

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35134		*Pool Code 72319 / 71599		*Pool Name BLANCO MESA VERDE / DAKOTA		BASIN	
*Property Code 31323		*Property Name BLANCO				*Well Number 13M	
*GRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY				*Elevation 6329	

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
G	26	31 N	8 W		1750	NORTH	1605	EAST	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
H	26	31 N	8 W		1672'	NORTH	746'	EAST	SAN JUAN

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

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 S 89°57'47" E 2602.32' 2592.66' N 0°21'05" W 2588.41' N 0°21'05" W	O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION LAT: 36.8710651° N LONG: 107.6414320° W NAD 83 LAT: 36°52.26362' N LONG: 107°38.44922' W NAD 27 N 85°59'11" E 846.28' SECTION 26 USA NM-012641	S 89°56'49" E 2604.49' 1750' 1672' 746' 1605' LAT: 36.8712231° N LONG: 107.6385455° W NAD 83 LAT: 36°52.27310' N LONG: 107°38.27604' W NAD 27	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. <i>Patsy Clugston</i> 10/25/10 Signature Date Patsy Clugston Printed Name
	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. 9/15/09 Date of Survey Signature and Seal of Professional Surveyor 17078 Certificate Number		
	NOTE: BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83.		
	S 89°59'01" W 2618.72' S 89°57'19" W 2619.01'		

COP Deviation Report

ConocoPhillips

BLANCO #13M

Operator CONOCOPHILLIPS COMPANY	Legal WellName BLANCO #13M	API / UWI 3004535134	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 026-031N-008W-G	N/S Dist (ft) 1,750.00	N/S Ref FNL	E/W Dist (ft) 1,605.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/12/2010	0.00	0.00	IncAzi-MWD	Scientific Drilling
8/12/2010	274.00	0.34	IncAzi-MWD	Scientific Drilling
8/12/2010	336.00	0.42	IncAzi-MWD	Scientific Drilling
8/12/2010	398.00	1.55	IncAzi-MWD	Scientific Drilling
8/12/2010	458.00	3.05	IncAzi-MWD	Scientific Drilling
8/13/2010	520.00	4.50	IncAzi-MWD	Scientific Drilling
8/13/2010	582.00	6.06	IncAzi-MWD	Scientific Drilling
8/13/2010	644.00	7.34	IncAzi-MWD	Scientific Drilling
8/13/2010	706.00	9.43	IncAzi-MWD	Scientific Drilling
8/13/2010	768.00	11.40	IncAzi-MWD	Scientific Drilling
8/13/2010	829.00	13.00	IncAzi-MWD	Scientific Drilling
8/13/2010	891.00	14.68	IncAzi-MWD	Scientific Drilling
8/13/2010	955.00	16.85	IncAzi-MWD	Scientific Drilling
8/13/2010	1,019.00	18.58	IncAzi-MWD	Scientific Drilling
8/13/2010	1,083.00	19.90	IncAzi-MWD	Scientific Drilling
8/13/2010	1,146.00	21.34	IncAzi-MWD	Scientific Drilling
8/13/2010	1,209.00	23.64	IncAzi-MWD	Scientific Drilling
8/13/2010	1,272.00	24.63	IncAzi-MWD	Scientific Drilling
8/13/2010	1,336.00	26.11	IncAzi-MWD	Scientific Drilling
8/13/2010	1,399.00	27.87	IncAzi-MWD	Scientific Drilling
8/13/2010	1,462.00	27.87	IncAzi-MWD	Scientific Drilling
8/13/2010	1,525.00	28.17	IncAzi-MWD	Scientific Drilling
8/13/2010	1,588.00	27.91	IncAzi-MWD	Scientific Drilling
8/13/2010	1,651.00	27.69	IncAzi-MWD	Scientific Drilling
8/13/2010	1,714.00	27.27	IncAzi-MWD	Scientific Drilling
8/13/2010	1,778.00	27.41	IncAzi-MWD	Scientific Drilling
8/13/2010	1,841.00	27.10	IncAzi-MWD	Scientific Drilling
8/13/2010	1,905.00	27.61	IncAzi-MWD	Scientific Drilling
8/13/2010	1,968.00	27.23	IncAzi-MWD	Scientific Drilling
8/13/2010	2,031.00	26.31	IncAzi-MWD	Scientific Drilling
8/13/2010	2,095.00	24.24	IncAzi-MWD	Scientific Drilling
8/13/2010	2,158.00	22.35	IncAzi-MWD	Scientific Drilling
8/13/2010	2,221.00	20.94	IncAzi-MWD	Scientific Drilling
8/13/2010	2,284.00	20.39	IncAzi-MWD	Scientific Drilling
8/13/2010	2,348.00	20.75	IncAzi-MWD	Scientific Drilling
8/13/2010	2,411.00	19.06	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.

Subscribed and sworn to me this _____

RCVD OCT 27 '10

OIL CONS. DIV.

Notary Public in and for San Juan County, New Mexico

DIST. 3

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/13/2010	2,475.00	18.68	IncAzi-MWD	Scientific Drilling
8/13/2010	2,538.00	17.91	IncAzi-MWD	Scientific Drilling
8/13/2010	2,601.00	17.14	IncAzi-MWD	Scientific Drilling
8/13/2010	2,664.00	16.24	IncAzi-MWD	Scientific Drilling
8/13/2010	2,728.00	14.74	IncAzi-MWD	Scientific Drilling
8/13/2010	2,791.00	13.54	IncAzi-MWD	Scientific Drilling
8/13/2010	2,854.00	12.52	IncAzi-MWD	Scientific Drilling
8/13/2010	2,916.00	9.88	IncAzi-MWD	Scientific Drilling
8/14/2010	2,980.00	8.97	IncAzi-MWD	Scientific Drilling
8/14/2010	3,043.00	7.14	IncAzi-MWD	Scientific Drilling
8/14/2010	3,107.00	4.95	IncAzi-MWD	Scientific Drilling
8/14/2010	3,170.00	3.60	IncAzi-MWD	Scientific Drilling
8/14/2010	3,233.00	2.15	IncAzi-MWD	Scientific Drilling
8/14/2010	3,295.00	2.05	IncAzi-MWD	Scientific Drilling
8/14/2010	3,359.00	1.50	IncAzi-MWD	Scientific Drilling
8/14/2010	3,422.00	0.93	IncAzi-MWD	Scientific Drilling
8/14/2010	3,485.00	0.78	IncAzi-MWD	Scientific Drilling
8/14/2010	3,549.00	0.54	IncAzi-MWD	Scientific Drilling
8/24/2010	8,018.00	1.00	Inc-WL	PHOENIX

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.

Mike Smith

Subscribed and sworn to me this 10/26/10

Patricia R. Clugston

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/2/2012

ConocoPhillips

SJB (NM West)

SEC 26-T31N-R8W

Blanco #13M

Original Hole

RCVD OCT 27 '10

OIL CONS. DIV.

DIST. 3

Survey: Actual

SDI Standard Survey Report

25 August, 2010

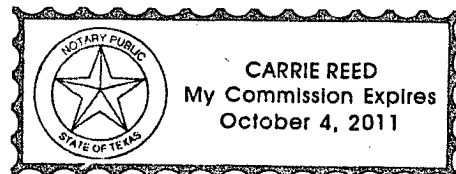
This survey is correct to the best of my knowledge and is supported by actual field data.

Robert

Notorized this date 25th of August, 2010.

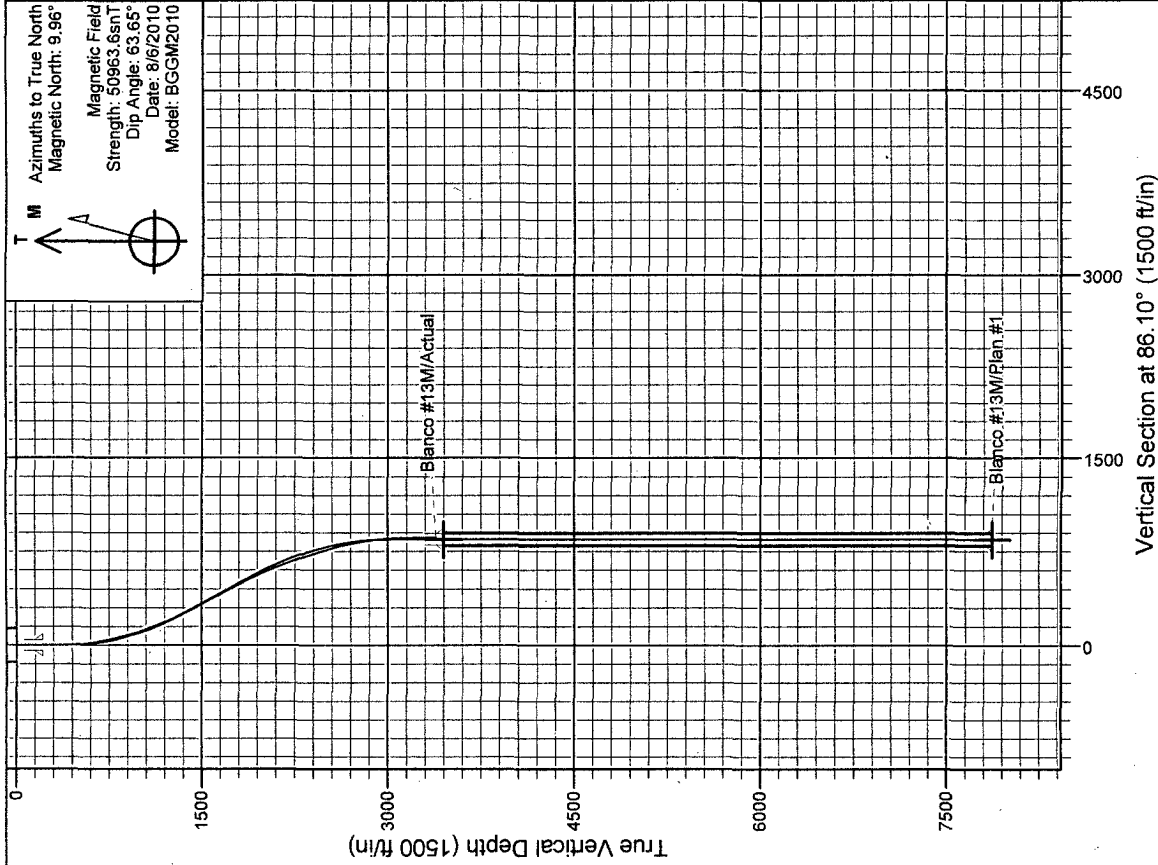
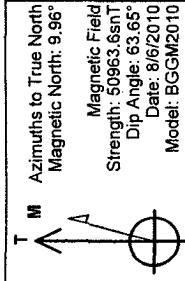
Carrie Reed

Notary Signature
County of Midland
State of Texas





Project: SJB (NM West)
Site: SEC 26-T31N-R8W
Well: Blanco #13M
Wellbore: Original Hole
Design: Plan #1

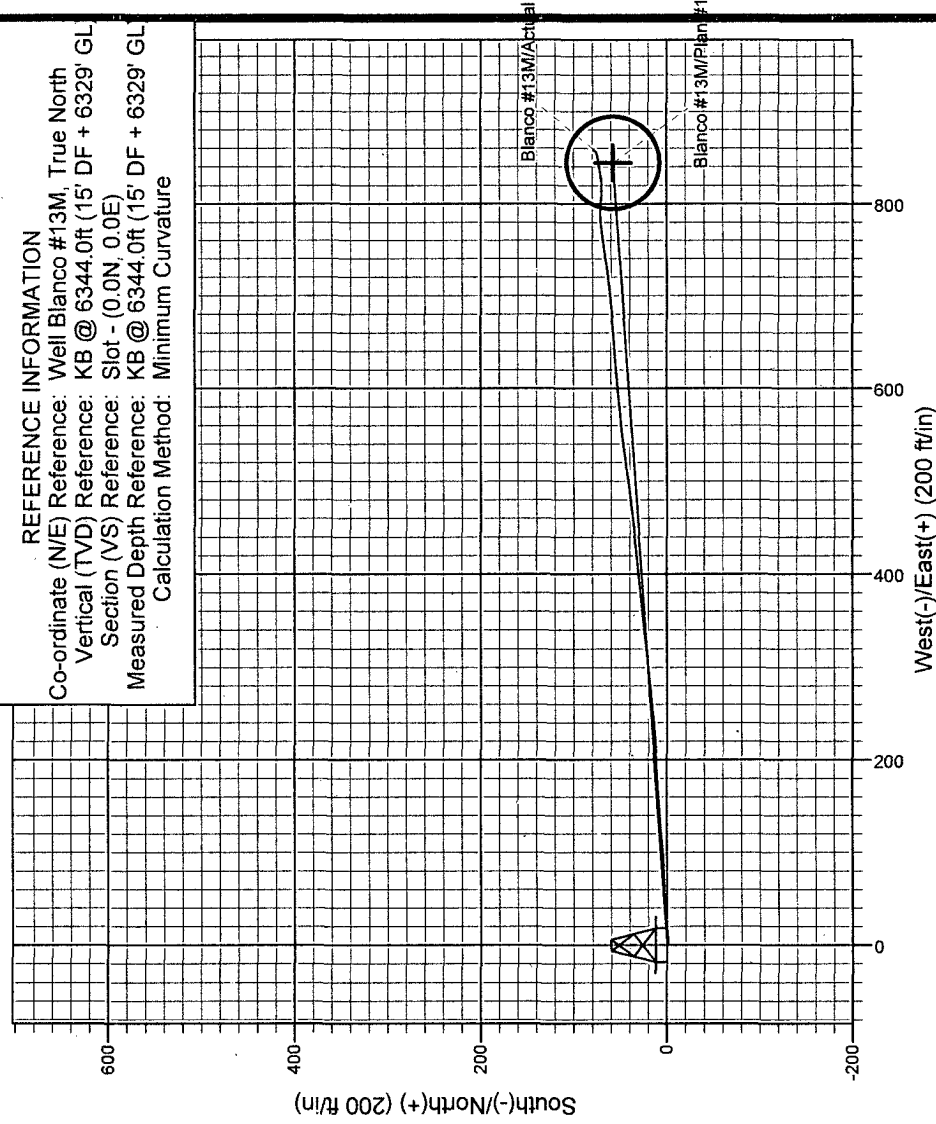


WELL DETAILS: Blanco #13M
KB @ 6344.0ft (15' DF + 6329' GL)
Ground Level: 6329.0
Easting 556311.55
Northing 2136385.12
+E/W 0.0
+N/S 0.0

Latitude 36° 52' 15.817 N
Longitude 107° 38' 26.953 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Blanco #13M, True North
Vertical (TVD) Reference: KB @ 6344.0ft (15' DF + 6329' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: KB @ 6344.0ft (15' DF + 6329' 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 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

SITE DETAILS: SEC 26-T31N-R8W
Site Centre Latitude: 36° 52' 15.817 N
Longitude: 107° 38' 26.953 W
Positional Uncertainty: 0.0
Convergence: 0.12
Local North: True

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Blanco #13M
Project:	SJB (NM West)	TVD Reference:	KB @ 6344.0ft (15' DF + 6329' GL)
Site:	SEC 26-T31N-R8W	MD Reference:	KB @ 6344.0ft (15' DF + 6329' GL)
Well:	Blanco #13M	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM West), 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 26-T31N-R8W		
Site Position:		Northing:	2,136,385.12 ft
From:	Lat/Long	Easting:	556,311.55 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 52' 15.817 N
		Longitude:	107° 38' 26.953 W
		Grid Convergence:	0.12 °

Well	Blanco #13M		
Well Position	+N/-S	0.0 ft	Northing: 2,136,385.12 ft
	+E/-W	0.0 ft	Easting: 556,311.55 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 52' 15.817 N
		Longitude:	107° 38' 26.953 W
		Ground Level:	6,329.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	8/6/2010	9.96	63.65	50,964

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	31.40

Survey Program	Date	8/25/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
274.0	3,549.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
274.0	0.34	309.72	274.0	0.5	-0.6	309.72	0.8	
336.0	0.42	141.87	336.0	0.5	-0.6	306.19	0.8	
398.0	1.55	122.00	398.0	-0.2	0.2	126.23	0.3	
458.0	3.05	99.11	457.9	-0.8	2.5	108.80	2.6	
520.0	4.50	86.53	519.8	-1.0	6.5	98.36	6.6	
582.0	6.06	81.99	581.5	-0.4	12.2	91.68	12.2	
644.0	7.34	84.09	643.1	0.5	19.4	88.51	19.4	
706.0	9.43	88.00	704.4	1.1	28.4	87.80	28.4	
768.0	11.40	87.02	765.4	1.6	39.6	87.71	39.6	
829.0	13.00	87.21	825.0	2.2	52.5	87.56	52.5	
891.0	14.68	87.89	885.2	2.9	67.3	87.56	67.4	

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Blanco #13M
Project:	SJB (NM West)	TVD Reference:	KB @ 6344.0ft (15' DF + 6329' GL)
Site:	SEC 26-T31N-R8W	MD Reference:	KB @ 6344.0ft (15' DF + 6329' GL)
Well:	Blanco #13M	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
955.0	16.85	86.14	946.8	3.8	84.7	87.44	84.7
1,019.0	18.58	85.74	1,007.8	5.2	104.1	87.16	104.2
1,083.0	19.90	85.20	1,068.2	6.8	125.1	86.87	125.3
1,146.0	21.34	85.96	1,127.2	8.5	147.2	86.68	147.5
1,209.0	23.64	86.58	1,185.4	10.1	171.3	86.62	171.6
1,272.0	24.63	87.61	1,242.9	11.4	197.0	86.69	197.3
1,336.0	26.11	85.42	1,300.7	13.1	224.4	86.66	224.7
1,399.0	27.87	84.95	1,356.8	15.5	252.9	86.49	253.3
1,462.0	27.87	84.10	1,412.5	18.3	282.2	86.29	282.8
1,525.0	28.17	83.19	1,468.2	21.6	311.6	86.04	312.3
1,588.0	27.91	84.52	1,523.8	24.7	341.0	85.85	341.9
1,651.0	27.69	84.81	1,579.5	27.5	370.3	85.76	371.3
1,714.0	27.27	84.27	1,635.4	30.2	399.2	85.67	400.4
1,778.0	27.41	83.91	1,692.2	33.3	428.5	85.56	429.7
1,841.0	27.10	83.11	1,748.2	36.5	457.1	85.43	458.6
1,905.0	27.61	82.94	1,805.1	40.1	486.3	85.29	488.0
1,968.0	27.23	82.35	1,861.0	43.8	515.1	85.14	516.9
2,031.0	26.31	83.26	1,917.2	47.4	543.2	85.02	545.3
2,095.0	24.24	84.97	1,975.1	50.2	570.4	84.97	572.6
2,158.0	22.35	84.42	2,033.0	52.5	595.2	84.96	597.5
2,221.0	20.94	85.54	2,091.5	54.5	618.4	84.96	620.8
2,284.0	20.39	85.90	2,150.5	56.2	640.5	84.99	643.0
2,348.0	20.75	86.62	2,210.4	57.7	663.0	85.03	665.5
2,411.0	19.06	84.79	2,269.6	59.2	684.4	85.05	686.9
2,475.0	18.68	82.49	2,330.2	61.5	704.9	85.01	707.6
2,538.0	17.91	83.40	2,390.0	64.0	724.6	84.95	727.4
2,601.0	17.14	82.26	2,450.1	66.3	743.4	84.90	746.3
2,664.0	16.24	82.17	2,510.4	68.8	761.3	84.84	764.4
2,728.0	14.74	84.21	2,572.1	70.8	778.3	84.80	781.5
2,791.0	13.54	92.99	2,633.2	71.2	793.6	84.87	796.8
2,854.0	12.52	95.03	2,694.6	70.3	807.8	85.03	810.8
2,916.0	9.88	87.61	2,755.4	69.9	819.8	85.13	822.8
2,980.0	8.97	81.32	2,818.5	70.9	830.2	85.12	833.2
3,043.0	7.14	78.50	2,880.9	72.4	838.9	85.07	842.0
3,107.0	4.95	82.24	2,944.6	73.6	845.5	85.03	848.7
3,170.0	3.60	81.13	3,007.4	74.2	850.2	85.01	853.4
3,233.0	2.15	81.50	3,070.3	74.7	853.3	85.00	856.6
3,295.0	2.05	63.22	3,132.3	75.4	855.4	84.96	858.8
3,359.0	1.50	18.50	3,196.2	76.7	856.7	84.88	860.2
3,422.0	0.93	59.40	3,259.2	77.7	857.4	84.82	861.0
3,485.0	0.78	76.73	3,322.2	78.1	858.3	84.80	861.8
3,549.0	0.54	74.46	3,386.2	78.3	859.0	84.79	862.6