DISTRICT I
1625 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

AS DRILLED PLAT

Form C-102
Revised July 16, 2010
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-31093	71599/72319	BLANCO BASIN DAKOTA / MESA VERDE

[4] Property Code	[5] Property Name	[6] Well Number
38932	SAN JUAN 28-7 UNIT COM	298

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	CONOCOPHILLIPS COMPANY	6690

[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	27	27 N	7 W		1124	NORTH	1821	WEST	RIO ARRIBA

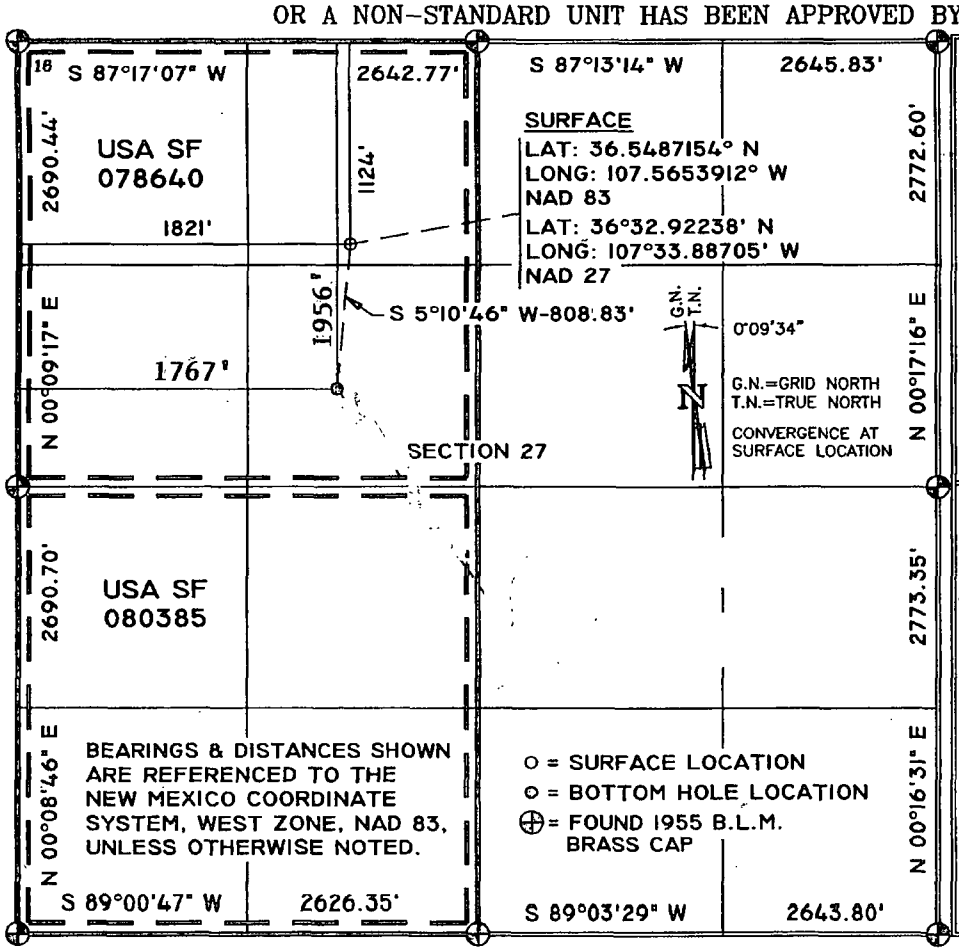
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	27 N	7 W		1956'	NORTH	1767'	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	Order No.
320.00 (W/2)			

RCVD FEB 13 '13
OIL CONS. DIV.
DIST. 3

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.

Arleen White 2/12/13
Signature Date

Arleen White
Printed Name

arleen.r.white@conocophillips.com
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.

04/12/11
Date of Survey

Signature and Seal of Professional Surveyor

MARSHALL W. LINDEEN
NEW MEXICO
4-26-11
17078
PROFESSIONAL SURVEYOR

17078
Certificate Number

ConocoPhillips

COP Deviation Report

SAN JUAN 28-7 UNIT COM #298

RCVD FEB 13 '13
OIL CONS. DIV.
DIST. 3

Operator	Legal WellName	API / UWI	County	State/Province
CONOCOPHILLIPS COMPANY	SAN JUAN 28-7 UNIT COM #298	3003931093	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
027-027N-007W-C	1,124.00	FNL	1,821.00	FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/3/2012	128.00	0.50	0.00	Inc-Drop	Mo Te Drilling Inc
10/3/2012	248.00	0.75	0.00	Inc-Drop	Mo Te Drilling Inc
10/3/2012	355.00	2.00	0.00	Inc-Drop	Mo Te Drilling Inc
12/8/2012	394.00	0.93	58.72	IncAzi-MWD	Scientific Drilling
12/8/2012	456.00	1.07	132.24	IncAzi-MWD	Scientific Drilling
12/9/2012	517.00	2.35	160.66	IncAzi-MWD	Scientific Drilling
12/9/2012	578.00	4.20	172.77	IncAzi-MWD	Scientific Drilling
12/9/2012	641.00	5.26	182.42	IncAzi-MWD	Scientific Drilling
12/9/2012	702.00	6.48	185.12	IncAzi-MWD	Scientific Drilling
12/9/2012	762.00	7.66	190.02	IncAzi-MWD	Scientific Drilling
12/9/2012	823.00	8.73	188.16	IncAzi-MWD	Scientific Drilling
12/9/2012	886.00	9.90	186.24	IncAzi-MWD	Scientific Drilling
12/9/2012	950.00	11.41	186.77	IncAzi-MWD	Scientific Drilling
12/9/2012	1,013.00	13.19	189.23	IncAzi-MWD	Scientific Drilling
12/9/2012	1,107.00	15.44	192.71	IncAzi-MWD	Scientific Drilling
12/9/2012	1,170.00	16.91	191.23	IncAzi-MWD	Scientific Drilling
12/9/2012	1,202.00	16.67	190.46	IncAzi-MWD	Scientific Drilling
12/9/2012	1,265.00	18.47	187.85	IncAzi-MWD	Scientific Drilling
12/9/2012	1,328.00	19.35	186.91	IncAzi-MWD	Scientific Drilling
12/9/2012	1,391.00	19.24	185.98	IncAzi-MWD	Scientific Drilling
12/9/2012	1,454.00	20.02	186.25	IncAzi-MWD	Scientific Drilling
12/9/2012	1,518.00	19.85	185.76	IncAzi-MWD	Scientific Drilling
12/9/2012	1,581.00	19.90	185.14	IncAzi-MWD	Scientific Drilling
12/9/2012	1,644.00	19.79	184.77	IncAzi-MWD	Scientific Drilling
12/9/2012	1,707.00	19.89	185.67	IncAzi-MWD	Scientific Drilling
12/9/2012	1,770.00	20.74	185.65	IncAzi-MWD	Scientific Drilling
12/9/2012	1,833.00	21.06	184.69	IncAzi-MWD	Scientific Drilling
12/9/2012	1,896.00	20.49	184.19	IncAzi-MWD	Scientific Drilling
12/9/2012	1,960.00	20.36	183.26	IncAzi-MWD	Scientific Drilling
12/9/2012	2,023.00	20.44	184.09	IncAzi-MWD	Scientific Drilling
12/9/2012	2,046.00	20.46	183.76	IncAzi-MWD	Scientific Drilling
12/9/2012	2,150.00	20.26	183.41	IncAzi-MWD	Scientific Drilling
12/9/2012	2,213.00	20.39	183.45	IncAzi-MWD	Scientific Drilling
12/9/2012	2,276.00	20.63	183.73	IncAzi-MWD	Scientific Drilling
12/9/2012	2,347.00	20.85	183.94	IncAzi-MWD	Scientific Drilling
12/10/2012	2,403.00	21.07	182.45	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: 1/10/2013

ConocoPhillips

COP Deviation Report

SAN JUAN 28-7 UNIT COM #298

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
12/10/2012	2,466.00	21.55	182.55	IncAzi-MWD	Scientific Drilling
12/10/2012	2,530.00	21.56	180.36	IncAzi-MWD	Scientific Drilling
12/10/2012	2,593.00	21.36	177.43	IncAzi-MWD	Scientific Drilling
12/10/2012	2,657.00	20.44	172.43	IncAzi-MWD	Scientific Drilling
12/10/2012	2,784.00	17.85	174.42	IncAzi-MWD	Scientific Drilling
12/10/2012	2,848.00	16.52	178.92	IncAzi-MWD	Scientific Drilling
12/11/2012	2,911.00	15.39	182.34	IncAzi-MWD	Scientific Drilling
12/11/2012	3,038.00	13.40	182.65	IncAzi-MWD	Scientific Drilling
12/11/2012	3,101.00	11.63	187.86	IncAzi-MWD	Scientific Drilling
12/11/2012	3,165.00	11.00	187.26	IncAzi-MWD	Scientific Drilling
12/11/2012	3,228.00	10.93	187.67	IncAzi-MWD	Scientific Drilling
12/11/2012	3,292.00	10.82	187.50	IncAzi-MWD	Scientific Drilling
12/11/2012	3,355.00	9.51	186.86	IncAzi-MWD	Scientific Drilling
12/11/2012	3,419.00	7.67	184.74	IncAzi-MWD	Scientific Drilling
12/11/2012	3,482.00	6.06	182.30	IncAzi-MWD	Scientific Drilling
12/11/2012	3,545.00	4.37	182.87	IncAzi-MWD	Scientific Drilling
12/11/2012	3,608.00	2.72	183.52	IncAzi-MWD	Scientific Drilling
12/11/2012	3,671.00	1.19	182.35	IncAzi-MWD	Scientific Drilling
12/11/2012	3,734.00	0.76	185.92	IncAzi-MWD	Scientific Drilling
12/11/2012	3,797.00	0.78	170.89	IncAzi-MWD	Scientific Drilling
12/11/2012	3,860.00	0.64	183.09	IncAzi-MWD	Scientific Drilling
12/11/2012	3,923.00	0.67	181.82	IncAzi-MWD	Scientific Drilling
12/11/2012	3,986.00	0.81	182.68	IncAzi-MWD	Scientific Drilling
12/11/2012	4,049.00	0.64	184.21	IncAzi-MWD	Scientific Drilling
12/11/2012	4,113.00	0.71	186.22	IncAzi-MWD	Scientific Drilling
12/11/2012	4,176.00	0.64	178.28	IncAzi-MWD	Scientific Drilling
12/11/2012	4,239.00	0.78	178.52	IncAzi-MWD	Scientific Drilling
12/11/2012	4,302.00	0.76	193.76	IncAzi-MWD	Scientific Drilling
12/11/2012	4,365.00	0.63	193.33	IncAzi-MWD	Scientific Drilling
12/11/2012	4,429.00	0.66	195.32	IncAzi-MWD	Scientific Drilling
12/11/2012	4,492.00	0.69	205.11	IncAzi-MWD	Scientific Drilling
12/12/2012	4,555.00	0.67	204.76	IncAzi-MWD	Scientific Drilling
12/12/2012	4,618.00	0.66	202.98	IncAzi-MWD	Scientific Drilling
12/12/2012	4,681.00	0.75	199.67	IncAzi-MWD	Scientific Drilling
12/12/2012	4,744.00	0.77	202.26	IncAzi-MWD	Scientific Drilling
12/12/2012	4,808.00	0.84	206.62	IncAzi-MWD	Scientific Drilling
12/12/2012	4,871.00	0.90	210.41	IncAzi-MWD	Scientific Drilling
12/12/2012	4,934.00	0.93	205.75	IncAzi-MWD	Scientific Drilling
12/12/2012	4,997.00	1.03	200.56	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 28-7 UNIT COM #298

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
12/12/2012	5,048.00	1.14	200.97	IncAzi-MWD	Scientific Drilling
12/12/2012	5,103.00	1.14	200.97	Projection	Scientific Drilling
12/14/2012	5,122.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/14/2012	5,122.00	1.00	0.00	Inc-MWD	Aztec Well Servicing Co Inc
12/15/2012	5,765.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/15/2012	6,127.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/15/2012	6,588.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/16/2012	7,141.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/16/2012	7,602.00	1.00	0.00	Inc-MWD	TELE-DRIFT
12/16/2012	7,691.00	1.00	0.00	Inc-MWD	TELE-DRIFT

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.

Subcribed and sworn to me this 1/10/13

Arleen White

Notary Public in and for San Juan County, New Mexico

My Commission expires: 5/26/15

Report Printed: 1/10/2013

ConocoPhillips

ConocoPhillips

SJB (NM Central)
SEC 27-T27N-R07W
San Juan 28-7 Unit Com 298

OH

30-039-31093

Design: OH

Standard Survey Report

14 December, 2012

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

Notarized this date 14th of December, 2012.

LeAudra Stanley
Notary Signature
County of Mesa
State of Colorado

NOTARY PUBLIC
LEAUDRA STANLEY
STATE OF COLORADO

My Commission Expires 12/5/2016

Scientific Drilling

ConocoPhillips

Project: SJB (NM Central)
Site: SEC 27-T27N-R7W
Well: San Juan 28-7 Unit Com 298
Wellbore: OH
Design: OH

Scientific Drilling

WELL DETAILS: San Juan 28-7 Unit Com 298

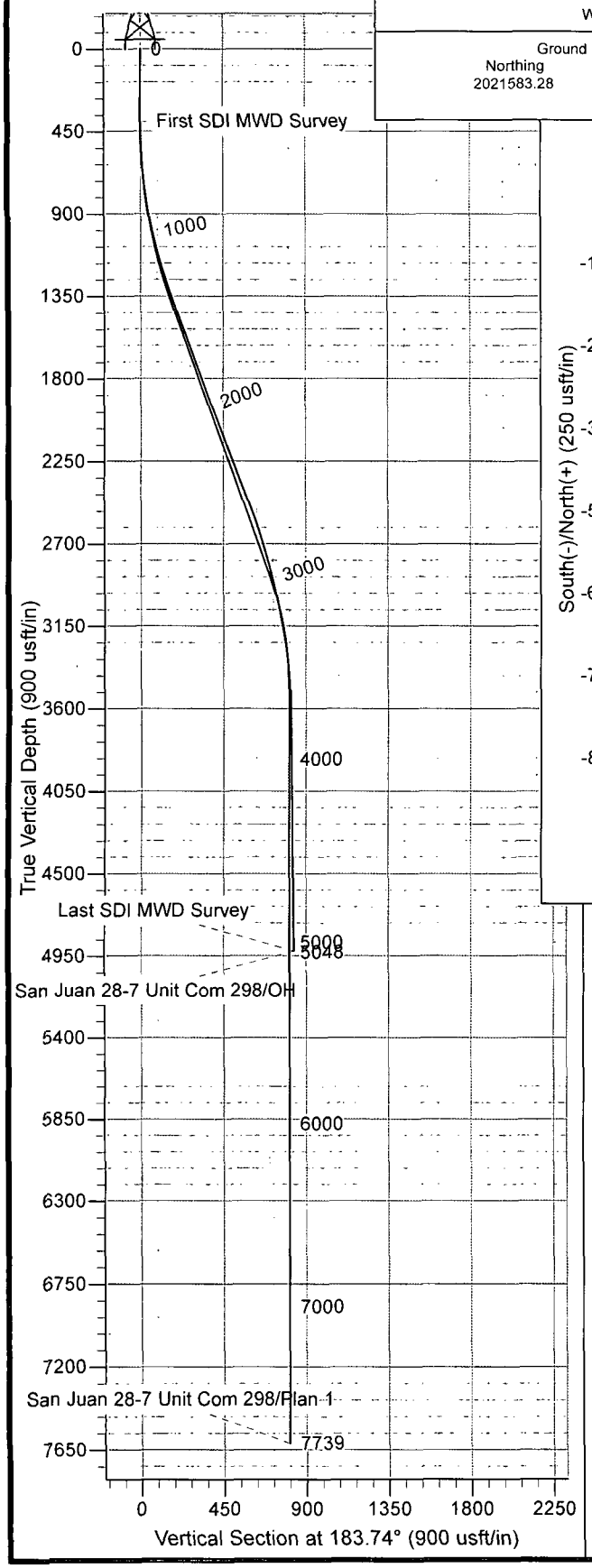
Ground Level: GL 6690' & KB 15' @ 6705.0usft (AWS 920)

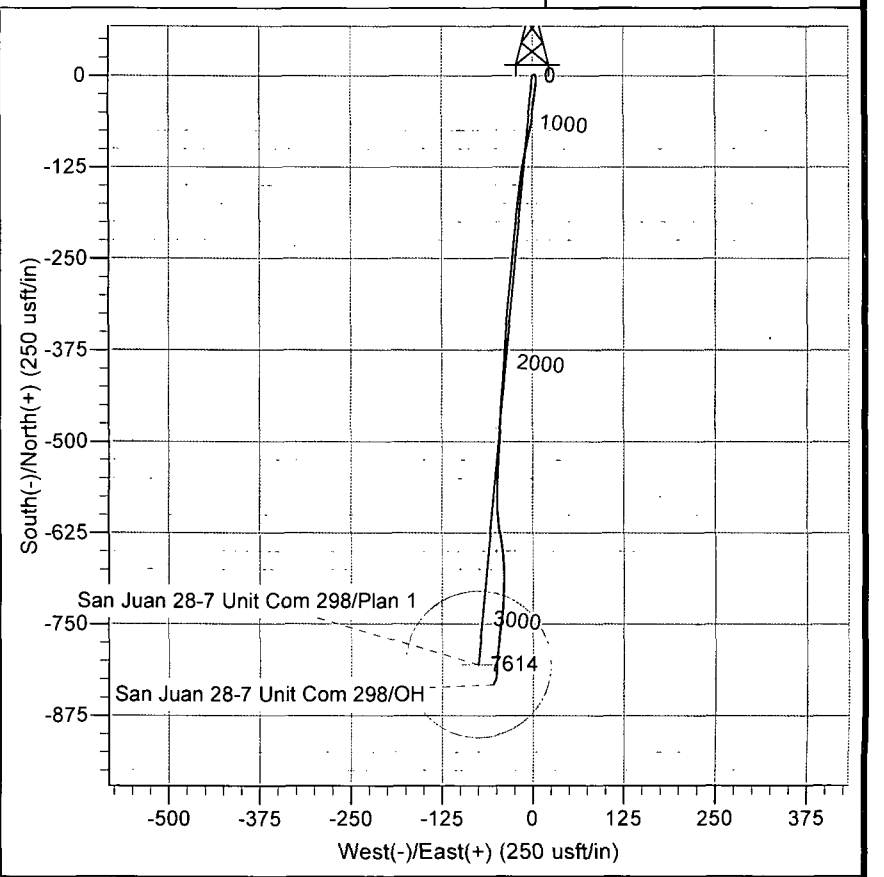
Northing	Easting	Latitude	Longitude
2021583.28	113802.48	36° 32' 55.343 N	107° 33' 53.223 W

T M

Azimuths to True North
Magnetic North: 9.65°

Magnetic Field
Strength: 50448.4snT
Dip Angle: 63.28°
Date: 12/03/2012
Model: BGGM2012





REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 28-7 Unit Com 298, True North
Vertical (TVD) Reference: GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Calculation Method: Minimum Curvature
Local North: True

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

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-7 Unit Com 298
Project:	SJB (NM Central)	**TVD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Site:	SEC 27-T27N-R7W	**MD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Well:	San Juan 28-7 Unit Com 298	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Farmington 5000 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 27-T27N-R7W

Site Position:		**Northing:**	2,076,530.51 usft	**Latitude:**	36° 41' 58.902 N
From:	Lat/Long	**Easting:**	116,124.83 usft	**Longitude:**	107° 33' 33.948 W
Position Uncertainty:	15.0 usft	**Slot Radius:**	6-1/8 "	**Grid Convergence:**	-0.78 °

Well San Juan 28-7 Unit Com 298, 1124' FNL 1821' FWL

Well Position	**+N/-S**	0.0 usft	**Northing:**	2,021,583.27 usft	**Latitude:**	36° 32' 55.343 N
	+E/-W	0.0 usft	**Easting:**	113,802.48 usft	**Longitude:**	107° 33' 53.223 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,690.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	12/03/12	9.65	63.28	50,448

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	183.74

Survey Program **Date** 12/14/12

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
394.0	5,048.0	Survey #1 - MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
394.0	0.93	58.72	394.0	1.7	2.7	-1.8	0.24	0.24	0.00
First SDI MWD Survey									
456.0	1.07	132.24	456.0	1.5	3.6	-1.8	1.94	0.23	118.58
517.0	2.35	160.66	516.9	0.0	4.4	-0.3	2.46	2.10	46.59
578.0	4.20	172.77	577.8	-3.4	5.1	3.1	3.22	3.03	19.85
641.0	5.26	182.42	640.6	-8.6	5.3	8.2	2.10	1.68	15.32
702.0	6.48	185.12	701.3	-14.8	4.9	14.5	2.05	2.00	4.43
762.0	7.66	190.02	760.9	-22.1	3.9	21.8	2.21	1.97	8.17
823.0	8.73	188.16	821.2	-30.7	2.5	30.5	1.81	1.75	-3.05
886.0	9.90	186.24	883.4	-40.8	1.2	40.7	1.92	1.86	-3.05

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-7 Unit Com 298
Project:	SJB (NM Central)	**TVD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Site:	SEC 27-T27N-R7W	**MD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Well:	San Juan 28-7 Unit Com 298	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Farmington 5000 DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
950.0	11.41	186.77	946.3	-52.6	-0.1	52.5	2.36	2.36	0.83
1,013.0	13.19	189.23	1,007.8	-65.9	-2.0	65.9	2.94	2.83	3.90
1,107.0	15.44	192.71	1,098.9	-88.7	-6.5	88.9	2.56	2.39	3.70
1,170.0	16.91	191.23	1,159.4	-105.8	-10.1	106.3	2.42	2.33	-2.35
1,202.0	16.67	190.46	1,190.1	-114.9	-11.8	115.4	1.02	-0.75	-2.41
1,265.0	18.47	187.85	1,250.1	-133.7	-14.8	134.4	3.12	2.86	-4.14
1,328.0	19.35	186.91	1,309.7	-153.9	-17.5	154.8	1.48	1.40	-1.49
1,391.0	19.24	185.98	1,369.2	-174.6	-19.8	175.5	0.52	-0.17	-1.48
1,454.0	20.02	186.25	1,428.5	-195.7	-22.1	196.7	1.25	1.24	0.43
1,518.0	19.85	185.76	1,488.7	-217.4	-24.3	218.5	0.37	-0.27	-0.77
1,581.0	19.90	185.14	1,547.9	-238.7	-26.4	239.9	0.34	0.08	-0.98
1,644.0	19.79	184.77	1,607.2	-260.0	-28.2	261.3	0.27	-0.17	-0.59
1,707.0	19.89	185.67	1,666.5	-281.3	-30.2	282.7	0.51	0.16	1.43
1,770.0	20.74	185.65	1,725.5	-303.1	-32.3	304.5	1.35	1.35	-0.03
1,833.0	21.06	184.69	1,784.4	-325.4	-34.3	327.0	0.74	0.51	-1.52
1,896.0	20.49	184.19	1,843.3	-347.7	-36.1	349.3	0.95	-0.90	-0.79
1,960.0	20.36	183.26	1,903.3	-370.0	-37.5	371.7	0.55	-0.20	-1.45
2,023.0	20.44	184.09	1,962.3	-391.9	-38.9	393.6	0.48	0.13	1.32
2,086.0	20.46	183.76	2,021.3	-413.9	-40.4	415.6	0.19	0.03	-0.52
2,150.0	20.26	183.41	2,081.3	-436.1	-41.8	437.9	0.37	-0.31	-0.55
2,213.0	20.39	183.45	2,140.4	-457.9	-43.1	459.8	0.21	0.21	0.06
2,276.0	20.63	183.73	2,199.4	-480.0	-44.5	481.9	0.41	0.38	0.44
2,340.0	20.71	183.98	2,259.3	-502.5	-46.0	504.4	0.19	0.13	0.39
2,403.0	21.07	182.45	2,318.2	-524.9	-47.3	526.9	1.04	0.57	-2.43
2,466.0	21.55	182.55	2,376.9	-547.8	-48.3	549.8	0.76	0.76	0.16
2,530.0	21.56	180.36	2,436.4	-571.3	-48.9	573.3	1.26	0.02	-3.42
2,593.0	21.36	177.43	2,495.0	-594.4	-48.5	596.2	1.73	-0.32	-4.65
2,657.0	20.44	172.43	2,554.8	-617.1	-46.5	618.8	3.13	-1.44	-7.81
2,720.0	18.07	170.94	2,614.3	-637.6	-43.5	639.1	3.84	-3.76	-2.37
2,784.0	17.85	174.42	2,675.2	-657.2	-41.0	658.5	1.71	-0.34	5.44
2,848.0	16.52	178.92	2,736.3	-676.1	-39.8	677.2	2.94	-2.08	7.03
2,911.0	15.39	182.34	2,796.9	-693.4	-40.0	694.5	2.33	-1.79	5.43
2,975.0	14.61	180.48	2,858.7	-709.9	-40.4	711.1	1.43	-1.22	-2.91
3,038.0	13.40	182.65	2,919.8	-725.2	-40.8	726.3	2.09	-1.92	3.44
3,101.0	11.63	187.86	2,981.3	-738.7	-42.0	739.9	3.33	-2.81	8.27
3,165.0	11.00	187.26	3,044.1	-751.2	-43.7	752.4	1.00	-0.98	-0.94
3,228.0	10.93	187.67	3,105.9	-763.1	-45.2	764.4	0.17	-0.11	0.65
3,292.0	10.82	187.50	3,168.8	-775.0	-46.8	776.5	0.18	-0.17	-0.27
3,355.0	9.51	186.86	3,230.8	-786.1	-48.2	787.5	2.09	-2.08	-1.02
3,419.0	7.67	184.74	3,294.1	-795.6	-49.2	797.1	2.92	-2.88	-3.31
3,482.0	6.06	182.30	3,356.6	-803.1	-49.7	804.6	2.60	-2.56	-3.87
3,545.0	4.37	182.87	3,419.4	-808.8	-49.9	810.4	2.68	-2.68	0.90
3,608.0	2.72	183.52	3,482.2	-812.7	-50.2	814.2	2.62	-2.62	1.03

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well San Juan 28-7 Unit Com 298
Project:	SJB (NM Central)	**TVD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Site:	SEC 27-T27N-R7W	**MD Reference:**	GL 6690' & KB 15' @ 6705.0usft (AWS 920)
Well:	San Juan 28-7 Unit Com 298	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Farmington 5000 DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,671.0	1.19	182.35	3,545.2	-814.9	-50.3	816.4	2.43	-2.43	-1.86
3,734.0	0.76	185.92	3,608.2	-815.9	-50.3	817.5	0.69	-0.68	5.67
3,797.0	0.78	170.89	3,671.2	-816.8	-50.3	818.3	0.32	0.03	-23.86
3,860.0	0.64	183.09	3,734.2	-817.5	-50.3	819.1	0.33	-0.22	19.37
3,923.0	0.67	181.82	3,797.2	-818.3	-50.3	819.8	0.05	0.05	-2.02
3,986.0	0.81	182.68	3,860.2	-819.1	-50.3	820.6	0.22	0.22	1.37
4,049.0	0.64	184.21	3,923.2	-819.9	-50.4	821.4	0.27	-0.27	2.43
4,113.0	0.71	186.22	3,987.2	-820.6	-50.5	822.2	0.12	0.11	3.14
4,176.0	0.64	178.28	4,050.2	-821.4	-50.5	822.9	0.19	-0.11	-12.60
4,239.0	0.78	178.52	4,113.2	-822.1	-50.5	823.7	0.22	0.22	0.38
4,302.0	0.76	193.76	4,176.1	-823.0	-50.5	824.5	0.33	-0.03	24.19
4,365.0	0.63	193.33	4,239.1	-823.7	-50.7	825.3	0.21	-0.21	-0.68
4,429.0	0.66	195.32	4,303.1	-824.4	-50.9	826.0	0.06	0.05	3.11
4,492.0	0.69	205.11	4,366.1	-825.1	-51.2	826.7	0.19	0.05	15.54
4,555.0	0.67	204.76	4,429.1	-825.8	-51.5	827.4	0.03	-0.03	-0.56
4,618.0	0.66	202.58	4,492.1	-826.4	-51.8	828.1	0.04	-0.02	-3.46
4,681.0	0.75	199.67	4,555.1	-827.2	-52.1	828.8	0.15	0.14	-4.62
4,744.0	0.77	202.26	4,618.1	-828.0	-52.4	829.6	0.06	0.03	4.11
4,808.0	0.84	206.62	4,682.1	-828.8	-52.7	830.4	0.15	0.11	6.81
4,871.0	0.90	210.41	4,745.1	-829.6	-53.2	831.3	0.13	0.10	6.02
4,934.0	0.93	205.75	4,808.1	-830.5	-53.7	832.2	0.13	0.05	-7.40
4,997.0	1.03	200.56	4,871.1	-831.5	-54.1	833.2	0.21	0.16	-8.24
5,048.0	1.14	200.97	4,922.1	-832.4	-54.4	834.2	0.22	0.22	0.80

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
394.0	394.0	1.7	2.7	First SDI MWD Survey
5,048.0	4,922.1	-832.4	-54.4	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____