCATION
LAT: 36°38.2283'N
LONG: 107°24.2155'W
DATUM: NAD27

LAT: 36.63715°N
LONG: 107.40419°W
DATUM: NAD83

[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.

Signature Date 6/27/12

Marie E. Jaramillo 6/27/12
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: MAY 16, 2008

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

AV

12

ConocoPhillips

COP Deviation Report

SAN JUAN 28-5 UNIT #59N

Operator	Legal WellName	API / UWI	County	State/Province
BURLINGTON RESOURCES OIL & GAS COMPANY LP	SAN JUAN 28-5 UNIT #59N	3003930634	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
030-028N-005W-C	860 00	FNL	1,565.00	FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
3/22/2012	130 00	0 50		Inc-WL	MO TE DRILLING INC
3/22/2012	239.00	0.50		Inc-WL	MO TE DRILLING INC
5/13/2012	276.00	0.31	320 87	IncAzi-MWD	Scientific Drilling
5/13/2012	306.00	0.88	287 58	IncAzi-MWD	Scientific Drilling
5/13/2012	337.00	0 87	230.86	IncAzi-MWD	Scientific Drilling
5/13/2012	368.00	1.34	228 35	IncAzi-MWD	Scientific Drilling
5/13/2012	399.00	2.09	222.17	IncAzi-MWD	Scientific Drilling
5/13/2012	429 00	2.80	219.98	IncAzi-MWD	Scientific Drilling
5/13/2012	459 00	3.42	218.93	IncAzi-MWD	Scientific Drilling
5/13/2012	490.00	4.47	218.55	IncAzi-MWD	Scientific Drilling
5/13/2012	520.00	4.91	219.49	IncAzi-MWD	Scientific Drilling
5/13/2012	551.00	5 70	220.06	IncAzi-MWD	Scientific Drilling
5/13/2012	581 00	6.55	218.36	IncAzi-MWD	Scientific Drilling
5/13/2012	612.00	7.32	217.14	IncAzi-MWD	Scientific Drilling
5/13/2012	643.00	8.27	218 02	IncAzi-MWD	Scientific Drilling
5/13/2012	673.00	8.86	217 63	IncAzi-MWD	Scientific Drilling
5/13/2012	704.00	9 66	217.20	IncAzi-MWD	Scientific Drilling
5/13/2012	735 00	10.16	215.43	IncAzi-MWD	Scientific Drilling
5/13/2012	766 00	10.73	214.28	IncAzi-MWD	Scientific Drilling
5/13/2012	797.00	11.40	213 81	IncAzi-MWD	Scientific Drilling
5/13/2012	828.00	12.10	213 64	IncAzi-MWD	Scientific Drilling
5/13/2012	858.00	12.65	213.23	IncAzi-MWD	Scientific Drilling
5/13/2012	889 00	13.17	213.46	IncAzi-MWD	Scientific Drilling
5/13/2012	920.00	13.96	214.10	IncAzi-MWD	Scientific Drilling
5/13/2012	951.00	14.89	213 99	IncAzi-MWD	Scientific Drilling
5/13/2012	982.00	15 85	214.17	IncAzi-MWD	Scientific Drilling
5/13/2012	1,013 00	16.30	214.11	IncAzi-MWD	Scientific Drilling
5/13/2012	1,044 00	16 79	214.92	IncAzi-MWD	Scientific Drilling
5/13/2012	1,075.00	17.22	214 09	IncAzi-MWD	Scientific Drilling
5/13/2012	1,107.00	17.99	214.69	IncAzi-MWD	Scientific Drilling
5/13/2012	1,138.00	18.43	213.50	IncAzi-MWD	Scientific Drilling
5/13/2012	1,170 00	19 09	216.23	IncAzi-MWD	Scientific Drilling
5/13/2012	1,201.00	19.68	215.28	IncAzi-MWD	Scientific Drilling
5/14/2012	1,233.00	20.62	217.30	IncAzi-MWD	Scientific Drilling
5/14/2012	1,265 00	21.21	217.50	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.

_____

Subcribed and sworn to me this _____

RCVD JUL 29'12
OIL CONS. DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Report Printed: 6/20/2012

ConocoPhillips

COP Deviation Report

SAN JUAN 28-5 UNIT #59N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
5/14/2012	1,296.00	21.78	217.37	IncAzi-MWD	Scientific Drilling
5/14/2012	1,328.00	22.18	217.47	IncAzi-MWD	Scientific Drilling
5/14/2012	1,360 00	22 81	218 83	IncAzi-MWD	Scientific Drilling
5/14/2012	1,392 00	23.81	218.79	IncAzi-MWD	Scientific Drilling
5/14/2012	1,423.00	24.44	219 47	IncAzi-MWD	Scientific Drilling
5/14/2012	1,455.00	24 56	219.05	IncAzi-MWD	Scientific Drilling
5/14/2012	1,519 00	25.29	219.10	IncAzi-MWD	Scientific Drilling
5/14/2012	1,582 00	26 10	218.02	IncAzi-MWD	Scientific Drilling
5/14/2012	1,646.00	26 52	218.14	IncAzi-MWD	Scientific Drilling
5/15/2012	1,709.00	26.55	218.91	IncAzi-MWD	Scientific Drilling
5/14/2012	1,772.00	25.97	217 51	IncAzi-MWD	Scientific Drilling
5/14/2012	1,836.00	25.90	217.69	IncAzi-MWD	Scientific Drilling
5/14/2012	1,899.00	25.63	215 49	IncAzi-MWD	Scientific Drilling
5/14/2012	1,963.00	25.16	215 77	IncAzi-MWD	Scientific Drilling
5/14/2012	2,026 00	23.85	214 38	IncAzi-MWD	Scientific Drilling
5/14/2012	2,090 00	23.72	214.44	IncAzi-MWD	Scientific Drilling
5/14/2012	2,152.00	23 75	213.44	IncAzi-MWD	Scientific Drilling
5/14/2012	2,216 00	23.96	213.11	IncAzi-MWD	Scientific Drilling
5/14/2012	2,279 00	24 74	212.78	IncAzi-MWD	Scientific Drilling
5/14/2012	2,343 00	24 76	211.43	IncAzi-MWD	Scientific Drilling
5/14/2012	2,406.00	24 68	212.85	IncAzi-MWD	Scientific Drilling
5/14/2012	2,470.00	24 63	213.39	IncAzi-MWD	Scientific Drilling
5/14/2012	2,533 00	25.42	214.57	IncAzi-MWD	Scientific Drilling
5/14/2012	2,596.00	25 92	213.62	IncAzi-MWD	Scientific Drilling
5/14/2012	2,659.00	25 40	214.82	IncAzi-MWD	Scientific Drilling
5/14/2012	2,722 00	26.10	215.79	IncAzi-MWD	Scientific Drilling
5/14/2012	2,785.00	26.52	215.83	IncAzi-MWD	Scientific Drilling
5/14/2012	2,849.00	25.98	215.80	IncAzi-MWD	Scientific Drilling
5/14/2012	2,912.00	25 33	216.37	IncAzi-MWD	Scientific Drilling
5/14/2012	2,975.00	26.02	216.39	IncAzi-MWD	Scientific Drilling
5/14/2012	3,038.00	26.11	215.45	IncAzi-MWD	Scientific Drilling
5/14/2012	3,101.00	26 48	215.00	IncAzi-MWD	Scientific Drilling
5/14/2012	3,165.00	26.50	214 44	IncAzi-MWD	Scientific Drilling
5/15/2012	3,228.00	26 64	214 61	IncAzi-MWD	Scientific Drilling
5/15/2012	3,292.00	25 80	213 48	IncAzi-MWD	Scientific Drilling
5/15/2012	3,355.00	25.35	212 18	IncAzi-MWD	Scientific Drilling
5/15/2012	3,418.00	23.97	211.00	IncAzi-MWD	Scientific Drilling
5/15/2012	3,481.00	23.47	210.25	IncAzi-MWD	Scientific Drilling
5/15/2012	3,545.00	22.11	210.20	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.

_____

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

ConocoPhillips

COP Deviation Report

SAN JUAN 28-5 UNIT #59N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
5/15/2012	3,608 00	21 13	209.16	IncAzi-MWD	Scientific Drilling
5/15/2012	3,672.00	21 34	208.98	IncAzi-MWD	Scientific Drilling
5/15/2012	3,735 00	21.41	208 75	IncAzi-MWD	Scientific Drilling
5/15/2012	3,798.00	20 98	208 47	IncAzi-MWD	Scientific Drilling
5/15/2012	3,861 00	19 60	206.42	IncAzi-MWD	Scientific Drilling
5/15/2012	3,924 00	18 28	209.91	IncAzi-MWD	Scientific Drilling
5/15/2012	3,988.00	16 68	209 81	IncAzi-MWD	Scientific Drilling
5/15/2012	4,052 00	15.35	209 58	IncAzi-MWD	Scientific Drilling
5/15/2012	4,115 00	14.04	209 82	IncAzi-MWD	Scientific Drilling
5/15/2012	4,178.00	13.06	209.46	IncAzi-MWD	Scientific Drilling
5/15/2012	4,242.00	11.74	209.41	IncAzi-MWD	Scientific Drilling
5/15/2012	4,304.00	10.81	207.92	IncAzi-MWD	Scientific Drilling
5/15/2012	4,367.00	9.90	207.38	IncAzi-MWD	Scientific Drilling
5/15/2012	4,431.00	9.50	208.43	IncAzi-MWD	Scientific Drilling
5/15/2012	4,494.00	8.69	212 36	IncAzi-MWD	Scientific Drilling
5/15/2012	4,558.00	6.14	219 88	IncAzi-MWD	Scientific Drilling
5/15/2012	4,621.00	5 20	222.15	IncAzi-MWD	Scientific Drilling
5/15/2012	4,684.00	4.14	210.81	IncAzi-MWD	Scientific Drilling
5/15/2012	4,753.00	3.73	207.07	IncAzi-MWD	Scientific Drilling
5/23/2012	6,264.00	1.00		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.

6-27-12

Subcribed and sworn to me this 6/27/12

Notary Public in and for San Juan County, New Mexico

My Commission expires 11/28/14

Report Printed: 6/20/2012

ConocoPhillips

ConocoPhillips

SJB (NM Central)
SEC 30-T28N-R5W
San Juan 28-5 Unit 59N

OH
API # 3003930634
Design: OH

Standard Survey Report

17 May, 2012

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

Notarized this date 17th of May, 2012.

Notary Signature
County of Natrona
State of Wyoming

NOTARY PUBLIC
CHRYSTAL D. WOLLERMAN
STATE OF WYOMING
COUNTY OF NATRONA
My Commission Expires Oct 20, 2013

Scientific Drilling

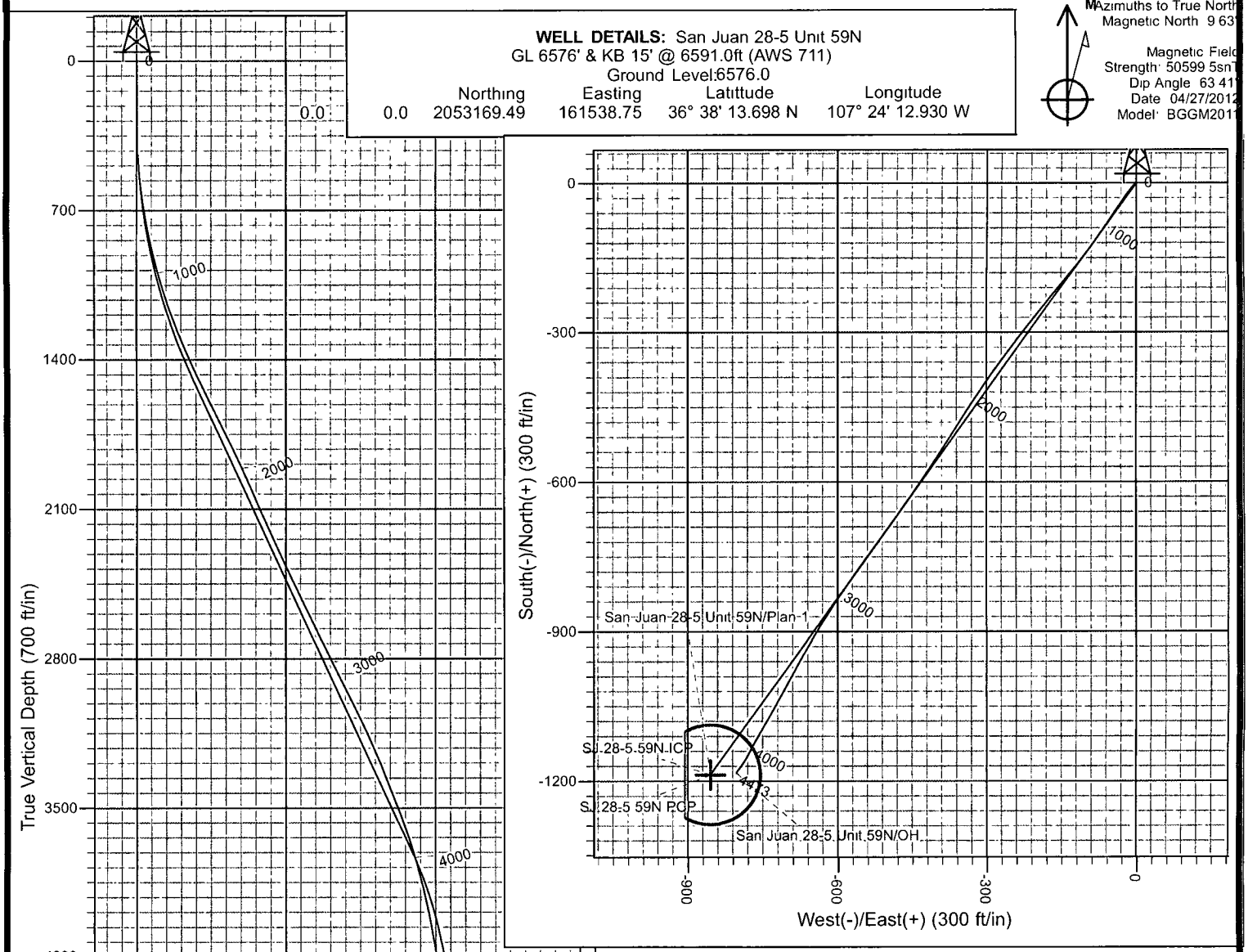
ConocoPhillips

Project: SJB (NM Central)
Site: SEC 30-T28N-R5W
Well: San Juan 28-5 Unit 59N
Wellbore: OH
Design: OH

Scientific Drilling
Directional Drilling Operations

WELL DETAILS: San Juan 28-5 Unit 59N
GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Ground Level:6576.0

	Northing	Easting	Latitude	Longitude
0.0	2053169.49	161538.75	36° 38' 13.698 N	107° 24' 12.930 W



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well San Juan 28-5 Unit 59N, True North
Vertical (TVD) Reference: GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-5 Unit 59N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6576' & KB 15' @ 6591 0ft (AWS 711)
Site:	SEC 30-T28N-R5W	**MD Reference:**	GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Well:	San Juan 28-5 Unit 59N	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.21 Single User Db

Project SJB (NM Central), 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 Central 3002		Using geodetic scale factor

Site SEC 30-T28N-R5W

Site Position:		**Northing:**	2,053,169 49 ft	**Latitude:**	36° 38' 13.698 N
From:	Lat/Long	**Easting:**	161,538.75 ft	**Longitude:**	107° 24' 12.930 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.69 °

Well San Juan 28-5 Unit 59N, 860' FNL 1565' FWL

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,053,169 49 ft	**Latitude:**	36° 38' 13.698 N
	+E/-W	0.0 ft	**Easting:**	161,538 75 ft	**Longitude:**	107° 24' 12 930 W
Position Uncertainty		0 0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,576.0 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	04/27/12	9 63	63.41	50,599

Design OH

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	215 77

Survey Program **Date** 05/17/12

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
276 0	4,753.0	Survey #1 (OH)	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
276.0	0.31	320 87	276.0	0.6	-0.5	-0.2	0.11	0 11	0.00
First SDI MWD Survey									
306 0	0.88	287.58	306.0	0.7	-0.7	-0 1	2 15	1 90	-110.97
337 0	0.87	230.86	337.0	0 6	-1.2	0 2	2.68	-0.03	-182.97
368.0	1 34	228.35	368 0	0.2	-1.6	0.7	1.52	1.52	-8 10
399.0	2.09	222.71	399.0	-0.4	-2.3	1.7	2.48	2.42	-18.19
429 0	2.80	219 98	428.9	-1 4	-3.1	2.9	2 40	2 37	-9.10
459 0	3.42	218.93	458.9	-2.6	-4 1	4.6	2 08	2.07	-3.50
490.0	4 47	218 55	489.8	-4 3	-5.5	6 7	3 39	3.39	-1 23
520.0	4 91	219.49	519.7	-6.2	-7 0	9 1	1.49	1.47	3.13
551.0	5 70	220.06	550.6	-8.4	-8.8	12.0	2.55	2.55	1 84
581 0	6.55	218 36	580 4	-10 9	-10.9	15.2	2 90	2.83	-5.67

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-5 Unit 59N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6576' & KB 15' @ 6591 0ft (AWS 711)
Site:	SEC 30-T28N-R5W	**MD Reference:**	GL 6576' & KB 15' @ 6591 0ft (AWS 711)
Well:	San Juan 28-5 Unit 59N	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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)
612.0	7 32	217.14	611.2	-13.8	-13.2	18.9	2.53	2 48	-3 94
643.0	8.27	218 02	641.9	-17.2	-15.7	23.1	3.09	3.06	2.84
673.0	8.86	217.63	671.6	-20.7	-18.5	27.6	1.98	1.97	-1 30
704.0	9.66	217 20	702.2	-24.7	-21.5	32.6	2.59	2.58	-1 39
735 0	10.16	215.43	732.7	-29.0	-24.7	37.9	1.89	1 61	-5.71
766 0	10.73	214.28	763.2	-33.6	-27.9	43.5	1.96	1 84	-3.71
797 0	11.40	213.81	793.6	-38.5	-31.2	49.5	2.18	2.16	-1 52
828.0	12.10	213.64	824.0	-43.8	-34.7	55.8	2.26	2.26	-0.55
858.0	12.65	213.23	853.3	-49.1	-38.2	62.2	1.86	1.83	-1.37
889.0	13.17	213.46	883.5	-54.9	-42.0	69.1	1.69	1.68	0.74
920.0	13.96	214.10	913.6	-61.0	-46.1	76.4	2.59	2.55	2.06
951.0	14.89	213.99	943.6	-67.4	-50.4	84.1	3.00	3.00	-0.35
982.0	15.85	214.17	973 5	-74.2	-55.0	92.3	3.10	3 10	0.58
1,013.0	16.30	214.11	1,003.3	-81.3	-59.8	100.9	1.45	1.45	-0.19
1,044.0	16.79	214.92	1,033.0	-88.5	-64.8	109.7	1 75	1.58	2.61
1,075.0	17.22	214.09	1,062.7	-96.0	-70 0	118.8	1.59	1.39	-2.68
1,107.0	17.99	214.69	1,093.2	-104.0	-75.4	128 5	2.47	2.41	1 88
1,138.0	18.43	213.50	1,122 6	-112.0	-80.9	138 2	1.86	1.42	-3.84
1,170.0	19 09	216 23	1,152.9	-120 5	-86 8	148.4	3 43	2.06	8.53
1,201.0	19 68	215 28	1,182 2	-128.8	-92.8	158 7	2.16	1 90	-3.06
1,233 0	20.62	217 30	1,212 2	-137.7	-99 3	169 8	3.65	2 94	6 31
1,265 0	21.21	217 50	1,242 1	-146.8	-106.2	181.2	1 86	1.84	0 63
1,296 0	21 78	217.37	1,271 0	-155 8	-113.1	192 5	1 85	1.84	-0.42
1,328.0	22.18	217 47	1,300.6	-165.3	-120.4	204.5	1 26	1 25	0.31
1,360.0	22 81	218 83	1,330.2	-174 9	-128.0	216.7	2 55	1 97	4.25
1,392.0	23 81	218.79	1,359.6	-184 8	-135.9	229.4	3 13	3 13	-0 13
1,423.0	24.44	219 47	1,387.9	-194 6	-143.9	242.0	2 22	2.03	2.19
1,455.0	24.56	219.05	1,417.0	-204.9	-152.3	255.3	0 66	0.38	-1.31
1,519.0	25.29	219.10	1,475.0	-225.8	-169.3	282.2	1.14	1.14	0.08
1,582.0	26.10	218.02	1,531.8	-247.2	-186.3	309.5	1.49	1.29	-1.71
1,646.0	26 52	218 14	1,589.2	-269.5	-203.8	337.8	0.66	0.66	0.19
1,709 0	26 55	218.91	1,645.5	-291.5	-221.4	365.9	0.55	0.05	1.22
1,772.0	25.97	217.51	1,702.0	-313.4	-238.6	393.8	1.35	-0.92	-2.22
1,836.0	25.90	217.69	1,759.6	-335.6	-255 7	421 8	0 16	-0 11	0.28
1,899 0	25.63	215 49	1,816.3	-357 6	-272 0	449 1	1 58	-0.43	-3 49
1,963.0	25.16	215 77	1,874 1	-379.9	-288 0	476 6	0.76	-0.73	0.44
2,026.0	23.85	214 38	1,931 5	-401.3	-303.0	502 7	2.27	-2 08	-2 21
2,090 0	23.72	214.44	1,990 0	-422 6	-317.6	528.5	0.21	-0.20	0.09
2,152.0	23.75	213 44	2,046 8	-443 3	-331.5	553.5	0.65	0 05	-1.61
2,216.0	23.96	213 11	2,105 3	-464.9	-345.7	579.3	0.39	0 33	-0 52
2,279.0	24.74	212.78	2,162.7	-486 7	-359.9	605.3	1.26	1.24	-0 52
2,343.0	24 76	211.43	2,220 8	-509 4	-374.1	632.0	0.88	0.03	-2.11
2,406.0	24.68	212.85	2,278 1	-531 7	-388.1	658.3	0.95	-0.13	2.25
2,470.0	24 63	213.39	2,336 2	-554 1	-402.7	685.0	0.36	-0.08	0.84
2,533.0	25.42	214.57	2,393 3	-576 2	-417.6	711.6	1 48	1.25	1.87
2,596.0	25 92	213 62	2,450 1	-598.8	-432.9	738 9	1 03	0.79	-1 51
2,659.0	25.40	214 82	2,506 9	-621.3	-448 2	766.1	1.17	-0 83	1.90
2,722 0	26.10	215.79	2,563.6	-643.7	-464 0	793.5	1.30	1 11	1.54
2,785 0	26.52	215.83	2,620.1	-666.3	-480.4	821.4	0.67	0.67	0.06
2,849.0	25.98	215.80	2,677.5	-689.3	-496 9	849 7	0.84	-0.84	-0.05
2,912.0	25.33	216.37	2,734.3	-711.3	-513 0	877 0	1.10	-1.03	0.90
2,975.0	26.02	216.39	2,791.1	-733.3	-529.2	904 3	1.10	1.10	0 03
3,038.0	26.11	215.45	2,847.7	-755.7	-545.4	932 0	0.67	0.14	-1.49
3,101.0	26 48	215.00	2,904.1	-778.5	-561.5	959.9	0.67	0.59	-0.71

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-5 Unit 59N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Site:	SEC 30-T28N-R5W	**MD Reference:**	GL 6576' & KB 15' @ 6591.0ft (AWS 711)
Well:	San Juan 28-5 Unit 59N	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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)
3,165 0	26 50	214.44	2,961 4	-802.0	-577 8	988 4	0.39	0 03	-0.88
3,228 0	26.64	214 61	3,017 8	-825.2	-593 8	1,016.6	0 25	0.22	0 27
3,292 0	25 80	213.48	3,075 2	-848 6	-609.6	1,044 9	1.53	-1.31	-1 77
3,355 0	25 35	212 18	3,132.0	-871 5	-624.3	1,072 0	1.14	-0.71	-2.06
3,418.0	23 97	211.00	3,189.3	-893 8	-638.1	1,098 2	2.33	-2.19	-1 87
3,481.0	23 47	210.25	3,246 9	-915 7	-651.0	1,123.5	0.93	-0 79	-1 19
3,545 0	22.11	210.20	3,305.9	-937.1	-663.5	1,148.2	2.13	-2.13	-0 08
3,608.0	21.13	209.16	3,364.5	-957 2	-675.0	1,171.2	1 67	-1 56	-1 65
3,672.0	21 34	208.98	3,424.2	-977.5	-686.3	1,194.3	0 34	0 33	-0.28
3,735.0	21.41	208 75	3,482 8	-997.6	-697 4	1,217.1	0 17	0.11	-0 37
3,798.0	20 98	208 47	3,541 6	-1,017.6	-708.3	1,239.7	0 70	-0 68	-0.44
3,861.0	19 60	206 42	3,600.7	-1,037.0	-718 3	1,261 3	2 46	-2.19	-3.25
3,924.0	18 28	209.91	3,660 3	-1,055 0	-728.0	1,281 5	2.76	-2.10	5.54
3,988 0	16.68	209.81	3,721 3	-1,071.7	-737 5	1,300 6	2.50	-2.50	-0.16
4,052 0	15.35	209.58	3,782 8	-1,087.0	-746.3	1,318 2	2.08	-2 08	-0 36
4,115.0	14 04	209.82	3,843.7	-1,100 9	-754.2	1,334 1	2.08	-2 08	0.38
4,178.0	13.06	209.46	3,905.0	-1,113 7	-761.5	1,348 8	1 56	-1 56	-0.57
4,242 0	11.74	209.41	3,967.5	-1,125.7	-768.3	1,362.4	2.06	-2.06	-0.08
4,304.0	10.81	207 92	4,028.3	-1,136.3	-774 1	1,374.5	1 57	-1 50	-2 40
4,367.0	9 90	207.38	4,090 3	-1,146.4	-779 3	1,385 7	1 45	-1.44	-0.86
4,431 0	9 50	208.43	4,153 4	-1,155.9	-784 4	1,396 4	0.68	-0.63	1 64
4,494 0	8.69	212.36	4,215 6	-1,164.5	-789 4	1,406 3	1 62	-1 29	6 24
4,558.0	6.14	219.88	4,279.0	-1,171 2	-794.2	1,414 5	4 25	-3 98	11.75
4,621 0	5.20	222.15	4,341.7	-1,175 9	-798.3	1,420.7	1.53	-1.49	3 60
4,684.0	4.14	210.81	4,404.5	-1,180 0	-801.3	1,425.8	2.22	-1 68	-18 00
4,753.0	3.73	207.07	4,473 3	-1,184.1	-803.6	1,430 5	0.70	-0.59	-5 42
Last SDI MWD Survey									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
276.0	276 0	0.6	-0 5	First SDI MWD Survey
4,753.0	4,473 3	-1,184.1	-803 6	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____