

RCVD APR 19 '10
OIL CONS. DIV.
DIST. 3

DISTRICT I
1826 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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30671		*Pool Code 71599 / 72319		*Pool Name BIANCO BASIN DAKOTA / MESA VERDE	
*Property Code 31739		*Property Name SAN JUAN 28-7 UNIT			
*OGRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			
				*Well Number 251M	
				*Elevation 5935	

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
D	31	28 N	7 W	LOT 1	729	NORTH	395	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
D	31	28 N	7 W	LOT 1	663	NORTH	810	WEST	RIO ARRIBA

¹² Dedicated Acres
301.23 (W/2) MV
316.5 (N/2) DK

¹³ Joint or Infill

¹⁴ Consolidation Code

¹⁵ Order No.
DK Tract 9, 316.5 acres: Lot 1,
R-2948E/2, NW/4, NE/4, Sec.31, SW/4, Sec.30

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		FEE		O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION		17 OPERATOR CERTIFICATION	
SECTION 30						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.	
2625.63' N 89°55'59" E		2519.67'		S 89°49'53" W		2626.34'	
810' 729' 663'						Signature: <u>Crystal Tafoya</u> 4/16/10 Date: 4/16/10 Printed Name: Crystal Tafoya	
395' LOT 1 (34.50)							
NAD 83 LAT: 36.623014° N LONG: 107.622010° W		USA SF-078500-A				18 SURVEYOR CERTIFICATION	
NAD 27 LAT: 36°37.3804' N LONG: 107°37.2840' W		SECTION 31				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.	
LOT 3 (38.84)						3/20/08 Date of Survey	
2549.85'						Signature and Seal of Professional Surveyor	
LOT 4 (34.18)		LOT 5 (37.34)		LOT 6 (37.45)		17078 Certificate Number	
N 0°06'03" W				N 89°53'44" W		2597.07' (CALC)	
S 89°48'16" W		2584.46'				MARSHALL W. LINDEN NEW MEXICO 12-19-08 17078 PROFESSIONAL SURVEYOR	

4-21



COP Deviation Report
SAN JUAN 28-7 UNIT #251M

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 28-7 UNIT #251M	API / UWI 3003930671	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 031-028N-007W-D	N/S Dist (ft) 729.00	N/S Ref FNL	E/W Dist (ft) 395.00	E/W Ref FWL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/29/2009	0.00	0.00	IncAzi-MWD	Scientific Drilling
12/22/2009	130.00	1.00	Inc-Drop	MOTE
12/22/2009	236.00	0.50	Inc-Drop	MOTE
12/29/2009	299.00	0.27	IncAzi-MWD	Scientific Drilling
12/29/2009	391.00	0.23	IncAzi-MWD	Scientific Drilling
12/29/2009	484.00	0.03	IncAzi-MWD	Scientific Drilling
12/29/2009	545.00	0.51	IncAzi-MWD	Scientific Drilling
12/29/2009	605.00	0.83	IncAzi-MWD	Scientific Drilling
12/29/2009	635.00	1.17	IncAzi-MWD	Scientific Drilling
12/29/2009	666.00	1.56	IncAzi-MWD	Scientific Drilling
12/29/2009	697.00	2.40	IncAzi-MWD	Scientific Drilling
12/29/2009	728.00	3.07	IncAzi-MWD	Scientific Drilling
12/29/2009	758.00	3.50	IncAzi-MWD	Scientific Drilling
12/29/2009	789.00	3.91	IncAzi-MWD	Scientific Drilling
12/29/2009	820.00	4.57	IncAzi-MWD	Scientific Drilling
12/29/2009	851.00	5.18	IncAzi-MWD	Scientific Drilling
12/29/2009	900.00	6.51	IncAzi-MWD	Scientific Drilling
12/29/2009	945.00	7.39	IncAzi-MWD	Scientific Drilling
12/29/2009	990.00	8.41	IncAzi-MWD	Scientific Drilling
12/29/2009	1,035.00	9.61	IncAzi-MWD	Scientific Drilling
12/29/2009	1,080.00	10.40	IncAzi-MWD	Scientific Drilling
12/29/2009	1,125.00	11.19	IncAzi-MWD	Scientific Drilling
12/29/2009	1,170.00	12.00	IncAzi-MWD	Scientific Drilling
12/29/2009	1,215.00	12.80	IncAzi-MWD	Scientific Drilling
12/29/2009	1,260.00	13.60	IncAzi-MWD	Scientific Drilling
12/29/2009	1,305.00	13.99	IncAzi-MWD	Scientific Drilling
12/29/2009	1,349.00	14.89	IncAzi-MWD	Scientific Drilling
12/29/2009	1,394.00	16.15	IncAzi-MWD	Scientific Drilling
12/29/2009	1,439.00	17.28	IncAzi-MWD	Scientific Drilling
12/29/2009	1,484.00	17.93	IncAzi-MWD	Scientific Drilling
12/29/2009	1,529.00	18.66	IncAzi-MWD	Scientific Drilling
12/30/2009	1,574.00	19.00	IncAzi-MWD	Scientific Drilling
12/30/2009	1,619.00	19.19	IncAzi-MWD	Scientific Drilling
12/30/2009	1,709.00	19.22	IncAzi-MWD	Scientific Drilling
12/30/2009	1,799.00	18.92	IncAzi-MWD	Scientific Drilling
12/30/2009	1,889.00	19.20	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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



COP Deviation Report
SAN JUAN 28-7 UNIT #251M

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
12/30/2009	1,979.00	18.24	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,070.00	17.00	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,160.00	14.57	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,250.00	11.70	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,340.00	8.98	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,430.00	6.48	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,520.00	4.61	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,610.00	3.36	IncAzi-MWD	Scientific Drilling	
12/30/2009	2,703.00	1.43	IncAzi-MWD	Scientific Drilling	
1/11/2010	6,877.00	1.75	Inc-WL	PHOENIX	

RCVD APR 19 '10

OIL CONS. DIV.

DIST. 3

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.

[Signature]

Subscribed and sworn to me this April 16, 2010

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

ConocoPhillips

SJB (NM Central)

SEC 31-T28N-R7W

SJ 28-7 #251M

33D1209233

Original Hole

API # 30-039-30671

RCVD APR 19 '10

OIL CONS. DIV.

DIST. 3

Design: Actual

Standard Survey Report

04 February, 2010

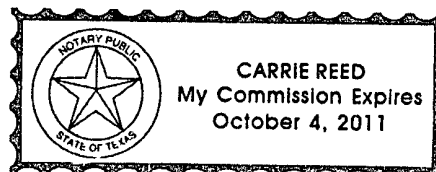
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 19th of February, 2010.

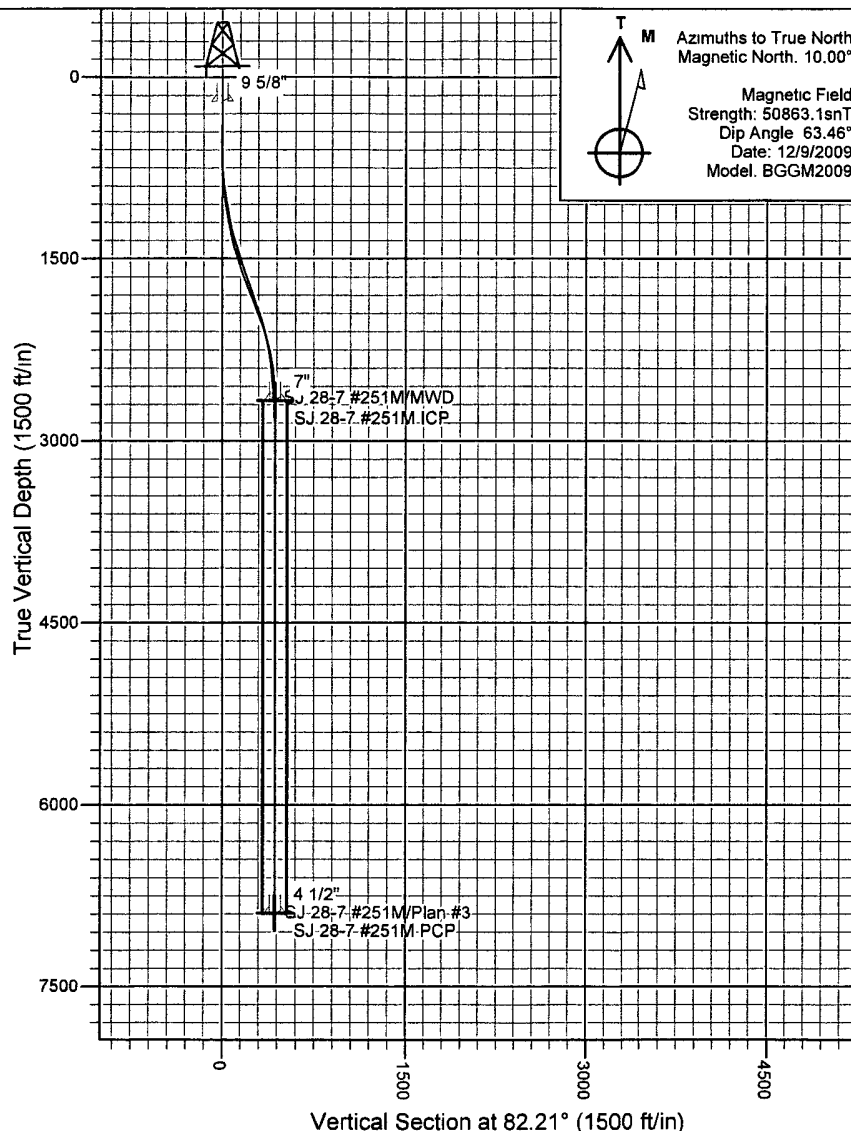
Carrie Reed

Notary Signature
County of Midland
State of Texas



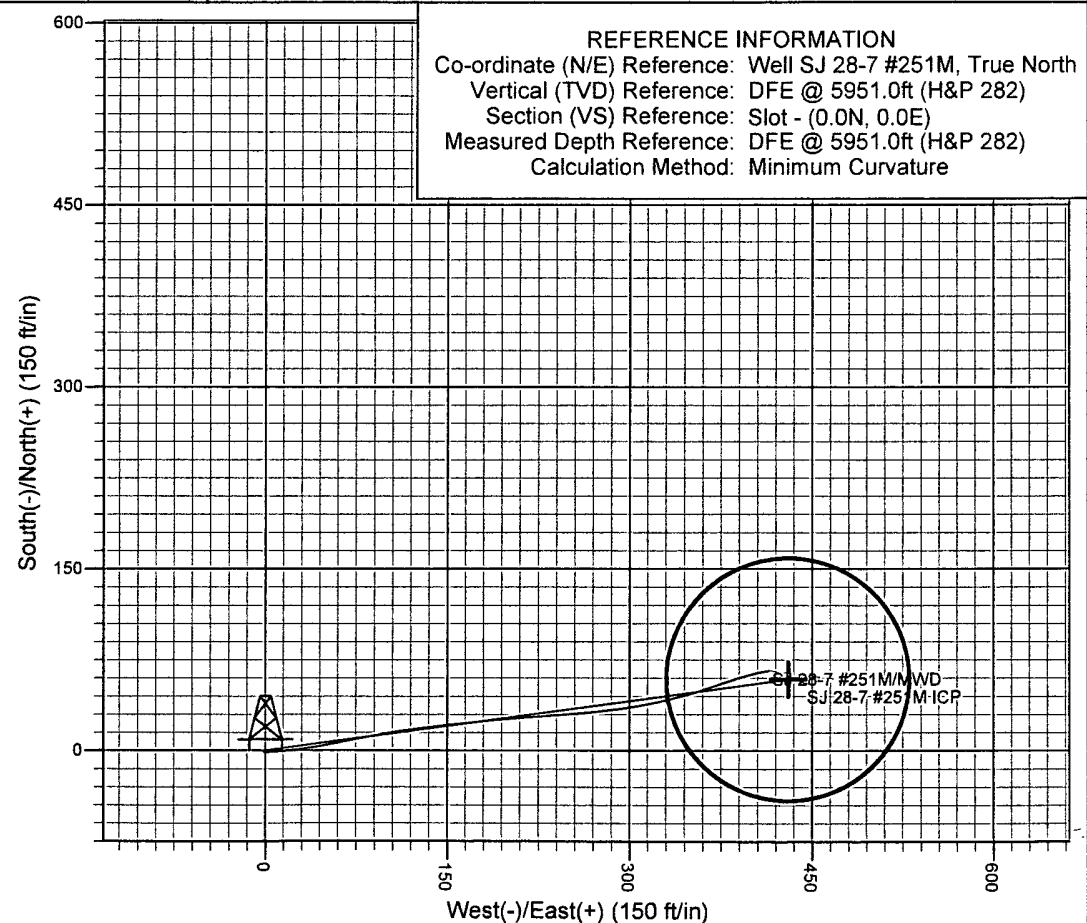


Project: SJB (NM Central)
Site: SEC 31-T28N-R7W
Well: SJ 28-7 #251M
Wellbore: Original Hole
Design: Plan #3



WELL DETAILS: SJ 28-7 #251M
DFE @ 5951.0ft (H&P 282)
Ground Level: 5935.0
Easting 97557.51 Latitude 36° 37' 22.824 N Longitude 107° 37' 17.040 W

+N/-S	+E/-W	Northing
0.0	0.0	2048865.16



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 28-7 #251M, True North
Vertical (TVD) Reference: DFE @ 5951.0ft (H&P 282)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: DFE @ 5951.0ft (H&P 282)
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 Uncertainty: 0.0
Convergence: -0.82
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #251M
Project:	SJB (NM Central)	TVD Reference:	DFE @ 5951.0ft (H&P 282)
Site:	SEC 31-T28N-R7W	MD Reference:	DFE @ 5951 0ft (H&P 282)
Well:	SJ 28-7 #251M	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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 #251M, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,048,865.16 ft	Latitude:	36° 37' 22.824 N
	+E/-W	0.0 ft	Easting:	97,557 51 ft	Longitude:	107° 37' 17 040 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	5,935 0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2009	12/9/2009	10 00	63.46	50,863

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0 0	0.0	0 0	82.21

Survey Program	Date 2/4/2010			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
299 0	2,703.0	MWD (Original Hole)	MWD SDI	MWD - Standard ver 1 0.1

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
299.0	0.27	225.21	299.0	-0.5	-0.5	-0.6	0.09	0.09	0.00
391.0	0.23	252.21	391.0	-0.7	-0.8	-0.9	0.13	-0.04	29.35
484.0	0.03	144.98	484.0	-0.8	-1.0	-1.1	0.26	-0.22	-115 30
545.0	0.51	155.13	545.0	-1.0	-0.9	-1.0	0.79	0.79	16.64
605 0	0.83	99.52	605.0	-1.4	-0.3	-0.5	1.14	0.53	-92 68
635 0	1.17	103.32	635.0	-1.5	0.2	0.0	1.15	1.13	12.67
666 0	1.56	91.10	666.0	-1.5	0.9	0.7	1.56	1.26	-39.42
697.0	2.40	80 55	697.0	-1.4	2.0	1 8	2.94	2.71	-34 03
728.0	3.07	84.60	727.9	-1.3	3.4	3 2	2.25	2.16	13.06
758 0	3.50	84.20	757.9	-1.1	5.2	5.0	1.44	1.43	-1.33
789 0	3.91	85.38	788 8	-0.9	7.1	7.0	1.35	1 32	3.81
820 0	4.57	87.23	819.7	-0.8	9.4	9.2	2.17	2 13	5.97

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #251M
Project:	SJB (NM Central)	TVD Reference:	DFE @ 5951.0ft (H&P 282)
Site:	SEC 31-T28N-R7W	MD Reference:	DFE @ 5951.0ft (H&P 282)
Well:	SJ 28-7 #251M	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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)
851.0	5.18	85.32	850.6	-0.6	12.1	11.9	2.04	1.97	-6.16
900.0	6.51	83.63	899.4	-0.1	17.0	16.9	2.74	2.71	-3.45
945.0	7.39	83.23	944.0	0.5	22.4	22.3	1.96	1.96	-0.89
990.0	8.41	82.61	988.6	1.3	28.6	28.5	2.27	2.27	-1.38
1,035.0	9.61	82.45	1,033.0	2.2	35.6	35.5	2.67	2.67	-0.36
1,080.0	10.40	80.41	1,077.4	3.4	43.3	43.3	1.92	1.76	-4.53
1,125.0	11.19	78.86	1,121.6	4.9	51.6	51.8	1.87	1.76	-3.44
1,170.0	12.00	78.10	1,165.6	6.7	60.4	60.8	1.83	1.80	-1.69
1,215.0	12.80	78.47	1,209.6	8.7	69.9	70.4	1.79	1.78	0.82
1,260.0	13.60	78.86	1,253.4	10.7	80.0	80.7	1.79	1.78	0.87
1,305.0	13.99	79.97	1,297.1	12.6	90.5	91.4	1.05	0.87	2.47
1,349.0	14.89	80.81	1,339.7	14.5	101.3	102.4	2.10	2.05	1.91
1,394.0	16.15	81.34	1,383.1	16.3	113.2	114.4	2.82	2.80	1.18
1,439.0	17.28	82.56	1,426.2	18.2	126.1	127.4	2.63	2.51	2.71
1,484.0	17.93	82.99	1,469.1	19.9	139.6	141.0	1.47	1.44	0.96
1,529.0	18.66	83.77	1,511.8	21.5	153.6	155.1	1.71	1.62	1.73
1,574.0	19.00	84.14	1,554.4	23.0	168.0	169.6	0.80	0.76	0.82
1,619.0	19.19	84.05	1,596.9	24.5	182.7	184.3	0.43	0.42	-0.20
1,709.0	19.22	85.67	1,681.9	27.2	212.2	213.9	0.59	0.03	1.80
1,799.0	18.92	85.07	1,767.0	29.6	241.5	243.2	0.40	-0.33	-0.67
1,889.0	19.20	85.06	1,852.0	32.1	270.7	272.6	0.31	0.31	-0.01
1,979.0	18.24	81.54	1,937.3	35.4	299.4	301.5	1.65	-1.07	-3.91
2,070.0	17.00	76.21	2,024.0	40.7	326.4	328.9	2.23	-1.36	-5.86
2,160.0	14.57	73.40	2,110.6	47.1	350.1	353.2	2.83	-2.70	-3.12
2,250.0	11.70	71.50	2,198.2	53.2	369.6	373.4	3.22	-3.19	-2.11
2,340.0	8.98	70.93	2,286.8	58.4	384.9	389.2	3.02	-3.02	-0.63
2,430.0	6.48	74.69	2,375.9	62.0	396.4	401.2	2.83	-2.78	4.18
2,520.0	4.61	76.51	2,465.5	64.2	404.8	409.8	2.09	-2.08	2.02
2,610.0	3.36	82.70	2,555.3	65.4	411.0	416.0	1.47	-1.39	6.88
2,703.0	1.43	74.10	2,648.2	66.1	414.8	419.9	2.11	-2.08	-9.25

Checked By: _____ Approved By: _____ Date: _____