

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35098	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 18576	⁵ Property Name MARK MADDOX	⁶ Well Number 1 B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6375'

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
B	15	32N	11W		662'	NORTH	1589'	EAST	SAN JUAN

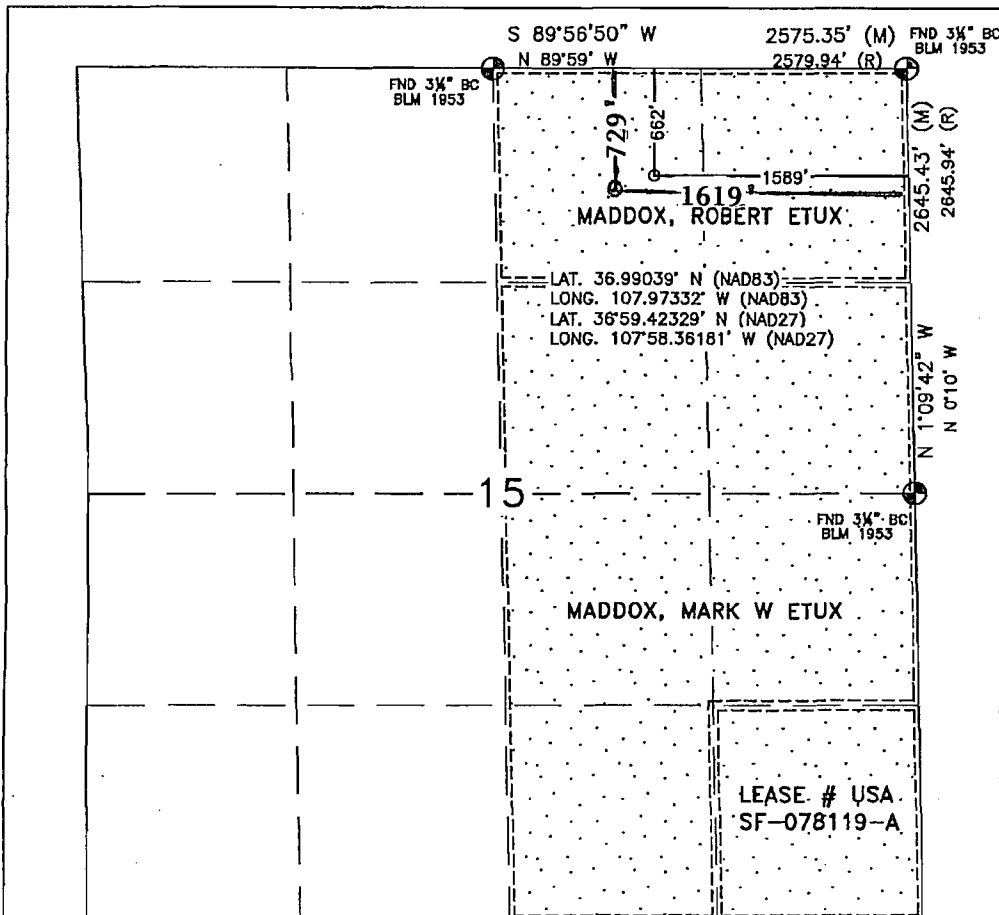
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	32N	11W		729'	NORTH	1619'	EAST	SAN JUAN

¹² Dedicated Acres 320.00 ACRES - E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD FEB 8 '13 OIL CONS. DIV.
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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 DIST. 3

18



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 or a compulsory pooling order heretofore entered by the division.

Arleen White 2-7-13
Signature Date

Arleen White
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.

JUNE 2, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

AV

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName MARK MADDOX #1B	API / UWI 3004535098	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 015-032N-011W-B	N/S Dist (ft) 662.00	N/S Ref FNL	E/W Dist (ft) 1,589.00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/6/2012	0.00	0.00	0.00	IncAzi-MWD	Scientific Drilling
11/6/2012	268.00	2.03	56.18	IncAzi-MWD	Scientific Drilling
11/6/2012	391.00	1.82	51.99	IncAzi-MWD	Scientific Drilling
11/6/2012	514.00	2.57	53.54	IncAzi-MWD	Scientific Drilling
11/6/2012	637.00	3.39	54.31	IncAzi-MWD	Scientific Drilling
11/6/2012	760.00	4.48	54.36	IncAzi-MWD	Scientific Drilling
11/6/2012	885.00	4.67	48.99	IncAzi-MWD	Scientific Drilling
11/6/2012	1,011.00	4.61	48.33	IncAzi-MWD	Scientific Drilling
11/6/2012	1,138.00	4.73	42.38	IncAzi-MWD	Scientific Drilling
11/6/2012	1,265.00	5.42	40.49	IncAzi-MWD	Scientific Drilling
11/6/2012	1,391.00	6.49	38.66	IncAzi-MWD	Scientific Drilling
11/6/2012	1,644.00	8.02	34.14	IncAzi-MWD	Scientific Drilling
11/6/2012	1,769.00	8.75	31.93	IncAzi-MWD	Scientific Drilling
11/6/2012	1,895.00	9.18	30.63	IncAzi-MWD	Scientific Drilling
11/6/2012	2,021.00	9.12	28.25	IncAzi-MWD	Scientific Drilling
11/6/2012	2,050.00	8.73	28.17	IncAzi-MWD	Scientific Drilling
11/6/2012	2,085.00	8.28	28.00	IncAzi-MWD	Scientific Drilling
11/6/2012	2,149.00	6.55	26.39	IncAzi-MWD	Scientific Drilling
11/6/2012	2,212.00	5.23	30.01	IncAzi-MWD	Scientific Drilling
11/6/2012	2,275.00	3.29	28.94	IncAzi-MWD	Scientific Drilling
11/6/2012	2,338.00	1.50	35.19	IncAzi-MWD	Scientific Drilling
11/6/2012	2,402.00	0.85	273.02	IncAzi-MWD	Scientific Drilling
11/6/2012	2,465.00	2.43	229.17	IncAzi-MWD	Scientific Drilling
11/6/2012	2,528.00	4.21	214.49	IncAzi-MWD	Scientific Drilling
11/6/2012	2,592.00	6.18	213.49	IncAzi-MWD	Scientific Drilling
11/6/2012	2,655.00	7.86	216.61	IncAzi-MWD	Scientific Drilling
11/6/2012	2,719.00	9.58	219.63	IncAzi-MWD	Scientific Drilling
11/6/2012	2,782.00	11.58	220.88	IncAzi-MWD	Scientific Drilling
11/6/2012	2,845.00	13.03	218.59	IncAzi-MWD	Scientific Drilling
11/6/2012	2,909.00	14.70	216.59	IncAzi-MWD	Scientific Drilling
11/7/2012	2,973.00	16.11	218.57	IncAzi-MWD	Scientific Drilling
11/7/2012	3,036.00	15.43	218.24	IncAzi-MWD	Scientific Drilling
11/7/2012	3,099.00	15.58	216.87	IncAzi-MWD	Scientific Drilling
11/7/2012	3,161.00	16.18	213.04	IncAzi-MWD	Scientific Drilling
11/7/2012	3,224.00	16.01	212.38	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 _____

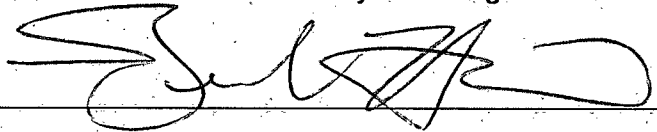
Notary Public in and for San Juan County, New Mexico

My Commission expires _____

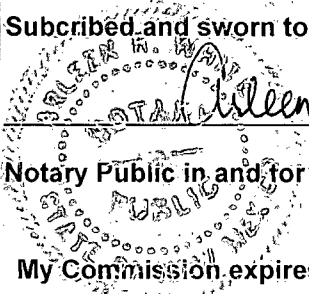
Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/7/2012	3,288.00	15.36	212.47	IncAzi-MWD	Scientific Drilling
11/7/2012	3,351.00	14.57	211.65	IncAzi-MWD	Scientific Drilling
11/7/2012	3,414.00	13.65	211.46	IncAzi-MWD	Scientific Drilling
11/7/2012	3,477.00	13.04	211.66	IncAzi-MWD	Scientific Drilling
11/7/2012	3,540.00	11.93	210.23	IncAzi-MWD	Scientific Drilling
11/7/2012	3,604.00	10.75	209.78	IncAzi-MWD	Scientific Drilling
11/7/2012	3,667.00	9.39	207.93	IncAzi-MWD	Scientific Drilling
11/7/2012	3,730.00	7.65	206.70	IncAzi-MWD	Scientific Drilling
11/7/2012	3,794.00	5.95	208.20	IncAzi-MWD	Scientific Drilling
11/8/2012	3,818.00	5.49	205.56	IncAzi-MWD	Scientific Drilling
11/8/2012	3,861.00	4.17	203.16	IncAzi-MWD	Scientific Drilling
11/8/2012	3,916.00	2.48	200.09	Projection	Scientific Drilling
11/16/2012	7,744.00	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.



Subscribed and sworn to me this 2/7/13

 Kathleen White

Notary Public in and for San Juan County, New Mexico

My Commission expires 5/26/15



RCVD FEB 8 '13
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)

SEC 15-T32N-R11W

Mark Maddox 1B

30-64S-35098

OH

Design: OH

Standard Survey Report

13 November, 2012

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

Notarized this date 13th of November, 2012.

Notary Signature
County of Mesa
State of Colorado



My Commission Expires 11/26/2012



Scientific Drilling



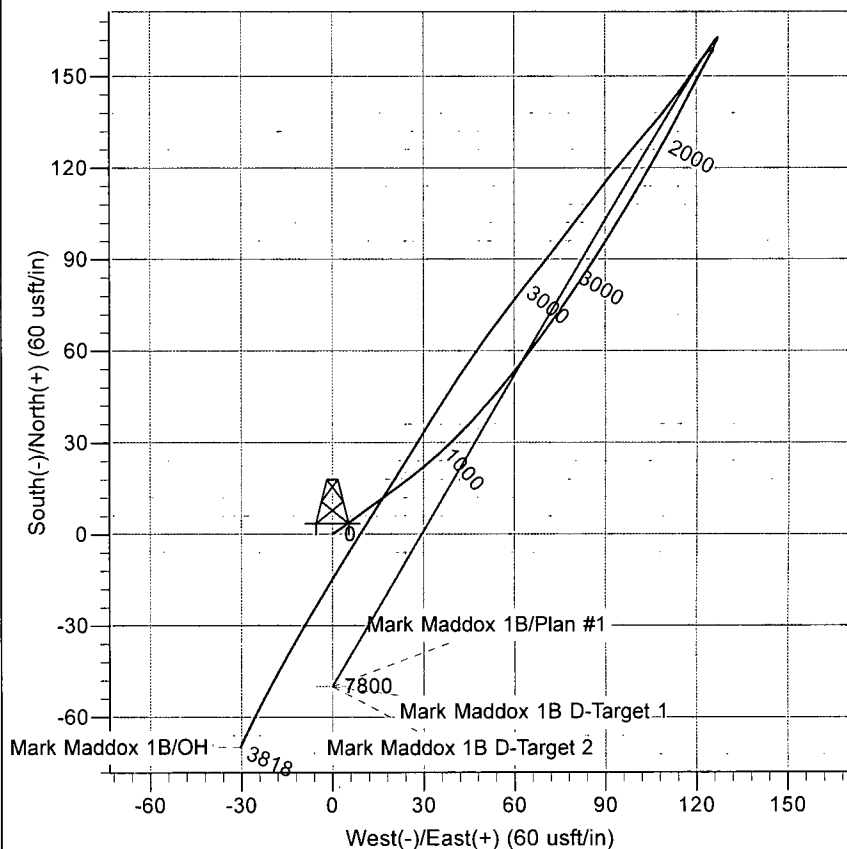
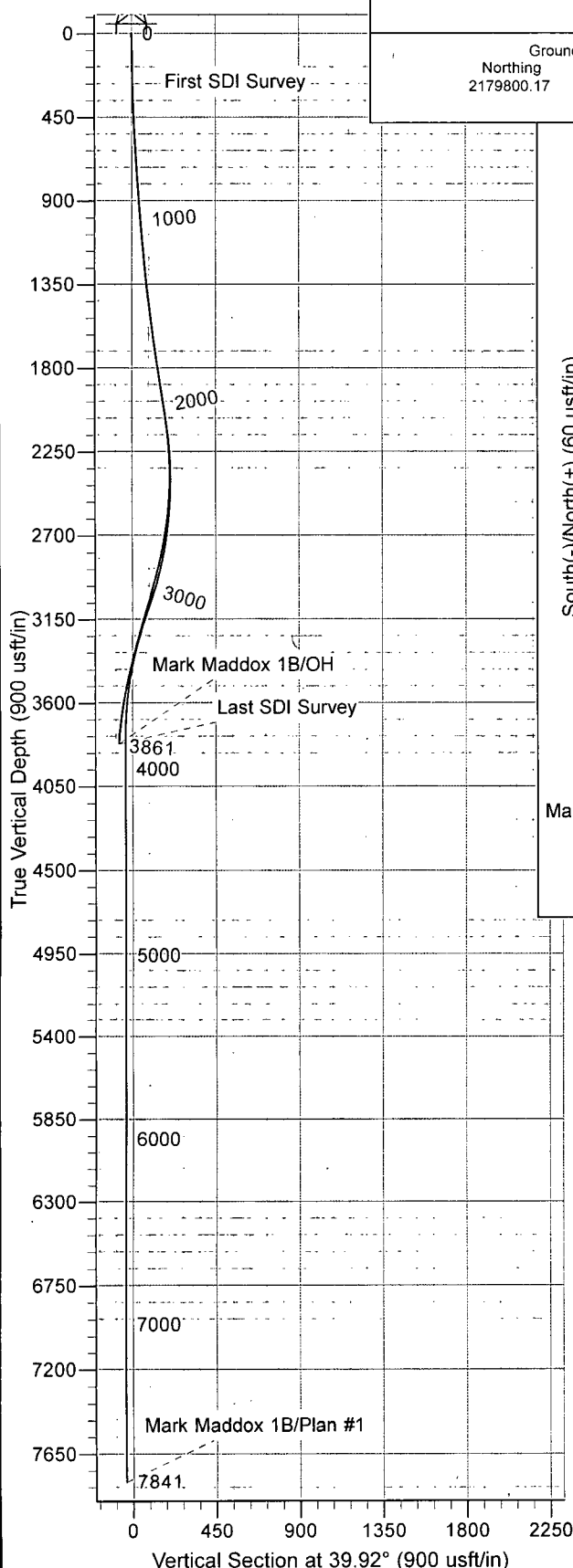
Project: SJB (NM West)
 Site: SEC 15-T32N-R11W
 Well: Mark Maddox 1B
 Wellbore: OH
 Design: OH



WELL DETAILS: Mark Maddox 1B

Ground Level: GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
 Northing 2179800.17 Easting 459298.60 Latitude 36° 59' 25.397 N Longitude 107° 58' 21.709 W

Azimuths to True North
 Magnetic North: 9.88°
 Magnetic Field
 Strength: 50657.1snT
 Dip Angle: 63.59°
 Date: 11/05/2012
 Model: BGGM2012

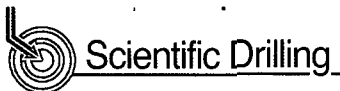


REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Mark Maddox 1B, True North
 Vertical (TVD) Reference: GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
 Calculation Method: Minimum Curvature
 Local North: True

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



Scientific Drilling International

Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mark Maddox 1B
Project:	SJB (NM West)	TVD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Site:	SEC 15-T32N-R11W	MD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Well:	Mark Maddox 1B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington 5000 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)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 15-T32N-R11W		
Site Position:		Northing:	2,176,778.65 usft
From:	Lat/Long	Easting:	459,145.18 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Grid Convergence:	-0.08 °

Well	Mark Maddox 1B, 662' FNL & 1589' FEL		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	6,375.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2012	11/05/12	9.88
			Dip Angle (°)
			63.59
			Field Strength (nT)
			50,657

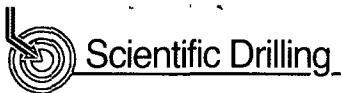
Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)
	0.0	0.0	0.0
			Direction (°)
			39.92

Survey Program	Date 11/13/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
268.0	3,861.0	Survey #1 - MWD Surveys (OH)	MWD SDI
			Description
			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
268.0	2.03	56.18	267.9	2.6	3.9	4.6	0.76	0.76	0.00
First SDI Survey									
391.0	1.82	51.99	390.9	5.1	7.3	8.6	0.21	-0.17	-3.41
514.0	2.57	53.54	513.8	7.9	11.0	13.1	0.61	0.61	1.26
637.0	3.39	54.31	636.6	11.7	16.2	19.4	0.67	0.67	0.63
760.0	4.48	54.36	759.3	16.6	23.1	27.5	0.89	0.89	0.04
885.0	4.67	48.99	883.9	22.8	30.9	37.3	0.37	0.15	-4.30
1,011.0	4.61	48.33	1,009.5	29.5	38.5	47.4	0.06	-0.05	-0.52
1,138.0	4.73	42.38	1,136.1	36.8	45.9	57.6	0.39	0.09	-4.69
1,265.0	5.42	40.49	1,262.6	45.2	53.3	68.9	0.56	0.54	-1.49

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mark Maddox 1B
Project:	SJB (NM West)	TVD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Site:	SEC 15-T32N-R11W	MD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Well:	Mark Maddox 1B	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)
1,391.0	6.49	38.66	1,387.9	55.3	61.6	81.9	0.86	0.85	-1.45
1,644.0	8.02	34.14	1,638.9	81.0	80.5	113.8	0.65	0.60	-1.79
1,769.0	8.75	31.93	1,762.5	96.3	90.4	131.9	0.64	0.58	-1.77
1,895.0	9.18	30.63	1,887.0	113.1	100.6	151.3	0.38	0.34	-1.03
2,021.0	9.12	28.25	2,011.4	130.6	110.4	171.0	0.30	-0.05	-1.89
2,050.0	8.73	28.17	2,040.0	134.5	112.5	175.4	1.35	-1.34	-0.28
2,085.0	8.28	28.00	2,074.7	139.1	115.0	180.5	1.29	-1.29	-0.49
2,149.0	6.55	26.39	2,138.1	146.4	118.8	188.5	2.72	-2.70	-2.52
2,212.0	5.23	30.01	2,200.8	152.1	121.8	194.8	2.18	-2.10	5.75
2,275.0	3.29	28.94	2,263.6	156.2	124.1	199.4	3.08	-3.08	-1.70
2,338.0	1.50	35.19	2,326.6	158.5	125.5	202.0	2.87	-2.84	9.92
2,402.0	0.85	273.02	2,390.5	159.2	125.5	202.6	3.25	-1.02	-190.89
2,465.0	2.43	229.17	2,453.5	158.3	124.0	201.0	3.03	2.51	-69.60
2,528.0	4.21	214.49	2,516.4	155.5	121.7	197.4	3.11	2.83	-23.30
2,592.0	6.18	213.49	2,580.1	150.7	118.4	191.6	3.08	3.08	-1.56
2,655.0	7.86	216.61	2,642.7	144.4	114.0	183.9	2.73	2.67	4.95
2,719.0	9.58	219.63	2,705.9	136.8	108.0	174.2	2.78	2.69	4.72
2,782.0	11.58	220.88	2,767.9	128.0	100.5	162.7	3.20	3.17	1.98
2,845.0	13.03	218.59	2,829.4	117.7	91.9	149.3	2.43	2.30	-3.63
2,909.0	14.70	216.59	2,891.5	105.5	82.6	133.9	2.71	2.61	-3.13
2,973.0	16.11	218.57	2,953.2	92.1	72.2	116.9	2.35	2.20	3.09
3,036.0	15.43	218.24	3,013.9	78.6	61.6	99.8	1.09	-1.08	-0.52
3,099.0	15.58	216.87	3,074.6	65.3	51.3	83.0	0.63	0.24	-2.17
3,161.0	16.18	213.04	3,134.2	51.4	41.6	66.1	1.95	0.97	-6.18
3,224.0	16.01	212.38	3,194.7	36.7	32.2	48.8	0.40	-0.27	-1.05
3,288.0	15.36	212.47	3,256.4	22.1	22.9	31.6	1.02	-1.02	0.14
3,351.0	14.57	211.65	3,317.2	8.3	14.3	15.5	1.30	-1.25	-1.30
3,414.0	13.65	211.46	3,378.3	-4.8	6.2	0.3	1.46	-1.46	-0.30
3,477.0	13.04	211.66	3,439.6	-17.2	-1.4	-14.1	0.97	-0.97	0.32
3,540.0	11.93	210.23	3,501.1	-28.9	-8.4	-27.5	1.83	-1.76	-2.27
3,604.0	10.75	209.78	3,563.9	-39.7	-14.7	-39.9	1.85	-1.84	-0.70
3,667.0	9.39	207.93	3,625.9	-49.4	-20.0	-50.7	2.22	-2.16	-2.94
3,730.0	7.65	206.70	3,688.2	-57.7	-24.3	-59.8	2.78	-2.76	-1.95
3,794.0	5.95	208.20	3,751.8	-64.4	-27.8	-67.2	2.67	-2.66	2.34
3,818.0	5.49	205.56	3,775.6	-66.5	-28.9	-69.6	2.21	-1.92	-11.00
3,861.0	4.17	203.16	3,818.5	-69.8	-30.4	-73.0	3.10	-3.07	-5.58



Scientific Drilling International
Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mark Maddox 1B
Project:	SJB (NM West)	TVD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Site:	SEC 15-T32N-R11W	MD Reference:	GL 6375' & RKB 15' @ 6390.0usft (AWS 730)
Well:	Mark Maddox 1B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington 5000 DB

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
268.0	267.9	2.6	3.9	First SDI Survey
3,861.0	3,818.5	-69.8	-30.4	Last SDI Survey

Checked By: _____ Approved By: _____ Date: _____