RCVD AUG 1'12
OIL CONS. DIV.
DIST. 3

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 July 16, 2010
Submit one copy to appropriate District Office

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-35330	72319/97232/71599	BLANCO MESAVERDE/BASIN MANCOS/BASIN DAKOTA

4 Property Code	5 Property Name	6 Well Number
38765	STEWART LS	8N

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6317

10

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	28	30-N	10-W	10	1599	NORTH	1788	WEST	SAN JUAN

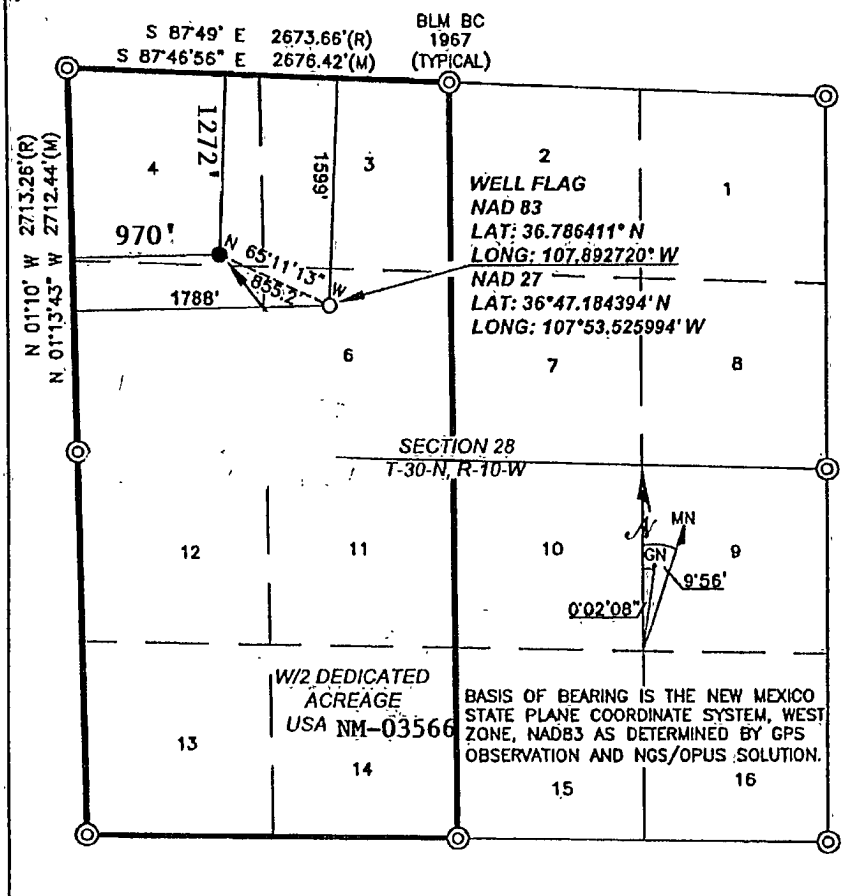
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	30-N	10-W	4	1272'	NORTH	970'	WEST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
W/2(326.64)			

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

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 7/30/12

Marie E. Jaramillo 7/30/12
Printed Name

Staff Regulatory 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: 9/21/2011
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST, JR. NEW MEXICO 11393 PROFESSIONAL SURVEYOR

Certificate Number: NM 11393

AV

ConocoPhillips

COP Deviation Report

STEWART LS #8N

Operator	Legal WellName	API / UWI	County	State/Province
CONOCOPHILLIPS COMPANY	STEWART LS #8N	3004535330	SAN JUAN	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
028-030N-010W-F	1,599 00	FNL	1,788.00	FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/4/2012	130.00	0.50		Inc-WL	Mo Te Drilling Inc
4/4/2012	250.00	0.50		Inc-WL	Mo Te Drilling Inc
4/4/2012	361 00	0.50		Inc-WL	Mo Te Drilling Inc
4/21/2012	388 00	0.38	223.37	IncAzi-MWD	Scientific Drilling
4/21/2012	418 00	0 17	180.41	IncAzi-MWD	Scientific Drilling
4/21/2012	449 00	0 81	269.76	IncAzi-MWD	Scientific Drilling
4/21/2012	480.00	1 16	284.14	IncAzi-MWD	Scientific Drilling
4/21/2012	510.00	2 08	286 94	IncAzi-MWD	Scientific Drilling
4/21/2012	541.00	2 62	287 05	IncAzi-MWD	Scientific Drilling
4/21/2012	571.00	3.29	287 30	IncAzi-MWD	Scientific Drilling
4/21/2012	602 00	4.09	291.86	IncAzi-MWD	Scientific Drilling
4/21/2012	632 00	4.85	291 21	IncAzi-MWD	Scientific Drilling
4/21/2012	663 00	5.49	296.08	IncAzi-MWD	Scientific Drilling
4/21/2012	693 00	5.41	295.15	IncAzi-MWD	Scientific Drilling
4/21/2012	724.00	5.98	293.54	IncAzi-MWD	Scientific Drilling
4/21/2012	754.00	6.64	297.26	IncAzi-MWD	Scientific Drilling
4/21/2012	784 00	6.59	298.41	IncAzi-MWD	Scientific Drilling
4/21/2012	815.00	7.14	292.81	IncAzi-MWD	Scientific Drilling
4/21/2012	849 00	8 08	292.72	IncAzi-MWD	Scientific Drilling
4/21/2012	881.00	8 77	293.56	IncAzi-MWD	Scientific Drilling
4/21/2012	914.00	9 32	294.31	IncAzi-MWD	Scientific Drilling
4/21/2012	946.00	9 84	293.65	IncAzi-MWD	Scientific Drilling
4/21/2012	1,010.00	11 31	297.14	IncAzi-MWD	Scientific Drilling
4/21/2012	1,075.00	13.01	295.51	IncAzi-MWD	Scientific Drilling
4/21/2012	1,139 00	14.45	294.59	IncAzi-MWD	Scientific Drilling
4/21/2012	1,204 00	15 38	294.68	IncAzi-MWD	Scientific Drilling
4/21/2012	1,268 00	15 96	294.68	IncAzi-MWD	Scientific Drilling
4/21/2012	1,333 00	17 43	295.33	IncAzi-MWD	Scientific Drilling
4/21/2012	1,397.00	18 75	297.14	IncAzi-MWD	Scientific Drilling
4/21/2012	1,462 00	19.56	297.20	IncAzi-MWD	Scientific Drilling
4/21/2012	1,526 00	20 83	298.03	IncAzi-MWD	Scientific Drilling
4/22/2012	1,591 00	21.62	297.15	IncAzi-MWD	Scientific Drilling
4/22/2012	1,655 00	22 05	297.00	IncAzi-MWD	Scientific Drilling
4/22/2012	1,720 00	22.04	296.22	IncAzi-MWD	Scientific Drilling
4/22/2012	1,784 00	21.86	295.53	IncAzi-MWD	Scientific Drilling
4/22/2012	1,849 00	21.53	295.74	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: 7/31/2012

ConocoPhillips

COP Deviation Report

STEWART LS #8N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/22/2012	1,913.00	22.03	295 29	IncAzi-MWD	Scientific Drilling
4/22/2012	1,978.00	22.10	293 92	IncAzi-MWD	Scientific Drilling
4/22/2012	2,042.00	21.99	293 02	IncAzi-MWD	Scientific Drilling
4/22/2012	2,106 00	22.14	293 07	IncAzi-MWD	Scientific Drilling
4/22/2012	2,171.00	21.75	291.26	IncAzi-MWD	Scientific Drilling
4/22/2012	2,235 00	22 07	291.08	IncAzi-MWD	Scientific Drilling
4/22/2012	2,300 00	22.08	291 15	IncAzi-MWD	Scientific Drilling
4/22/2012	2,364 00	21 67	291 50	IncAzi-MWD	Scientific Drilling
4/22/2012	2,429 00	21.48	292 34	IncAzi-MWD	Scientific Drilling
4/22/2012	2,493.00	21 46	292 16	IncAzi-MWD	Scientific Drilling
4/22/2012	2,558.00	22.16	293 18	IncAzi-MWD	Scientific Drilling
4/22/2012	2,623.00	22.09	293.71	IncAzi-MWD	Scientific Drilling
4/22/2012	2,687.00	21.68	295 66	IncAzi-MWD	Scientific Drilling
4/22/2012	2,752 00	21.46	295 50	IncAzi-MWD	Scientific Drilling
4/22/2012	2,816.00	20.31	294.45	IncAzi-MWD	Scientific Drilling
4/22/2012	2,880.00	19.27	294.51	IncAzi-MWD	Scientific Drilling
4/23/2012	2,945.00	18.48	292.24	IncAzi-MWD	Scientific Drilling
4/23/2012	3,010.00	18.83	292.67	IncAzi-MWD	Scientific Drilling
4/23/2012	3,074.00	17.60	292.37	IncAzi-MWD	Scientific Drilling
4/23/2012	3,138.00	15.27	291.11	IncAzi-MWD	Scientific Drilling
4/23/2012	3,203 00	14.17	289.57	IncAzi-MWD	Scientific Drilling
4/23/2012	3,267.00	11.28	288.48	IncAzi-MWD	Scientific Drilling
4/23/2012	3,332 00	9 76	287.05	IncAzi-MWD	Scientific Drilling
4/23/2012	3,397.00	8.75	284.14	IncAzi-MWD	Scientific Drilling
4/23/2012	3,461.00	7.30	279.78	IncAzi-MWD	Scientific Drilling
4/23/2012	3,526 00	6.51	276.71	IncAzi-MWD	Scientific Drilling
4/23/2012	3,590 00	4 82	279.53	IncAzi-MWD	Scientific Drilling
4/23/2012	3,654 00	2 91	286.82	IncAzi-MWD	Scientific Drilling
4/23/2012	3,719.00	2.08	275.87	IncAzi-MWD	Scientific Drilling
4/23/2012	3,784.00	1.16	240.96	IncAzi-MWD	Scientific Drilling
4/23/2012	3,848.00	1 36	231.93	IncAzi-MWD	Scientific Drilling
4/23/2012	3,913.00	1.16	227.41	IncAzi-MWD	Scientific Drilling
4/23/2012	3,977.00	1.31	229.03	IncAzi-MWD	Scientific Drilling
4/23/2012	4,041.00	1.10	225 60	IncAzi-MWD	Scientific Drilling
4/23/2012	4,105.00	1.05	227.82	IncAzi-MWD	Scientific Drilling
4/23/2012	4,169.00	1.12	225.37	IncAzi-MWD	Scientific Drilling
4/23/2012	4,234.00	1.19	234 75	IncAzi-MWD	Scientific Drilling
4/23/2012	4,298.00	1.19	231.02	IncAzi-MWD	Scientific Drilling
4/23/2012	4,363.00	1.25	238.66	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

STEWART LS #8N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/23/2012	4,427 00	1 52	235 45	IncAzi-MWD	Scientific Drilling
4/23/2012	4,492 00	1.36	242.94	IncAzi-MWD	Scientific Drilling
4/23/2012	4,556.00	1 55	238 78	IncAzi-MWD	Scientific Drilling
4/23/2012	4,620.00	1.27	237.94	IncAzi-MWD	Scientific Drilling
4/23/2012	4,685.00	1.22	227.76	IncAzi-MWD	Scientific Drilling
4/23/2012	4,750.00	1 23	238.03	IncAzi-MWD	Scientific Drilling
4/23/2012	4,814 00	1.48	233.50	IncAzi-MWD	Scientific Drilling
4/23/2012	4,912.00	1.67	225.97	IncAzi-MWD	Scientific Drilling
5/2/2012	7,479.00	0.75		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.

Subcribed and sworn to me this 7/30/12

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14

ConocoPhillips

ConocoPhillips

SJB (NM West)
SEC 28-T30N-R10W
Stewart LS 8N

OH

Design: OH

API # 3004535330

Standard Survey Report

04 May, 2012

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

Notarized this date 4th of May, 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

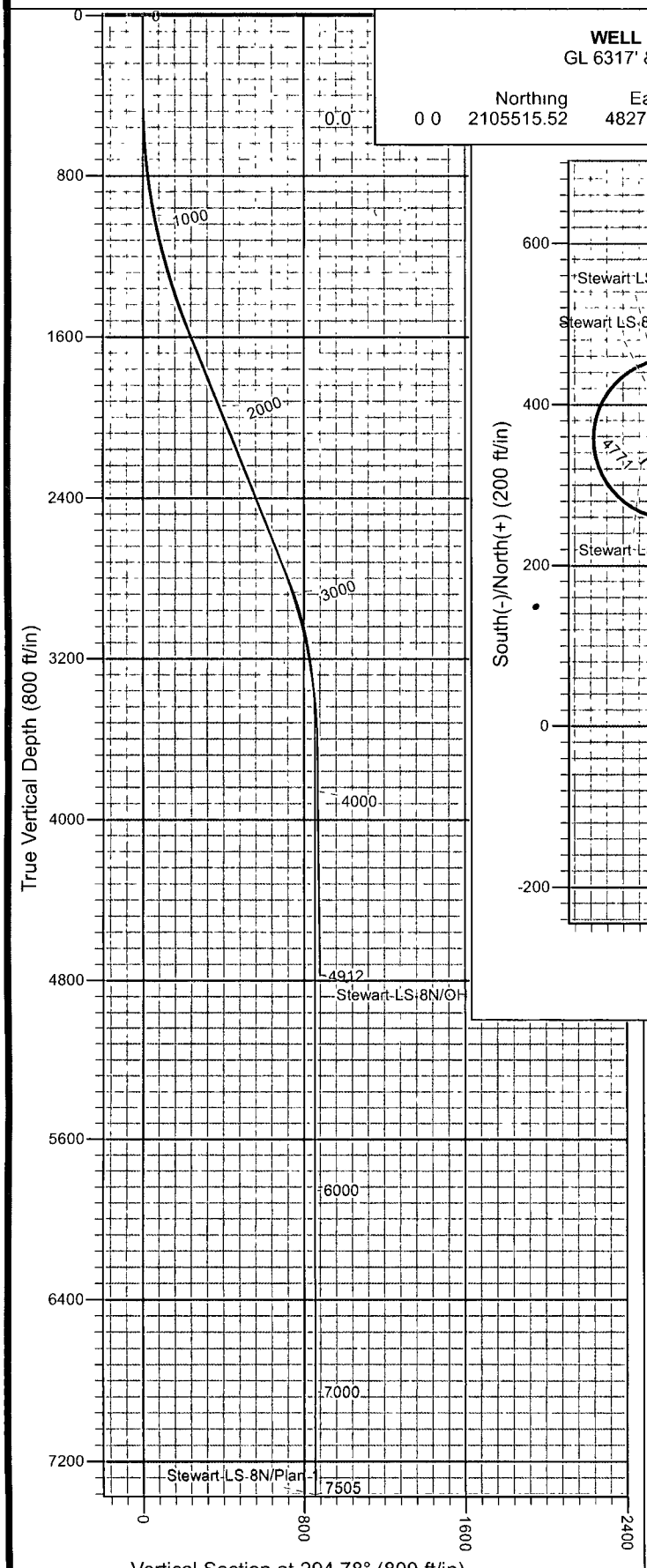
Project: SJB (NM West)
Site: SEC 28-T30N-R10W
Well: Stewart LS 8N
Wellbore: OH
Design: OH

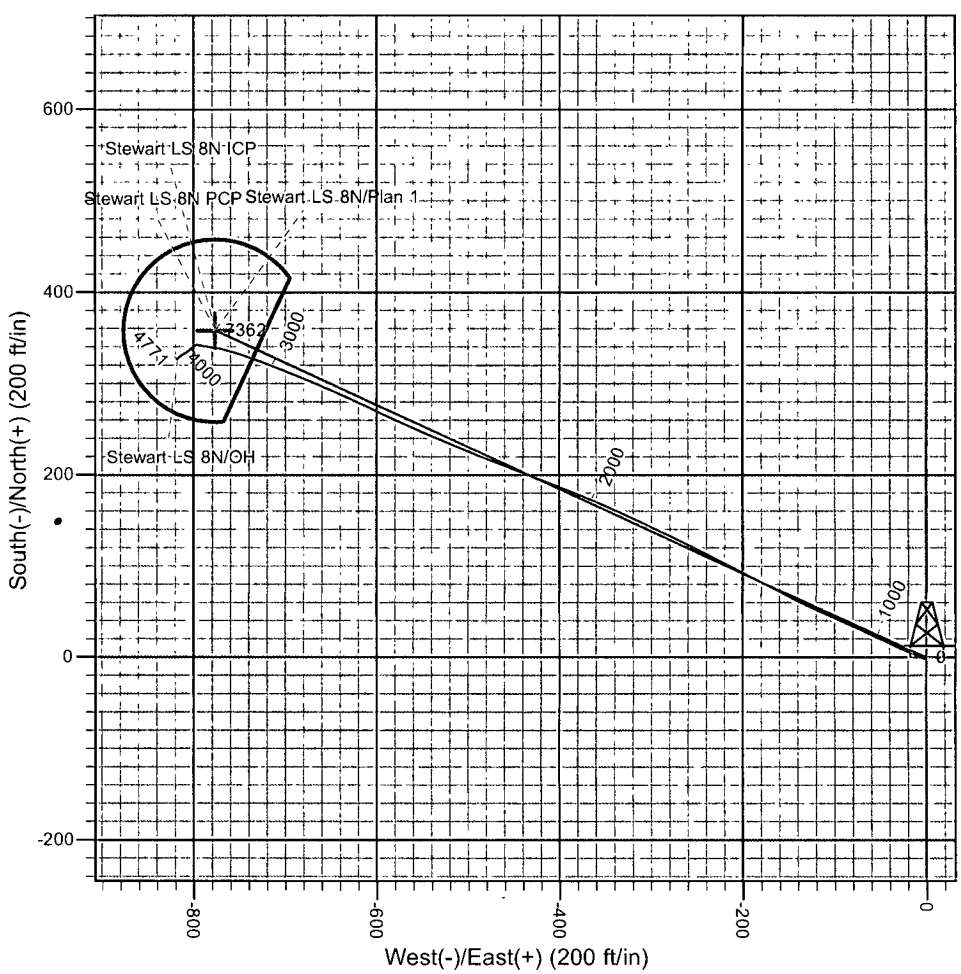
Scientific Drilling
Directional Drilling Operations

WELL DETAILS: Stewart LS 8N
GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Ground Level:6317.0

	Northing	Easting	Latitude	Longitude
0 0	2105515.52	482791.36	36° 47' 11.064 N	107° 53' 31.560 W

T
Azimuths to True North
Magnetic North 9 85
Magnetic Field
Strength 50627 4snT
Dip Angle 63 45
Date 2012/04/13
Model BGGM2011





REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Stewart LS 8N, True North
Vertical (TVD) Reference: GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Calculation Method: Minimum Curvature

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

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Stewart LS 8N
Project:	SJB (NM West)	**TVD Reference:**	GL 6317' & KB 15' @ 6332 0ft (AWS 920)
Site:	SEC 28-T30N-R10W	**MD Reference:**	GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Well:	Stewart LS 8N	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.21 Single User Db

Project	SJB (NM West), San Juan County, 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 28-T30N-R10W				
Site Position:		**Northing:**	2,105,515.52 ft	**Latitude:**	36° 47' 11.064 N
From:	Lat/Long	**Easting:**	482,791.36 ft	**Longitude:**	107° 53' 31.560 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.04 °

Well	Stewart LS 8N, 1599' FNL 1788' FWL					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,105,515.52 ft	**Latitude:**	36° 47' 11.064 N
	+E/-W	0.0 ft	**Easting:**	482,791.36 ft	**Longitude:**	107° 53' 31.560 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,317.0 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2011	2012/04/13	9.85	63.45	50,627

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	294.78		

Survey Program	**Date** 2012/05/04			
From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
388 0	4,912.0	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
388.0	0.38	223.37	388 0	-0.9	-0.9	0.4	0.10	0.10	0.00
First SDI MWD Survey									
418.0	0 17	180.41	418.0	-1.1	-1.0	0 4	0.94	-0.70	-143.20
449.0	0.81	269.76	449.0	-1.1	-1.2	0 6	2.66	2.06	288.23
480.0	1.16	284.14	480.0	-1.0	-1.7	1 1	1.37	1.13	46.39
510.0	2.08	286 94	510.0	-0.8	-2.5	1.9	3 08	3.07	9.33
541.0	2.62	287 05	541.0	-0.4	-3.7	3.2	1.74	1.74	0.35
571.0	3.29	287.30	570.9	0.0	-5.2	4.7	2.23	2.23	0.83
602.0	4.09	291.86	601.8	0.7	-7 1	6.7	2.75	2.58	14.71
632.0	4.85	291.21	631.8	1 6	-9.3	9.1	2.54	2.53	-2.17
663.0	5.49	296.08	662.6	2.7	-11 8	11.9	2.50	2.06	15.71
693.0	5 41	295.15	692.5	3.9	-14.4	14.7	0.40	-0.27	-3.10

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Stewart LS 8N
Project:	SJB (NM West)	**TVD Reference:**	GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Site:	SEC 28-T30N-R10W	**MD Reference:**	GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Well:	Stewart LS 8N	**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)
724 0	5.98	293.54	723.3	5.2	-17 2	17.8	1.91	1 84	-5.19
754.0	6.64	297.26	753.2	6.6	-20.2	21.1	2.59	2.20	12.40
784 0	6.59	298.41	783.0	8.2	-23.2	24 5	0 47	-0.17	3.83
815.0	7.14	292 81	813.7	9.8	-26 6	28 2	2.79	1.77	-18.06
849.0	8.08	292.72	847.4	11.6	-30.7	32 7	2 76	2.76	-0.26
881.0	8 77	293.56	879.1	13.4	-35.0	37.4	2 19	2.16	2.63
914.0	9.32	294.31	911.7	15.5	-39.8	42 6	1 70	1.67	2.27
946.0	9.84	293.65	943.2	17.7	-44.6	47 9	1.66	1.63	-2.06
1,010.0	11.31	297.14	1,006 1	22.7	-55.2	59.7	2.50	2.30	5 45
1,075.0	13.01	295.51	1,069.7	28.8	-67.5	73.3	2.67	2.62	-2.51
1,139.0	14 45	294.59	1,131 9	35 2	-81.3	88 5	2.28	2.25	-1.44
1,204.0	15 38	294.68	1,194.7	42.2	-96.5	105.3	1.43	1.43	0.14
1,268.0	15.96	294 68	1,256.3	49.4	-112.2	122.6	0.91	0.91	0 00
1,333.0	17 43	295.33	1,318.5	57.3	-129 1	141.2	2.28	2.26	1.00
1,397.0	18 75	297.14	1,379.4	66.1	-146.9	161 1	2.24	2.06	2.83
1,462.0	19.56	297.20	1,440.8	75.8	-165.9	182 4	1.25	1.25	0.09
1,526.0	20.83	298.03	1,500.8	86.1	-185.5	204 5	2.03	1.98	1.30
1,591.0	21 62	297.15	1,561.4	97.0	-206.3	228.0	1.31	1.22	-1.35
1,655.0	22.05	297.00	1,620.8	107.8	-227.5	251.7	0.68	0.67	-0.23
1,720.0	22.04	296.22	1,681.1	118.7	-249.3	276.1	0.45	-0.02	-1.20
1,784 0	21.86	295.53	1,740 5	129 2	-270.8	300.1	0.49	-0.28	-1.08
1,849.0	21.53	295.74	1,800.8	139.6	-292.5	324.1	0.52	-0.51	0.32
1,913.0	22 03	295.29	1,860 3	149 8	-313.9	347.8	0.82	0.78	-0.70
1,978.0	22 10	293.92	1,920.5	160.0	-336.1	372.2	0.80	0.11	-2.11
2,042.0	21.99	293.02	1,979.8	169.5	-358 2	396.3	0 56	-0.17	-1.41
2,106 0	22.14	293.07	2,039.2	178.9	-380.3	420 3	0.24	0.23	0.08
2,171 0	21.75	291 26	2,099.4	188.1	-402.8	444.5	1 20	-0.60	-2.78
2,235.0	22.07	291.08	2,158.8	196.7	-425.1	468 4	0.51	0.50	-0.28
2,300.0	22.08	291.15	2,219.1	205.5	-447.8	492 8	0.04	0.02	0.11
2,364.0	21.67	291.50	2,278.4	214.2	-470.1	516.6	0.67	-0.64	0.55
2,429.0	21 48	292.34	2,338.9	223.1	-492.2	540.4	0.56	-0.29	1.29
2,493.0	21.46	292.16	2,398.5	232.0	-513.9	563.8	0.11	-0.03	-0.28
2,558.0	22.16	293 18	2,458.8	241.3	-536 2	588.0	1.22	1.08	1.57
2,623.0	22.09	293.71	2,519.0	251.1	-558.7	612.4	0.33	-0.11	0.82
2,687 0	21.68	295.66	2,578.4	261.0	-580.3	636.3	1.30	-0.64	3.05
2,752.0	21 46	295.50	2,638.9	271.3	-601.9	660.2	0.35	-0.34	-0.25
2,816.0	20.31	294.45	2,698.6	281.0	-622.6	683.0	1.89	-1.80	-1.64
2,880.0	19.27	294.51	2,758.9	289.9	-642.3	704.7	1.63	-1.63	0.09
2,945.0	18.48	292.24	2,820.4	298 3	-661.6	725.7	1.66	-1.22	-3.49
3,010.0	18 83	292.67	2,882.0	306 2	-680.8	746.5	0.58	0.54	0.66
3,074.0	17 60	292.37	2,942.7	313 9	-699.3	766.4	1.93	-1.92	-0.47
3,138.0	15.27	291.11	3,004.1	320.6	-716.1	784.5	3.68	-3.64	-1.97
3,203.0	14.17	289.57	3,067 0	326.4	-731.6	801.0	1.80	-1.69	-2.37
3,267.0	11.28	288.48	3,129.4	331.0	-744.9	815.0	4.53	-4.52	-1.70
3,332 0	9.76	287.05	3,193.3	334.6	-756.2	826.8	2.37	-2.34	-2.20
3,397 0	8.75	284.14	3,257.5	337.4	-766.2	837.1	1.71	-1.55	-4 48
3,461.0	7.30	279.78	3,320.8	339.3	-775.0	845.8	2.46	-2.27	-6.81
3,526 0	6.51	276.71	3,385 4	340.4	-782.7	853 3	1.34	-1.22	-4.72
3,590.0	4.82	279.53	3,449.1	341.3	-789.0	859 4	2.68	-2.64	4.41
3,654.0	2.91	286.82	3,512 9	342.2	-793.2	863.6	3.08	-2.98	11 39
3,719.0	2.08	275.87	3,577.9	342.8	-795.9	866.3	1.47	-1.28	-16.85
3,784.0	1.16	240.96	3,642.8	342.6	-797.7	867.8	2.01	-1.42	-53.71
3,848.0	1.36	231.93	3,706.8	341.8	-798 8	868.6	0.44	0.31	-14.11
3,913.0	1.16	227.41	3,771.8	340.9	-799.9	869.2	0.34	-0.31	-6.95

ConocoPhillips

Scientific Drilling
Survey Report

Scientific Drilling

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Stewart LS 8N
Project:	SJB (NM West)	**TVD Reference:**	GL 6317' & KB 15' @ 6332 0ft (AWS 920)
Site:	SEC 28-T30N-R10W	**MD Reference:**	GL 6317' & KB 15' @ 6332.0ft (AWS 920)
Well:	Stewart LS 8N	**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)
3,977.0	1.31	229.03	3,835.8	340.0	-800.9	869.7	0.24	0.23	2 53
4,041.0	1.10	225.60	3,899.8	339.1	-801.9	870.2	0.35	-0 33	-5.36
4,105.0	1.05	227.82	3,963.8	338.3	-802.8	870 7	0.10	-0 08	3.47
4,169.0	1.12	225.37	4,027 7	337.4	-803.7	871.1	0.13	0.11	-3.83
4,234.0	1.19	234.75	4,092 7	336.6	-804.7	871 7	0.31	0 11	14.43
4,298.0	1.19	231.02	4,156.7	335 8	-805.8	872.3	0.12	0.00	-5.83
4,363 0	1.25	238.66	4,221 7	335.0	-806 9	873 0	0.27	0.09	11.75
4,427 0	1.52	235.45	4,285.7	334.2	-808 2	873.8	0 44	0.42	-5.02
4,492 0	1.36	242.94	4,350 7	333.3	-809.6	874.7	0.38	-0.25	11.52
4,556.0	1 55	238.78	4,414.6	332.5	-811.0	875.7	0.34	0.30	-6 50
4,620.0	1.27	237.94	4,478.6	331.7	-812.3	876.6	0.44	-0.44	-1.31
4,685.0	1.22	227.76	4,543.6	330.9	-813.5	877.2	0.35	-0.08	-15.66
4,750.0	1 23	238.03	4,608.6	330 0	-814.6	877.9	0.34	0.02	15.80
4,814.0	1.48	233.50	4,672.6	329.2	-815.8	878 7	0.42	0 39	-7.08
4,912.0	1.67	225.97	4,770.5	327 4	-817.9	879 8	0 29	0.19	-7.68

Last SDI MWD Survey

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
388.0	388 0	-0.9	-0.9	First SDI MWD Survey
4,912.0	4,770.5	327.4	-817.9	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____