District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-31105	71599/72319/97232	basin dakota/blanco mesaverde/basin mancos

4 Property Code	5 Property Name	6 Well Number
7452	SAN JUAN 27-4 UNIT	56N

7 OGRID No.	8 Operator Name	9 Elevation
14538	BURLINGTON RESOURCES OIL AND GAS COMPANY LP	6799

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
K	21	27-N	4-W		1791	SOUTH	1360	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
F	21	27-N	4-W		1903'	NORTH	1352'	WEST	RIO ARRIBA

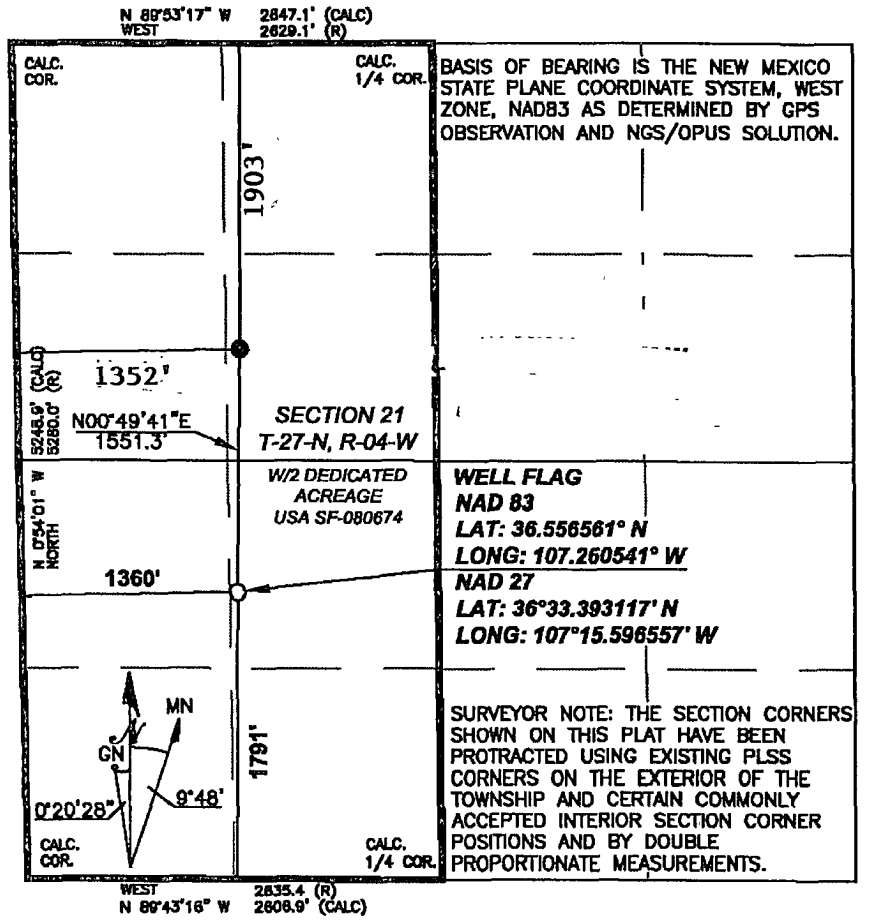
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
W/2(320)			

RCVD SEP 4'12
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



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

Marie Jaramillo 8/31/12

Printed Name

Staff Reg Tech

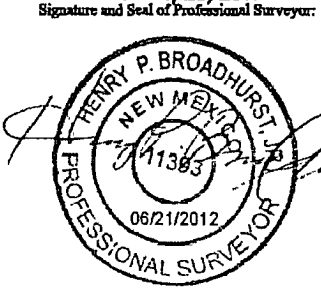
E-mail Address

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: 04/28/2010

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

AV

ConocoPhillips

COP Deviation Report

SAN JUAN 27-4 UNIT #56N

Operator	Legal WellName	API / UWI	County	State/Province
BURLINGTON RESOURCES OIL & GAS COMPANY LP	SAN JUAN 27-4 UNIT #56N	3003931105	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
021-027N-004W-K	1,791.00	FSL	1,360.00	FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
6/26/2012	130 00	1.00		Inc-WL	Mo Te Drilling Inc
6/26/2012	231.00	2.00		Inc-WL	Mo Te Drilling Inc
7/1/2012	245.00	1.98	319.68	IncAzi-MWD	Scientific Drilling
7/1/2012	307.00	2.37	343.20	IncAzi-MWD	Scientific Drilling
7/1/2012	369.00	3 21	7.10	IncAzi-MWD	Scientific Drilling
7/1/2012	431.00	4.88	15.38	IncAzi-MWD	Scientific Drilling
7/1/2012	492.00	6 54	15.87	IncAzi-MWD	Scientific Drilling
7/1/2012	553.00	8 81	14 99	IncAzi-MWD	Scientific Drilling
7/1/2012	613 00	10.75	15 60	IncAzi-MWD	Scientific Drilling
7/1/2012	675.00	12.61	18.86	IncAzi-MWD	Scientific Drilling
7/1/2012	737.00	13.91	19 52	IncAzi-MWD	Scientific Drilling
7/1/2012	798.00	15.59	19.75	IncAzi-MWD	Scientific Drilling
7/1/2012	860.00	17 55	20.22	IncAzi-MWD	Scientific Drilling
7/1/2012	920.00	19 52	19.65	IncAzi-MWD	Scientific Drilling
7/1/2012	982.00	21 58	18.49	IncAzi-MWD	Scientific Drilling
7/1/2012	1,043.00	23 65	17.52	IncAzi-MWD	Scientific Drilling
7/1/2012	1,107.00	25 32	16.64	IncAzi-MWD	Scientific Drilling
7/2/2012	1,170.00	26 24	14 61	IncAzi-MWD	Scientific Drilling
7/2/2012	1,234.00	26.49	13.46	IncAzi-MWD	Scientific Drilling
7/2/2012	1,297.00	26.69	11 09	IncAzi-MWD	Scientific Drilling
7/2/2012	1,360.00	26 68	6 70	IncAzi-MWD	Scientific Drilling
7/2/2012	1,424.00	26 93	3.21	IncAzi-MWD	Scientific Drilling
7/2/2012	1,487.00	27 56	0 41	IncAzi-MWD	Scientific Drilling
7/2/2012	1,550.00	26 55	356.99	IncAzi-MWD	Scientific Drilling
7/2/2012	1,614.00	26 24	352.63	IncAzi-MWD	Scientific Drilling
7/2/2012	1,677.00	27 04	351.42	IncAzi-MWD	Scientific Drilling
7/2/2012	1,740.00	25 65	348.65	IncAzi-MWD	Scientific Drilling
7/2/2012	1,804.00	25 22	347.73	IncAzi-MWD	Scientific Drilling
7/2/2012	1,867.00	23 24	348.25	IncAzi-MWD	Scientific Drilling
7/2/2012	1,930.00	23 54	348 68	IncAzi-MWD	Scientific Drilling
7/2/2012	1,994.00	24.10	348 40	IncAzi-MWD	Scientific Drilling
7/2/2012	2,057.00	23 93	347.91	IncAzi-MWD	Scientific Drilling
7/3/2012	2,120.00	23 81	347.53	IncAzi-MWD	Scientific Drilling
7/4/2012	2,183.00	23 81	346.84	IncAzi-MWD	Scientific Drilling
7/5/2012	2,247.00	23 94	348.26	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 _____

Report Printed: 8/31/2012

ConocoPhillips

COP Deviation Report

SAN JUAN 27-4 UNIT #56N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
7/6/2012	2,310.00	24 13	351 03	IncAzi-MWD	Scientific Drilling
7/2/2012	2,373.00	24.53	352.20	IncAzi-MWD	Scientific Drilling
7/2/2012	2,436.00	24.27	353 92	IncAzi-MWD	Scientific Drilling
7/2/2012	2,499.00	23.80	355 83	IncAzi-MWD	Scientific Drilling
7/2/2012	2,562.00	24.53	358.48	IncAzi-MWD	Scientific Drilling
7/2/2012	2,626.00	24.98	359.88	IncAzi-MWD	Scientific Drilling
7/2/2012	2,690 00	24.96	2.52	IncAzi-MWD	Scientific Drilling
7/2/2012	2,753.00	24.77	2.70	IncAzi-MWD	Scientific Drilling
7/2/2012	2,817.00	24 69	2.13	IncAzi-MWD	Scientific Drilling
7/2/2012	2,880 00	24.97	3 09	IncAzi-MWD	Scientific Drilling
7/2/2012	2,943.00	24.90	2.80	IncAzi-MWD	Scientific Drilling
7/2/2012	3,006 00	25 25	2.26	IncAzi-MWD	Scientific Drilling
7/3/2012	3,070.00	26 08	1.85	IncAzi-MWD	Scientific Drilling
7/3/2012	3,132.00	25.64	3.05	IncAzi-MWD	Scientific Drilling
7/5/2012	3,196.00	25.31	3 46	IncAzi-MWD	Scientific Drilling
7/3/2012	3,259.00	25.17	2.46	IncAzi-MWD	Scientific Drilling
7/3/2012	3,322.00	25.11	1.79	IncAzi-MWD	Scientific Drilling
7/3/2012	3,386.00	25.67	0.98	IncAzi-MWD	Scientific Drilling
7/3/2012	3,449.00	25.85	1.27	IncAzi-MWD	Scientific Drilling
7/3/2012	3,515 00	26.24	0.92	IncAzi-MWD	Scientific Drilling
7/4/2012	3,576 00	26.56	359.48	IncAzi-MWD	Scientific Drilling
7/4/2012	3,639.00	25.94	358.05	IncAzi-MWD	Scientific Drilling
7/4/2012	3,702.00	25.78	356.49	IncAzi-MWD	Scientific Drilling
7/4/2012	3,766.00	25.68	354.50	IncAzi-MWD	Scientific Drilling
7/4/2012	3,829.00	24.92	352.00	IncAzi-MWD	Scientific Drilling
7/4/2012	3,893.00	25.23	348.94	IncAzi-MWD	Scientific Drilling
7/5/2012	3,956.00	23.13	348.13	IncAzi-MWD	Scientific Drilling
7/5/2012	4,019.00	22.41	349.68	IncAzi-MWD	Scientific Drilling
7/5/2012	4,083 00	20.68	351.23	IncAzi-MWD	Scientific Drilling
7/5/2012	4,146.00	18.71	353.08	IncAzi-MWD	Scientific Drilling
7/5/2012	4,210 00	16.05	354.26	IncAzi-MWD	Scientific Drilling
7/5/2012	4,273.00	14.12	355.07	IncAzi-MWD	Scientific Drilling
7/5/2012	4,336.00	12.51	354.31	IncAzi-MWD	Scientific Drilling
7/5/2012	4,399 00	10.62	354.56	IncAzi-MWD	Scientific Drilling
7/5/2012	4,462.00	8.53	356.08	IncAzi-MWD	Scientific Drilling
7/5/2012	4,526.00	6.41	359.22	IncAzi-MWD	Scientific Drilling
7/5/2012	4,589.00	5.40	6.53	IncAzi-MWD	Scientific Drilling
7/5/2012	4,652.00	4.64	14 41	IncAzi-MWD	Scientific Drilling
7/5/2012	4,716.00	4.23	16 01	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 27-4 UNIT #56N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
7/5/2012	4,779 00	3.78	10.83	IncAzi-MWD	Scientific Drilling
7/5/2012	4,801 00	3 81	11.64	IncAzi-MWD	Scientific Drilling
7/5/2012	4,855 00	3.88	13 63	Projection	Scientific Drilling
7/16/2012	4,856.00	6 00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	4,888.00	7 00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	4,920.00	7 00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	4,952.00	7 00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	4,958.00	7 00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	4,984.00	7.00		Inc-MWD	Aztec Well Servicing Co Inc
7/16/2012	5,010.00	10.00		Inc-Drop	Aztec Well Servicing Co Inc
7/18/2012	5,500.00	1 00		Inc-MWD	Aztec Well Servicing Co Inc
7/18/2012	6,000.00	1 00		Inc-MWD	Aztec Well Servicing Co Inc
7/19/2012	6,500.00	1 00		Inc-MWD	Aztec Well Servicing Co Inc
7/19/2012	7,000.00	1 00		Inc-MWD	Aztec Well Servicing Co Inc
7/21/2012	7,500.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
7/21/2012	8,000.00	1 00		Inc-MWD	Aztec Well Servicing Co Inc
7/22/2012	8,430.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc

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.

Ben Tolman

Subcribed and sworn to me this 8/31/12

Notary Public in and for San Juan County, New Mexico

My Commission expires

ConocoPhillips

ConocoPhillips

SJB (NM Central)
SEC 21-T27N-R4W
San Juan 27-4 Unit 56N

OH

API# 3003931105

Design: OH

Standard Survey Report

23 July, 2012

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

Notarized this date 23rd of July, 2012.

Chrystal D Wollerman

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

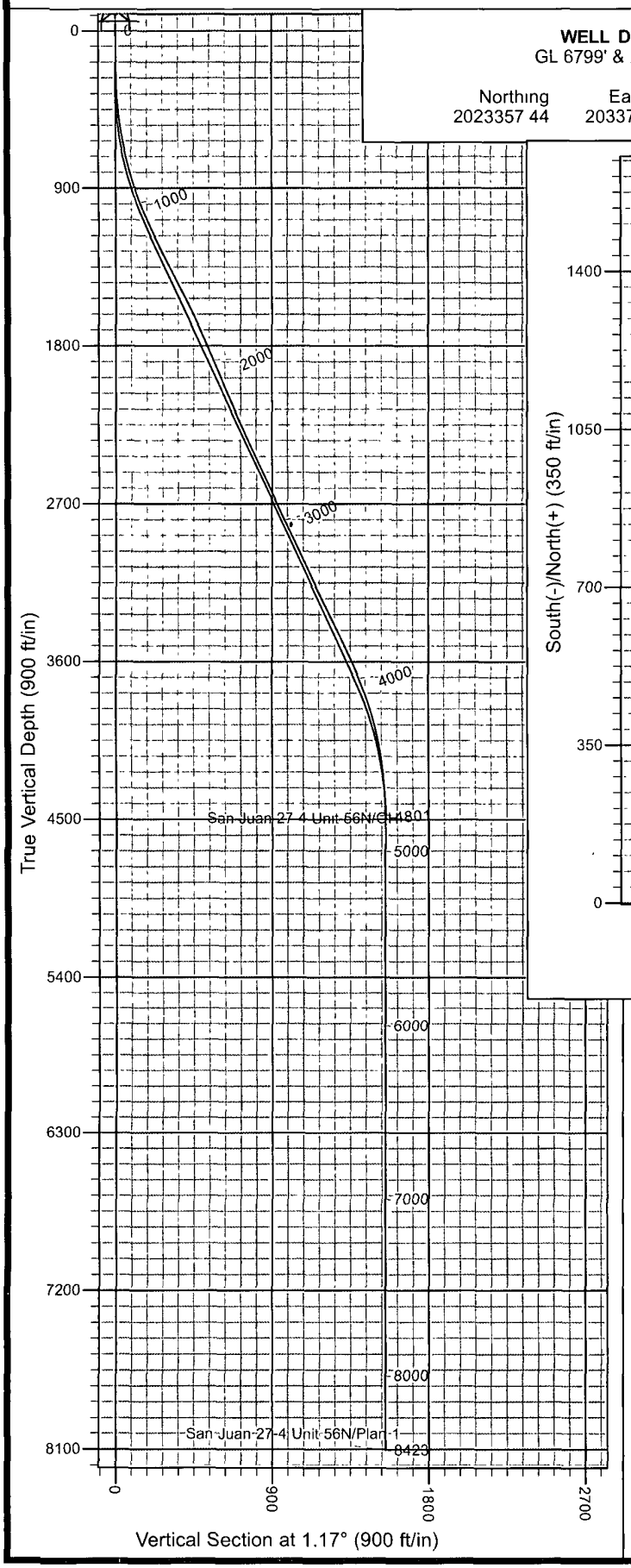
Project: SJB (NM Central)
Site: SEC 21-T27N-R4W
Well: San Juan 27-4 Unit 56N
Wellbore: OH
Design: OH

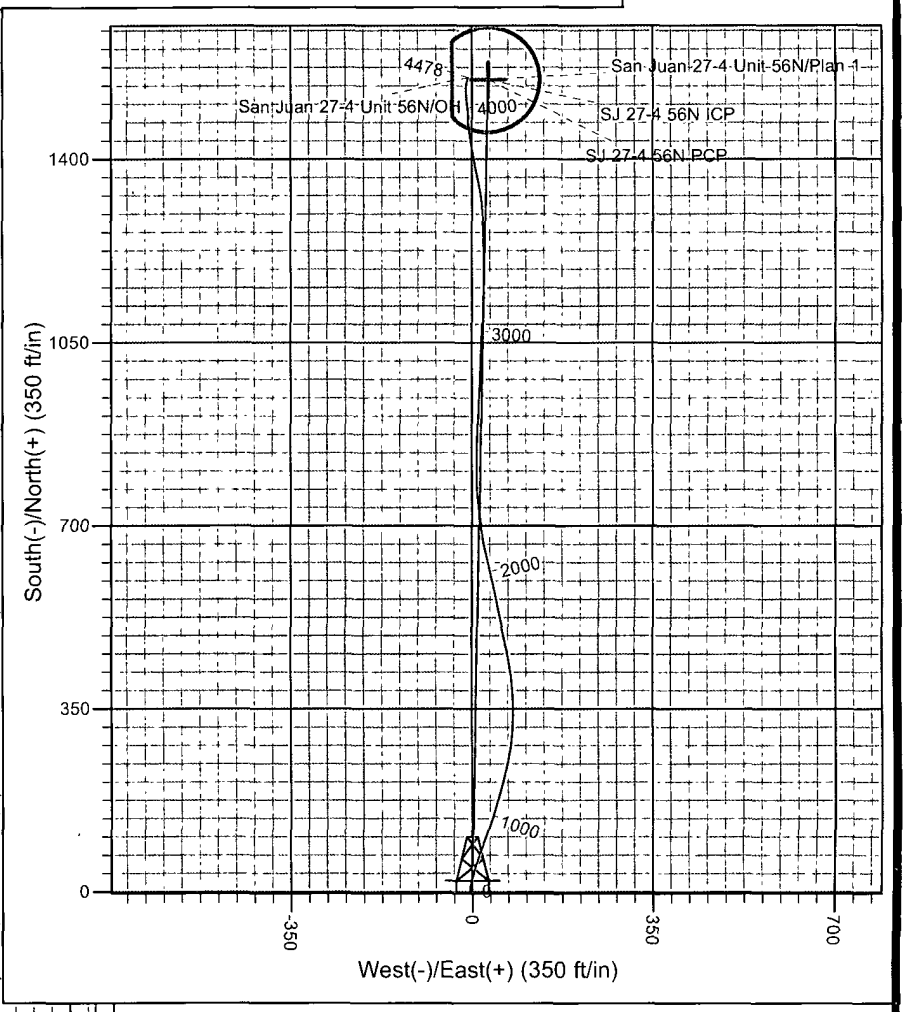
Scientific Drilling
Directional Drilling Operations

WELL DETAILS: San Juan 27-4 Unit 56N
GL 6799' & KB 15' @ 6814.0ft (AWS 711)
Ground Level:6799.0

Northing	Easting	Latitude	Longitude
2023357 44	203378.13	36° 33' 23.587 N	107° 15' 35.793 W

Azimuths to True North
Magnetic North 9 58°
Magnetic Field
Strength 50545 9snT
Dip Angle 63 36°
Date 2012/06/29
Model BGGM2012





REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well San Juan 27-4 Unit 56N, True North
Vertical (TVD) Reference: GL 6799' & KB 15' @ 6814.0ft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6799' & KB 15' @ 6814.0ft (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 27-4 Unit 56N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6799' & KB 15' @ 6814.0ft (AWS 711)
Site:	SEC 21-T27N-R4W	**MD Reference:**	GL 6799' & KB 15' @ 6814 0ft (AWS 711)
Well:	San Juan 27-4 Unit 56N	**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 21-T27N-R4W

Site Position:		**Northing:**	2,023,357 44 ft	**Latitude:**	36° 33' 23 587 N
From:	Lat/Long	**Easting:**	203,378 13 ft	**Longitude:**	107° 15' 35.793 W
Position Uncertainty:	0 0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.60 °

Well San Juan 27-4 Unit 56N, 1791' FSL 1360' FWL

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,023,357.44 ft	**Latitude:**	36° 33' 23 587 N
	+E/-W	0.0 ft	**Easting:**	203,378.13 ft	**Longitude:**	107° 15' 35 793 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,799.0 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	2012/06/29	9.58	63.36	50,546

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	1.17

Survey Program **Date** 2012/07/23

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
245 0	4,801.0	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
245 0	1.98	319 68	245.0	3.2	-2.7	3 2	0 81	0.81	0.00
First SDI MWD Survey									
307 0	2.37	343.20	306.9	5.3	-3.8	5.2	1.56	0.63	37 94
369.0	3 21	7.10	368.8	8 2	-4.0	8 1	2.29	1.35	38.55
431.0	4 88	15.38	430.7	12.5	-3.0	12 4	2.85	2 69	13 35
492 0	6 54	15 87	491.4	18.3	-1 4	18.3	2 72	2.72	0 80
553 0	8.81	14 99	551 8	26 2	0 8	26.2	3.73	3.72	-1 44
613 0	10.75	15.60	610 9	36 0	3.4	36 1	3 24	3.23	1 02
675 0	12.61	18.86	671.7	48 0	7 2	48 1	3 18	3 00	5 26
737.0	13.91	19.52	732 0	61.4	11 9	61 6	2.11	2.10	1.06
798 0	15 59	19.75	791.0	76.0	17 1	76 4	2 76	2.75	0.38
860.0	17 55	20.22	850 4	92.7	23.1	93.1	3 17	3.16	0 76

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 27-4 Unit 56N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6799' & KB 15' @ 6814.0ft (AWS 711)
Site:	SEC 21-T27N-R4W	**MD Reference:**	GL 6799' & KB 15' @ 6814 0ft (AWS 711)
Well:	San Juan 27-4 Unit 56N	**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)
920.0	19.52	19.65	907.3	110.6	29 6	111 2	3.30	3.28	-0.95
982.0	21.58	18 49	965 4	131.2	36.7	131 9	3 39	3 32	-1.87
1,043 0	23 65	17.52	1,021.7	153 5	44.0	154 3	3.45	3.39	-1.59
1,107 0	25 32	16 64	1,079.9	178.8	51 8	179 8	2.67	2.61	-1.38
1,170 0	26 24	14 61	1,136 6	205 2	59.1	206.4	2 02	1 46	-3.22
1,234 0	26 49	13.46	1,194 0	232 8	66 0	234.1	0 89	0.39	-1 80
1,297.0	26.69	11 09	1,250.3	260.3	72.0	261 7	1.71	0 32	-3 76
1,360 0	26.68	6.70	1,306 6	288.3	76.4	289 8	3.13	-0 02	-6.97
1,424 0	26 93	3.21	1,363 7	317 0	78 9	318.6	2 49	0.39	-5 45
1,487.0	27.56	0 41	1,419.8	345.8	79.8	347 4	2.27	1 00	-4 44
1,550 0	26 55	356.99	1,475 9	374 5	79 1	376.0	2.94	-1 60	-5.43
1,614.0	26 24	352.63	1,533.2	402 8	76 6	404.3	3.07	-0.48	-6.81
1,677.0	27.04	351 42	1,589.5	430 8	72.7	432.1	1.53	1.27	-1 92
1,740.0	25 65	348.65	1,646.0	458.3	67 8	459.6	2.94	-2 21	-4 40
1,804.0	25.22	347.73	1,703 8	485.2	62 2	486.4	0.91	-0 67	-1 44
1,867.0	23 24	348 25	1,761.2	510 5	56.8	511.5	3.16	-3.14	0 83
1,930.0	23.54	348 68	1,819.0	535.0	51.8	535.9	0.55	0.48	0.68
1,994 0	24 10	348.40	1,877 6	560.3	46.7	561 2	0.89	0.88	-0 44
2,057 0	23 93	347 91	1,935 1	585 4	41.4	586.1	0.42	-0.27	-0.78
2,120.0	23.81	347 53	1,992.7	610.3	36 0	610 9	0.31	-0.19	-0.60
2,183 0	23.81	346.84	2,050 4	635.1	30.4	635 6	0.44	0.00	-1.10
2,247.0	23 94	348.26	2,108.9	660 4	24 8	660.8	0.92	0.20	2.22
2,310.0	24 13	351.03	2,166.4	685.6	20.2	685.9	1 82	0.30	4.40
2,373 0	24.53	352 20	2,223 8	711.3	16 4	711.5	0.99	0.63	1 86
2,436 0	24.27	353.92	2,281 2	737.2	13 2	737.3	1.20	-0.41	2.73
2,499.0	23 80	355.83	2,338.8	762 7	10.9	762.8	1.44	-0.75	3.03
2,562.0	24.53	358 48	2,396 2	788.5	9 7	788 5	2.08	1.16	4 21
2,626.0	24.98	359.88	2,454.4	815.3	9.3	815 3	1.15	0.70	2.19
2,690.0	24.96	2.52	2,512 4	842 3	9 9	842.3	1.74	-0.03	4 13
2,753 0	24.77	2 70	2,569.5	868.7	11.1	868.8	0.32	-0.30	0.29
2,817.0	24.69	2 13	2,627.7	895.5	12 2	895.5	0.39	-0.13	-0 89
2,880.0	24 97	3.09	2,684 8	921 9	13.4	922.0	0.78	0 44	1 52
2,943 0	24.90	2 80	2,742.0	948 4	14.8	948.5	0 22	-0.11	-0.46
3,006.0	25 25	2 26	2,799 0	975.1	15.9	975 2	0.66	0 56	-0.86
3,070.0	26 08	1.85	2,856 7	1,002 8	16.9	1,002 9	1.33	1.30	-0 64
3,132 0	25.64	3.05	2,912.5	1,029.8	18.1	1,030.0	1.10	-0.71	1 94
3,196.0	25.31	3 46	2,970.3	1,057.3	19 6	1,057 5	0.58	-0 52	0.64
3,259.0	25.17	2.46	3,027 3	1,084 1	21.0	1,084.3	0.71	-0.22	-1 59
3,322.0	25.11	1 79	3,084 3	1,110 9	22 0	1,111.1	0.46	-0.10	-1.06
3,386 0	25.67	0.98	3,142.1	1,138.3	22 7	1,138 5	1.03	0.88	-1.27
3,449 0	25.85	1.27	3,198.9	1,165 7	23.2	1,165 9	0.35	0.29	0.46
3,515.0	26 24	0.92	3,258.2	1,194 7	23 8	1,194.9	0 64	0.59	-0.53
3,576.0	26.56	359 48	3,312 8	1,221.8	23 9	1,222.0	1.17	0.52	-2.36
3,639.0	25 94	358 05	3,369.3	1,249.6	23 3	1,249.8	1.41	-0.98	-2 27
3,702.0	25.78	356 49	3,426 0	1,277.1	22.0	1,277.3	1.11	-0.25	-2.48
3,766.0	25 68	354.50	3,483.6	1,304.8	19 8	1,304.9	1.36	-0.16	-3.11
3,829.0	24 92	352.00	3,540.6	1,331.5	16 6	1,331.6	2.08	-1.21	-3.97
3,893.0	25 23	348.94	3,598.6	1,358 2	12 1	1,358.2	2.08	0.48	-4 78
3,956.0	23 13	348.13	3,656 0	1,383.5	7.0	1,383.4	3.37	-3.33	-1.29
4,019.0	22 41	349 68	3,714.1	1,407.5	2.3	1,407 2	1.49	-1.14	2.46
4,083.0	20 68	351.23	3,773 7	1,430.6	-1 6	1,430 3	2.85	-2.70	2.42
4,146.0	18.71	353.08	3,833 0	1,451.7	-4.5	1,451.3	3.28	-3.13	2 94
4,210.0	16.05	354 26	3,894 0	1,470.7	-6.6	1,470 2	4.19	-4 16	1 84
4,273.0	14 12	355 07	3,954.9	1,487 0	-8.2	1,486 5	3.08	-3.06	1.29

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 27-4 Unit 56N
Project:	SJB (NM Central)	**TVD Reference:**	GL 6799' & KB 15' @ 6814 0ft (AWS 711)
Site:	SEC 21-T27N-R4W	**MD Reference:**	GL 6799' & KB 15' @ 6814 0ft (AWS 711)
Well:	San Juan 27-4 Unit 56N	**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)
4,336.0	12.51	354.31	4,016.2	1,501 4	-9 5	1,500.9	2.57	-2 56	-1 21
4,399.0	10.62	354.56	4,077 9	1,514.0	-10 7	1,513 5	3.00	-3 00	0.40
4,462.0	8 53	356.08	4,140.0	1,524.4	-11.6	1,523.9	3 34	-3.32	2.41
4,526.0	6.41	359 22	4,203.5	1,532.7	-12.0	1,532.2	3.37	-3.31	4.91
4,589 0	5.40	6 53	4,266.1	1,539 2	-11.7	1,538 6	2 00	-1.60	11.60
4,652 0	4.64	14 41	4,328 9	1,544.6	-10 7	1,544.1	1.63	-1 21	12.51
4,716 0	4.23	16.01	4,392.7	1,549 4	-9.4	1,548.9	0.67	-0.64	2 50
4,779 0	3.78	10.83	4,455.5	1,553 7	-8.4	1,553 2	0.92	-0.71	-8.22
4,801 0	3 81	11 64	4,477.5	1,555.1	-8.1	1,554.6	0.28	0 14	3.68
Last SDI MWD Survey									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
245.0	245.0	3.2	-2 7	First SDI MWD Survey
4,801.0	4,477.5	1,555.1	-8 1	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____