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

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
30-039-30887	71599 / 72319	BASIN DAKOTA / BLANCO MESAVERDE

4 Property Code	5 Property Name	6 Well Number
31739	SAN JUAN 28-7 UNIT	243P

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6209

10 SURFACE LOCATION

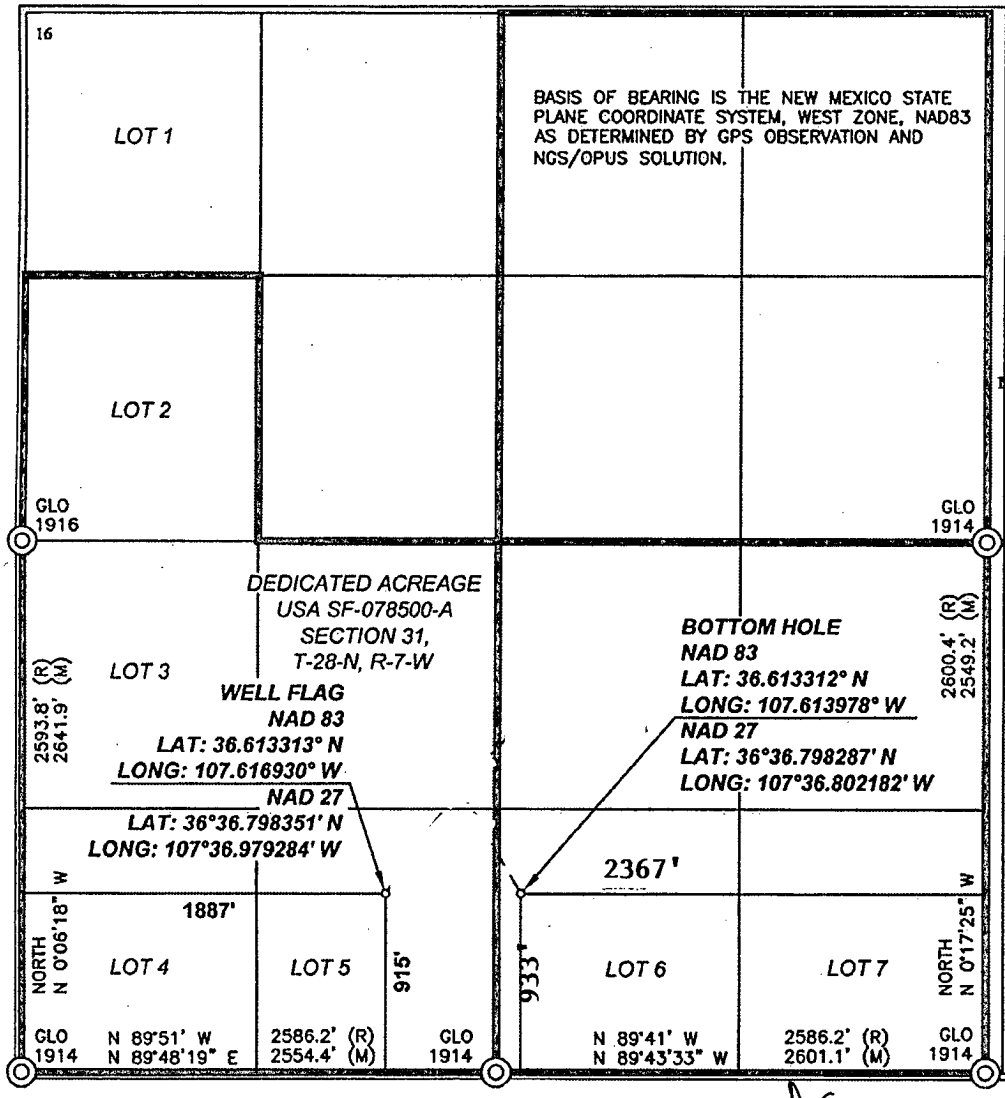
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	28-N	7-W		915	SOUTH	1887	WEST	RIO ARRIBA

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
O	31	28-N	7-W		933'	SOUTH	2367'	EAST	RIO ARRIBA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
DK-339.73 NSP MV-315.00 E/2			R-2948 UNIT 10

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.

Signature Date 4/25/11

Marie E. Jaramillo 4/25/11
Printed Name

marie.e.jaramillo@conocophillips.com
Title and 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: 4/28/09
Signature and Seal of Professional Surveyor:

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

Certificate Number: NM 11393

ConocoPhillips

COP Deviation Report

SAN JUAN 28-7 UNIT #243P

Operator	Legal WellName	API / UWI	County	State/Province
CONOCOPHILLIPS COMPANY	SAN JUAN 28-7 UNIT #243P	3003930887	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
031-028N-007W-N	915.00	FSL	1,887.00	FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/3/2010	150.00	1.00	Inc-WL	MOTE
12/3/2010	320.00	2.00	Inc-WL	MOTE
12/19/2010	421.00	3.86	IncAzi-MWD	Scientific Drilling
12/3/2010	447.00	3.50	Inc-WL	MOTE
12/19/2010	452.00	4.16	IncAzi-MWD	Scientific Drilling
12/19/2010	513.00	3.03	IncAzi-MWD	Scientific Drilling
12/19/2010	573.00	0.43	IncAzi-MWD	Scientific Drilling
12/19/2010	635.00	2.39	IncAzi-MWD	Scientific Drilling
12/19/2010	697.00	4.11	IncAzi-MWD	Scientific Drilling
12/19/2010	758.00	6.07	IncAzi-MWD	Scientific Drilling
12/19/2010	820.00	8.07	IncAzi-MWD	Scientific Drilling
12/20/2010	882.00	10.93	IncAzi-MWD	Scientific Drilling
12/20/2010	943.00	12.71	IncAzi-MWD	Scientific Drilling
12/20/2010	1,005.00	14.93	IncAzi-MWD	Scientific Drilling
12/20/2010	1,067.00	17.03	IncAzi-MWD	Scientific Drilling
12/20/2010	1,130.00	19.25	IncAzi-MWD	Scientific Drilling
12/20/2010	1,193.00	20.43	IncAzi-MWD	Scientific Drilling
12/20/2010	1,256.00	22.46	IncAzi-MWD	Scientific Drilling
12/20/2010	1,319.00	24.68	IncAzi-MWD	Scientific Drilling
12/20/2010	1,382.00	27.13	IncAzi-MWD	Scientific Drilling
12/20/2010	1,445.00	29.04	IncAzi-MWD	Scientific Drilling
12/20/2010	1,508.00	29.27	IncAzi-MWD	Scientific Drilling
12/20/2010	1,572.00	29.46	IncAzi-MWD	Scientific Drilling
12/20/2010	1,633.00	29.24	IncAzi-MWD	Scientific Drilling
12/20/2010	1,697.00	29.84	IncAzi-MWD	Scientific Drilling
12/20/2010	1,760.00	29.95	IncAzi-MWD	Scientific Drilling
12/20/2010	1,824.00	30.36	IncAzi-MWD	Scientific Drilling
12/20/2010	1,887.00	30.49	IncAzi-MWD	Scientific Drilling
12/20/2010	1,951.00	30.20	IncAzi-MWD	Scientific Drilling
12/20/2010	2,014.00	27.16	IncAzi-MWD	Scientific Drilling
12/20/2010	2,077.00	25.50	IncAzi-MWD	Scientific Drilling
12/20/2010	2,140.00	25.41	IncAzi-MWD	Scientific Drilling
12/20/2010	2,202.00	25.37	IncAzi-MWD	Scientific Drilling
12/20/2010	2,266.00	25.66	IncAzi-MWD	Scientific Drilling
12/20/2010	2,329.00	25.22	IncAzi-MWD	Scientific Drilling
12/20/2010	2,393.00	25.28	IncAzi-MWD	Scientific Drilling

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 TOMPSON

Subcribed and sworn to me this 4/27/11

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14

RECEIVED
MAY 2011
OIL CONS. DIV. DIST. 3

Report Printed: 4/25/2011

ConocoPhillips

COP Deviation Report

SAN JUAN 28-7 UNIT #243P

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/20/2010	2,456.00	24.92	IncAzi-MWD	Scientific Drilling
12/20/2010	2,517.00	24.86	IncAzi-MWD	Scientific Drilling
12/20/2010	2,581.00	24.03	IncAzi-MWD	Scientific Drilling
12/21/2010	2,644.00	23.04	IncAzi-MWD	Scientific Drilling
12/21/2010	2,708.00	22.03	IncAzi-MWD	Scientific Drilling
12/21/2010	2,770.00	20.55	IncAzi-MWD	Scientific Drilling
12/21/2010	2,834.00	18.94	IncAzi-MWD	Scientific Drilling
12/21/2010	2,896.00	16.27	IncAzi-MWD	Scientific Drilling
12/21/2010	2,957.00	13.68	IncAzi-MWD	Scientific Drilling
12/21/2010	3,021.00	12.30	IncAzi-MWD	Scientific Drilling
12/21/2010	3,084.00	10.80	IncAzi-MWD	Scientific Drilling
12/21/2010	3,147.00	7.71	IncAzi-MWD	Scientific Drilling
12/21/2010	3,210.00	5.37	IncAzi-MWD	Scientific Drilling
12/21/2010	3,274.00	4.61	IncAzi-MWD	Scientific Drilling
12/21/2010	3,309.00	3.75	IncAzi-MWD	Scientific Drilling
12/21/2010	3,366.00	3.75	Projection	Scientific Drilling
1/11/2011	7,228.00	1.00	Inc-WL	Phoenix Services LLC

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

ConocoPhillips

SJB (NM Central)
SEC 31-T28N-R7W
SJ 28-7 #243P
API# 30-039-30887
Original Hole

Survey: Actual

Standard Survey Report

08 March, 2011

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

E.L. Martin

Notarized this date 8th of March, 2011.

Carrie Reed

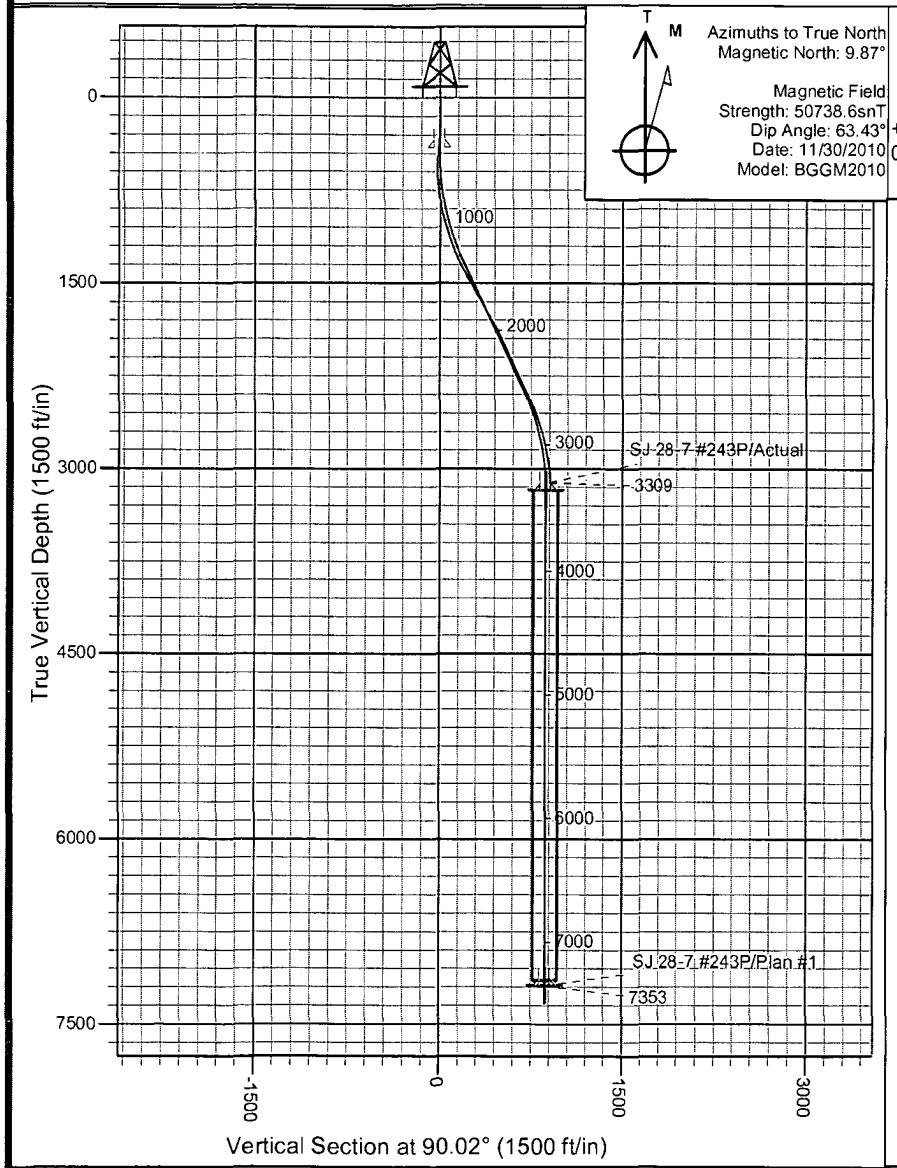
Notary Signature
County of Midland
State of Texas

Scientific Drilling
Directional Drilling Operations

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 31-T28N-R7W
Well: SJ 28-7 #243P
Wellbore: Original Hole
Design: Plan #1

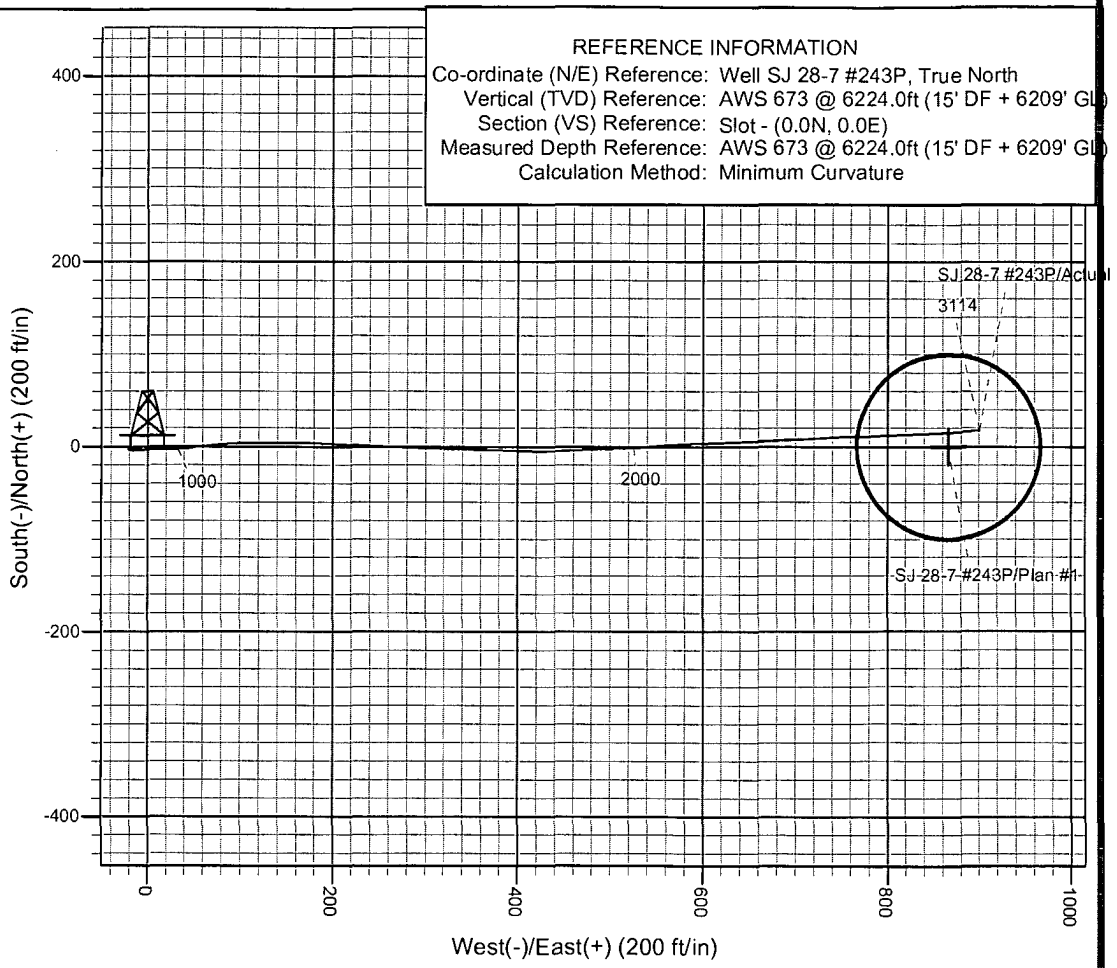
ConocoPhillips



WELL DETAILS: SJ 28-7 #243P
AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Ground Level: 6209.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2045312.23	98997.69	36° 36' 47.901 N	107° 36' 58.757 W	

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 28-7 #243P, True North
Vertical (TVD) Reference: AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 673 @ 6224.0ft (15' DF + 6209' 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 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

SITE DETAILS: SEC 31-T28N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 37' 5.682 N
Longitude: 107° 37' 16.272 W
Positional Uncertainity: 0.0
Convergence: -0.82
Local North: True

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 28-7 #243P
Project:	SJB (NM Central)	**TVD Reference:**	AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Site:	SEC 31-T28N-R7W	**MD Reference:**	AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Well:	SJ 28-7 #243P	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**Database:**	edmCOP

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 31-T28N-R7W				
Site Position:		**Northing:**	2,047,130.73 ft	**Latitude:**	36° 37' 5.682 N
From:	Lat/Long	**Easting:**	97,595.37 ft	**Longitude:**	107° 37' 16.272 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.82 °

Well	SJ 28-7 #243P, S-Type MV/DK Well					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,045,312.23 ft	**Latitude:**	36° 36' 47.901 N
	+E/-W	0.0 ft	**Easting:**	98,997.69 ft	**Longitude:**	107° 36' 58.757 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,209.0 ft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	11/30/2010	9.87	63.43	50,739

Design	Original Hole				
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	88.88

Survey Program **Date** 3/8/2011

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
421.0	3,309.0	Actual (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
421.0	3.86	262.55	420.7	-1.8	-14.1	-14.1	0.92	0.92	0.00
452.0	4.16	260.74	451.6	-2.2	-16.2	-16.2	1.05	0.97	-5.84
513.0	3.03	268.95	512.5	-2.5	-20.0	-20.0	2.03	-1.85	13.46
573.0	0.43	188.11	572.5	-2.8	-21.6	-21.7	4.99	-4.33	-134.73
635.0	2.39	113.79	634.4	-3.5	-20.5	-20.5	3.73	3.16	-119.87
697.0	4.11	91.29	696.3	-4.1	-17.1	-17.1	3.40	2.77	-36.29
758.0	6.07	85.35	757.1	-3.9	-11.7	-11.7	3.32	3.21	-9.74
820.0	8.07	86.59	818.6	-3.4	-4.0	-4.1	3.24	3.23	2.00
882.0	10.93	89.92	879.8	-3.1	6.2	6.1	4.70	4.61	5.37
943.0	12.71	90.01	939.5	-3.1	18.7	18.6	2.92	2.92	0.15
1,005.0	14.93	87.84	999.7	-2.8	33.5	33.4	3.68	3.58	-3.50
1,067.0	17.03	82.71	1,059.3	-1.4	50.5	50.4	4.08	3.39	-8.27

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 28-7 #243P
Project:	SJB (NM Central)	**TVD Reference:**	AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Site:	SEC 31-T28N-R7W	**MD Reference:**	AWS 673 @ 6224.0ft (15' DF + 6209' GL)
Well:	SJ 28-7 #243P	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**Database:**	edmCOP

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)
1,130.0	19.25	83.14	1,119.1	1.1	69.9	69.9	3.53	3.52	0.68
1,193.0	20.43	86.64	1,178.4	2.9	91.2	91.3	2.66	1.87	5.56
1,256.0	22.46	88.54	1,237.0	3.9	114.2	114.3	3.41	3.22	3.02
1,319.0	24.68	90.23	1,294.8	4.2	139.4	139.5	3.68	3.52	2.68
1,382.0	27.13	91.04	1,351.4	3.8	166.9	167.0	3.93	3.89	1.29
1,445.0	29.04	93.14	1,407.0	2.7	196.6	196.6	3.41	3.03	3.33
1,508.0	29.27	92.52	1,462.0	1.2	227.2	227.2	0.60	0.37	-0.98
1,572.0	29.46	93.33	1,517.8	-0.4	258.6	258.5	0.69	0.30	1.27
1,633.0	29.24	91.60	1,571.0	-1.7	288.4	288.3	1.44	-0.36	-2.84
1,697.0	29.84	91.26	1,626.7	-2.5	320.0	319.9	0.97	0.94	-0.53
1,760.0	29.95	91.71	1,681.3	-3.3	351.4	351.2	0.40	0.17	0.71
1,824.0	30.36	91.22	1,736.6	-4.1	383.5	383.3	0.75	0.64	-0.77
1,887.0	30.49	91.33	1,791.0	-4.8	415.4	415.2	0.22	0.21	0.17
1,951.0	30.20	88.25	1,846.2	-4.7	447.7	447.5	2.47	-0.45	-4.81
2,014.0	27.16	86.57	1,901.5	-3.3	477.9	477.8	4.99	-4.83	-2.67
2,077.0	25.50	88.47	1,957.9	-2.1	505.8	505.7	2.95	-2.63	3.02
2,140.0	25.41	86.42	2,014.8	-0.9	532.9	532.8	1.41	-0.14	-3.25
2,202.0	25.37	85.41	2,070.8	1.0	559.4	559.3	0.70	-0.06	-1.63
2,266.0	25.66	87.31	2,128.6	2.7	586.9	586.8	1.36	0.45	2.97
2,329.0	25.22	88.26	2,185.5	3.8	613.9	613.9	0.95	-0.70	1.51
2,393.0	25.28	88.04	2,243.3	4.7	641.2	641.2	0.17	0.09	-0.34
2,456.0	24.92	86.79	2,300.4	5.9	667.9	667.9	1.02	-0.57	-1.98
2,517.0	24.86	87.50	2,355.7	7.1	693.6	693.6	0.50	-0.10	1.16
2,581.0	24.03	86.21	2,414.0	8.6	720.0	720.0	1.54	-1.30	-2.02
2,644.0	23.04	86.69	2,471.8	10.2	745.1	745.2	1.60	-1.57	0.76
2,708.0	22.03	89.71	2,530.9	10.9	769.6	769.7	2.40	-1.58	4.72
2,770.0	20.55	88.18	2,588.6	11.3	792.1	792.2	2.55	-2.39	-2.47
2,834.0	18.94	86.87	2,648.9	12.3	813.7	813.8	2.61	-2.52	-2.05
2,896.0	16.27	88.59	2,708.0	13.0	832.5	832.6	4.39	-4.31	2.77
2,957.0	13.68	87.01	2,766.9	13.6	848.2	848.3	4.30	-4.25	-2.59
3,021.0	12.30	85.71	2,829.2	14.5	862.6	862.7	2.20	-2.16	-2.03
3,084.0	10.80	86.81	2,891.0	15.3	875.2	875.3	2.41	-2.38	1.75
3,147.0	7.71	84.46	2,953.1	16.1	885.3	885.4	4.94	-4.90	-3.73
3,210.0	5.37	82.55	3,015.7	16.9	892.4	892.5	3.73	-3.71	-3.03
3,274.0	4.61	84.44	3,079.5	17.5	897.9	898.1	1.21	-1.19	2.95
3,309.0	3.75	89.25	3,114.4	17.7	900.5	900.6	2.65	-2.46	13.74