RCVD JUN 6 '12
OIL CONS. DIV.
DIST. 3

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 15, 2009
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35253	71599/72319	BASIN DAKOTA / BLANCO MESAVERDE

[4] Property Code	[5] Property Name	[6] Well Number
18561	JOHNS	1B

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	6582

[10] Surface Location

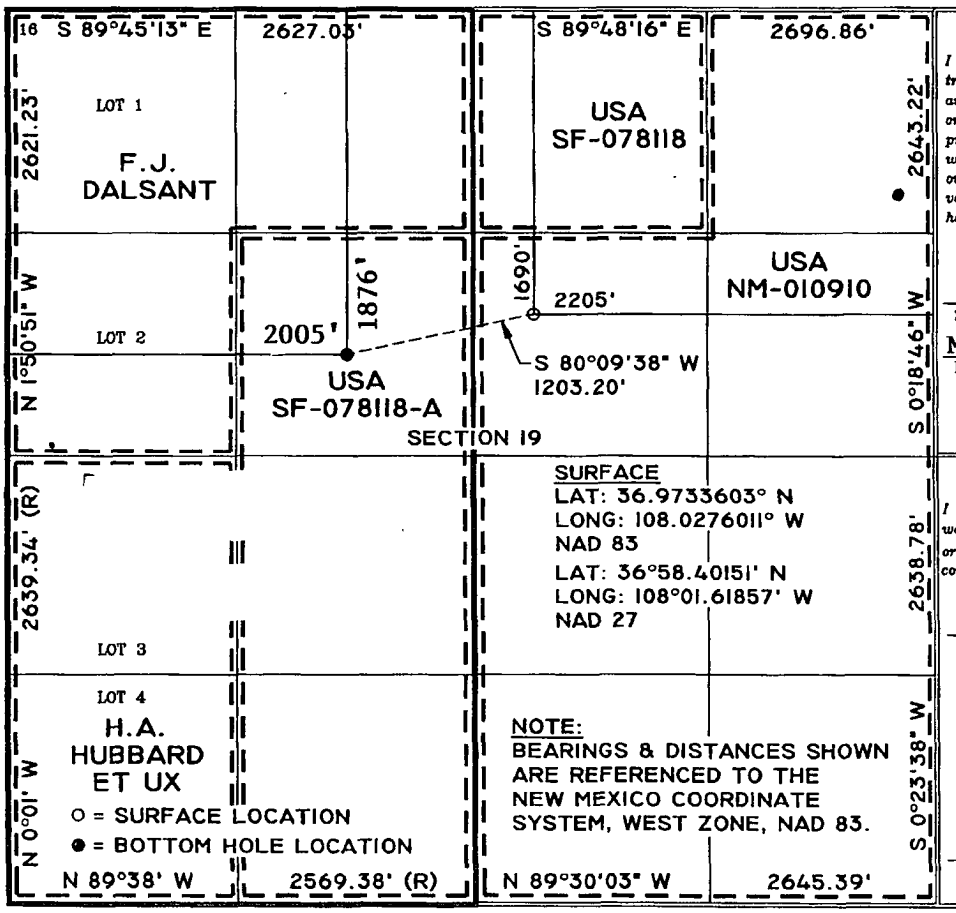
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	19	32 N	11 W		1690	NORTH	2205	EAST	SAN JUAN

[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
F	19	32 N	11 W		1876'	NORTH	2005'	WEST	SAN JUAN

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

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

Marie E. Jaramillo 6/5/12
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.

4/16/10
Date of Survey

Signature and Seal of Professional Surveyor:

MARSHALL W. LINDEEN
NEW MEXICO
5-4-10
17078
REGISTERED PROFESSIONAL SURVEYOR

17078
Certificate Number

ConocoPhillips

Schematic Regulatory

JOHNS #1B

District	Field Name	County	State/Province	API / UWI
NORTH	MV/DK COM	SAN JUAN	NEW MEXICO	3004535253

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
4/5/2012	019-032N-011W-G	2,205.00	FEL	1,690.00	FNL

Well Config: DEVIATED - Original Hole, 6/5/2012 2:31:47 PM

Schematic - Actual

ftKB (MD)	
15	2-1, Casing Joints, 7, 6 366, 15
16	3-1, Casing Joints, 4 1/2, 4.000, 15
17	2-2, Casing Hanger, 7, 6 366, 15, 1.0
18	3-2, Casing Hanger, 4 1/2, 4.000, 15, 1.0
25	2-3, Casing Pup Joint, 7, 6 366, 16, 1.3
65	1-1, CASING HANGER, 9 5/8, 9.001, 15, 3.1
84	3-3, MANDRILL PUP, 4 1/2, 4 000, 16, 9.2
322	3-4, Casing Joints, 4 1/2, 4 000, 25, 39 6
323	3-5, Casing Pup Joint, 4 1/2, 4.000, 65, 19.5
354	1-2, CASING JOINTS, 9 5/8, 9.001, 18, 303 6
355	1-3, FLOAT COLLAR, 9 5/8, 9 001, 322, 1 5
360	1-4, CASING JOINTS, 9 5/8, 9.001, 323, 30.5
1,506	1-5, SAW TOOTH COLLAR, 9 5/8, 9 001, 354, 0.9
1,572	
1,650	3-6, Casing Joints, 4 1/2, 4 000, 84, 1,565.7
2,727	
3,046	2-4, Casing Joints, 7, 6 366, 17, 3,028.9
3,049	2-5, Stage Collar, 7, 6.366, 3,046, 2.5
3,237	
3,444	
3,750	
3,999	3-7, Casing Joints, 4 1/2, 4 000, 1,650, 2,348.6
4,012	3-8, Marker Joint, 4 1/2, 4.000, 3,999, 13.1
4,028	
4,500	
4,502	
4,504	
4,909	
5,150	
5,308	
5,436	2-6, Casing Joints, 7, 6 366, 3,049, 2,387.4
5,437	2-7, Float Collar, 7, 6 366, 5,436, 0.6
5,475	2-8, Casing Joints, 7, 6 366, 5,437, 38 1
5,475	2-9, Float Shoe, 7, 6 366, 5,475, 0 7
5,494	
5,542	
5,691	PERF - POINT LOOKOUT, 5,542-6,064, 5/21/2012
6,064	
6,128	
6,249	
6,251	
7,069	
7,676	3-9, Casing Joints, 4 1/2, 4.000, 4,012, 3,663.9
7,685	3-10, Marker Joint, 4 1/2, 4 000, 7,676, 9.7
7,798	
7,848	
7,910	
7,912	
7,988	PERF - DAKOTA, 7,912-8,045, 5/21/2012
8,010	
8,045	
8,060	
8,078	3-11, Casing Joints, 4 1/2, 4 000, 7,685, 392.6
8,079	3-12, Float Collar, 4 1/2, 4.000, 8,078, 0.6
8,079	3-13, Float Shoe, 4 1/2, 4.000, 8,079, 0.6
8,085	

RCVD JUN 6 '12
OIL CONS. DIV.
DIST. 3

Formation Tops Attached

INTEROFFICE MEMO

TO: Records & Regulatory **DATE:** 5/3/2012

FROM: Sharon Nez **LOCATION:** Farmington, N.M.

Final Geologic Summary

Well Name & No. Johns 1B API: 3004535253

Location NE Section 19 Twp 32N Rge 11W

County & State: San Juan, New Mexico

Elevation. GL: 6582' KB: 6597'

Tops From: X Wireline Log ____ Mudlog ____ Correlation

Ojo Alamo	1506'	Chacra	4504'	Greenhorn	7798'
Kirtland	1572'	Upper Cliff House	4909'	Graneros	7848'
Fruitland	2727'	Massive Cliff House	5150'	Dakota (Two Wells)	7910'
Pictured Cliffs	3237'	Menefee	5308'	Paguate	7988'
Lewis	3444'	Point Lookout	5691'	Upper Cubero	8010'
Huerfanito Bentonite	4028'	Mancos	6128'	Lower Cubero	n/a
		Upper Gallup	7069'	Oak Canyon	n/a
				Encinal	nde
				Burro Canyon	
				Morrison	
				PBTD	8078'
				LTD	8060'

Electric Logs Run: Cement Bond Log

Well Cored? X No ___ Yes

Well DST'd? X No ___ Yes

Geologist Sharon Nez

ConocoPhillips

ConocoPhillips

SJB (NM West)
SEC 19 T32N R11W
Johns 1B

OH

Design: OH

API# 3004535253

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.

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

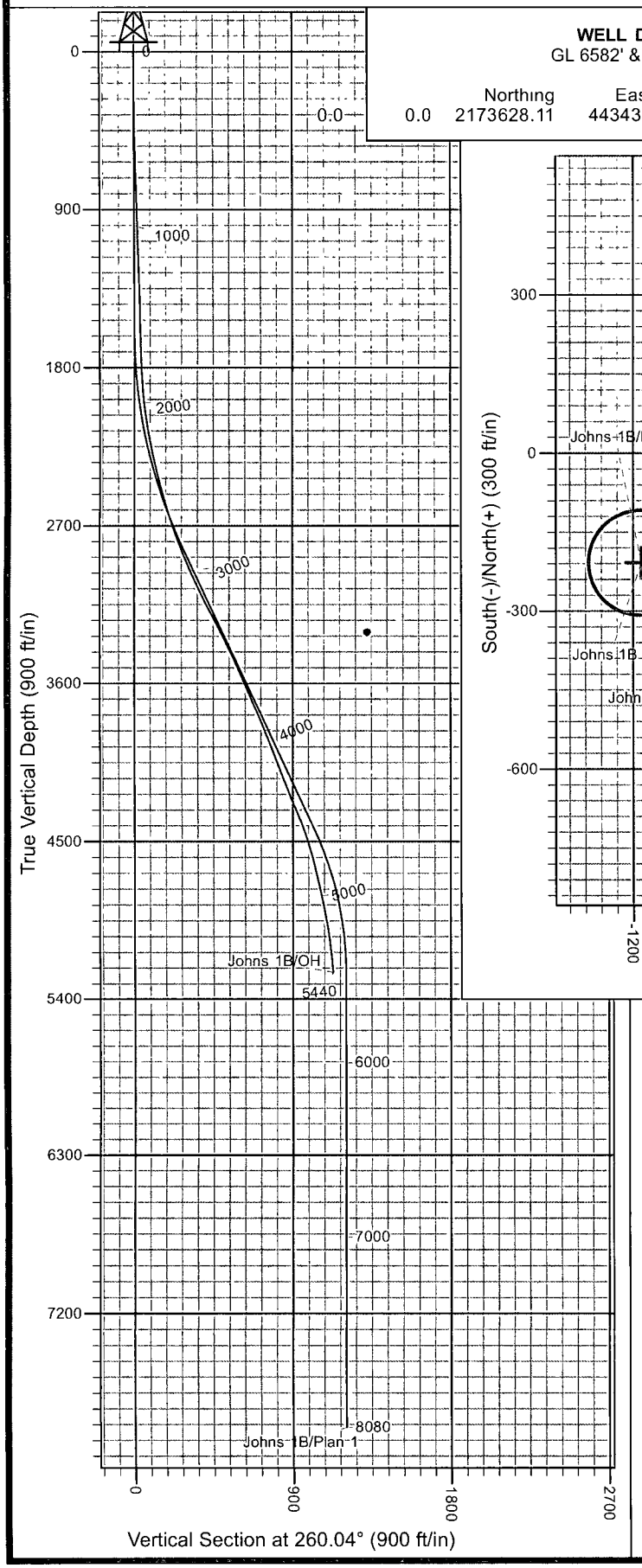
Project: SJB (NM West)
Site: SEC 19 T32N R11W
Well: Johns 1B
Wellbore: OH
Design: OH

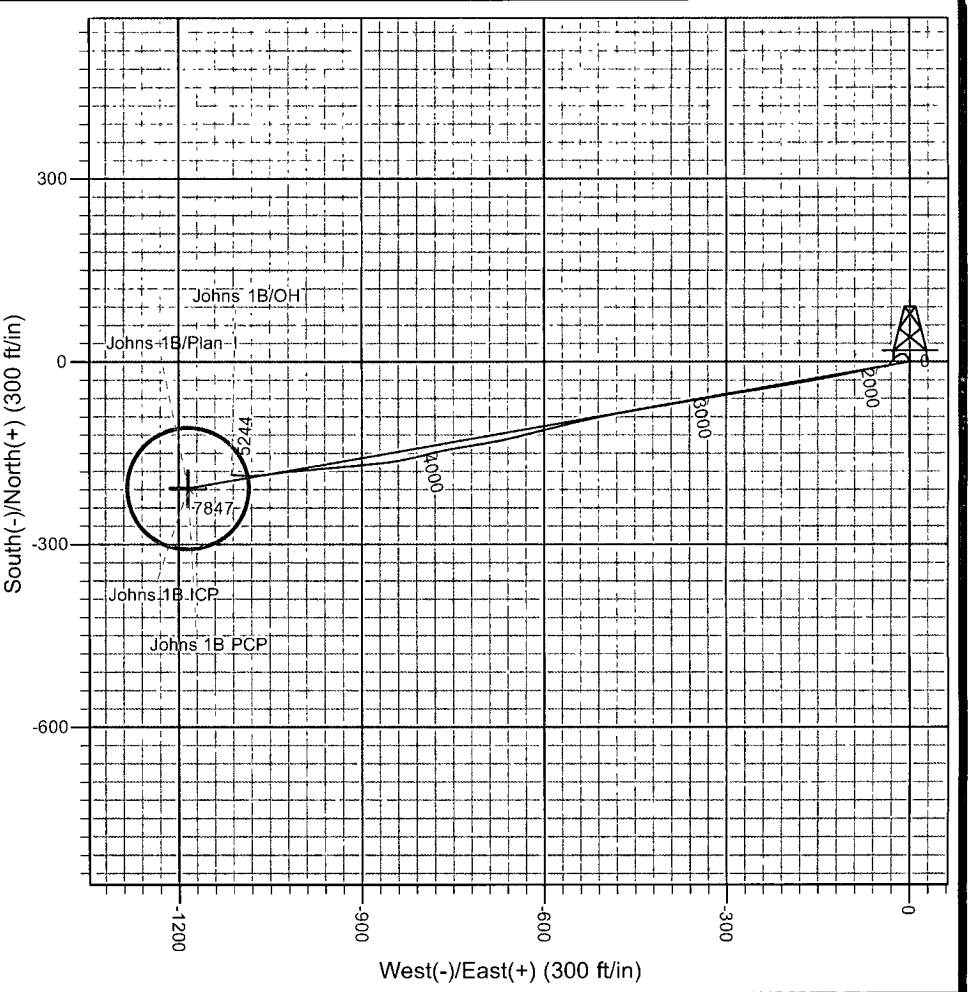
Scientific Drilling
Directional Drilling Operations

WELL DETAILS: Johns 1B
GL 6582' & KB 15' @ 6597.0ft (AWS 730)
Ground Level:6582.0

	Northing	Easting	Latitude	Longitude
0.0	2173628.11	443433.61	36° 58' 24.091 N	108° 1' 37.114 W

Azimuths to True North
Magnetic North 9 93°
Magnetic Field
Strength 50713 6snT
Dip Angle 63 59°
Date 2012/04/11
Model: BGGM2011





REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Johns 1B, True North
Vertical (TVD) Reference: GL 6582' & KB 15' @ 6597.0ft (AWS 730)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6582' & KB 15' @ 6597.0ft (AWS 730)
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 Johns 1B
Project:	SJB (NM West)	**TVD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Site:	SEC 19 T32N R11W	**MD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Well:	Johns 1B	**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 19 T32N R11W

Site Position:		**Northing:**	2,173,628 11 ft	**Latitude:**	36° 58' 24 091 N
From:	Lat/Long	**Easting:**	443,433 61 ft	**Longitude:**	108° 1' 37 114 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0 12 °

Well Johns 1B, 1690' FNL 2205' FEL

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,173,628 11 ft	**Latitude:**	36° 58' 24 091 N
	+E/-W	0.0 ft	**Easting:**	443,433 61 ft	**Longitude:**	108° 1' 37 114 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,582 0 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2012/04/11	9 93	63 59	50,714

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	260.04

Survey Program **Date** 2012/05/04

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
422.0	5,440 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
422 0	2.09	326.52	421 9	6 4	-4 2	3.1	0 50	0.50	0 00
First SDI MWD Survey									
483 0	2 28	331.16	482.9	8.4	-5 4	3.9	0 43	0.31	7 61
544.0	2.12	319 82	543 8	10.3	-6 8	4 9	0 76	-0.26	-18 59
606 0	1.89	297 44	605 8	11.7	-8.4	6.3	1.31	-0 37	-36.10
668 0	1.71	290 26	667 7	12.5	-10.2	7.9	0.46	-0 29	-11 58
729.0	1.62	273.29	728.7	12.8	-11 9	9 5	0.82	-0.15	-27.82
790.0	1.62	261 09	789 7	12 8	-13.6	11 2	0.56	0.00	-20 00
886.0	2.17	240 91	885 6	11.7	-16.5	14 3	0.89	0.57	-21 02
950.0	2.05	237 56	949.6	10.5	-18.6	16 5	0 27	-0 19	-5.23
1,013 0	2 02	238.17	1,012 6	9.3	-20 5	18.5	0.06	-0.05	0.97
1,076 0	1 83	236.22	1,075 5	8.1	-22 2	20 5	0 32	-0.30	-3 10

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Johns 1B
Project:	SJB (NM West)	**TVD Reference:**	GL 6582' & KB 15' @ 6597.0ft (AWS 730)
Site:	SEC 19 T32N R11W	**MD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Well:	Johns 1B	**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)
1,140 0	1.88	230 33	1,139 5	6 9	-23 9	22.3	0.31	0 08	-9.20
1,202 0	1 89	225 61	1,201.5	5.5	-25 4	24.1	0 25	0 02	-7.61
1,265.0	1.98	220 40	1,264 4	4.0	-26.9	25 8	0.31	0 14	-8.27
1,329.0	1.93	218.58	1,328 4	2.3	-28 2	27 4	0.12	-0 08	-2.84
1,392.0	1 96	218 34	1,391 4	0.6	-29 6	29 0	0 05	0 05	-0 38
1,456.0	1 93	216.36	1,455 3	-1 1	-30.9	30 6	0.11	-0.05	-3 09
1,519.0	1 80	214 98	1,518 3	-2.8	-32 1	32.1	0 22	-0 21	-2.19
1,583 0	1 81	213.68	1,582 3	-4.5	-33.2	33 5	0 07	0 02	-2 03
1,646.0	1 55	224.08	1,645 2	-5.9	-34.4	34 9	0 63	-0 41	16.51
1,709.0	1.31	238.04	1,708.2	-6.9	-35 6	36 2	0 67	-0.38	22.16
1,741.0	1 27	247.06	1,740.2	-7.2	-36 2	36 9	0 65	-0.13	28.19
1,772.0	1 69	256.59	1,771 2	-7 5	-37 0	37 7	1 57	1.35	30.74
1,804.0	2.24	264 55	1,803 2	-7 6	-38 1	38.8	1 91	1.72	24 88
1,835.0	2.95	265 13	1,834 1	-7 8	-39.4	40 2	2.29	2 29	1 87
1,867.0	3.66	266 52	1,866 1	-7.9	-41 3	42 0	2.23	2 22	4.34
1,898.0	4.40	263 67	1,897 0	-8 1	-43 5	44 2	2 47	2.39	-9.19
1,930.0	5.15	262 57	1,928 9	-8 4	-46 1	46 9	2.36	2 34	-3.44
1,961 0	5 78	261 56	1,959.8	-8.8	-49 0	49 8	2 06	2 03	-3.26
1,993 0	6 48	261.48	1,991.6	-9.3	-52 4	53 2	2 19	2.19	-0 25
2,025 0	7.06	261.83	2,023.3	-9 9	-56 1	57.0	1 82	1.81	1 09
2,056.0	7.69	260 79	2,054.1	-10.5	-60.1	61.0	2 08	2.03	-3.35
2,088 0	8 37	260 21	2,085.8	-11 2	-64.5	65.4	2 14	2 13	-1 81
2,120.0	8 90	258 51	2,117 4	-12 1	-69.2	70 2	1 84	1 66	-5 31
2,151 0	9 32	255 77	2,148 0	-13 2	-74.0	75 1	1.95	1 35	-8.84
2,183.0	9.93	254 89	2,179 6	-14 5	-79 2	80 5	1.96	1.91	-2 75
2,215.0	10.52	255 56	2,211 1	-16.0	-84 7	86 1	1.88	1 84	2.09
2,246.0	11.21	256.22	2,241.5	-17.4	-90.3	92 0	2.26	2.23	2.13
2,277.0	11.82	256.42	2,271.9	-18.9	-96 3	98 1	1 97	1 97	0 65
2,309 0	12.37	257.72	2,303.2	-20 4	-102 9	104.8	1.92	1.72	4.06
2,341 0	12.78	259 41	2,334 4	-21 7	-109 7	111.8	1 72	1 28	5.28
2,373 0	13.29	259 28	2,365.6	-23 1	-116 8	119.0	1.60	1 59	-0.41
2,404.0	13.86	261 02	2,395 7	-24 3	-124.0	126.3	2.26	1 84	5 61
2,436.0	14 39	259 98	2,426 7	-25 6	-131 7	134 1	1 84	1 66	-3 25
2,467 0	14 75	259 12	2,456 8	-27 0	-139 3	141 9	1 35	1.16	-2 77
2,499 0	15 38	259.54	2,487.7	-28.6	-147 5	150.2	2 00	1 97	1.31
2,531 0	15 86	258.68	2,518.5	-30.2	-156 0	158.8	1.67	1 50	-2 69
2,562 0	16.91	259.42	2,548.2	-31 9	-164.5	167.6	3.45	3.39	2 39
2,594 0	17.52	259 94	2,578.8	-33 6	-173.9	177 0	1 97	1.91	1 63
2,625 0	17.95	259 93	2,608 3	-35 2	-183 2	186 5	1 39	1.39	-0.03
2,657 0	18 51	261 22	2,638 7	-36 8	-193 0	196.5	2 16	1.75	4 03
2,688 0	18.66	261 53	2,668.1	-38 3	-202 8	206 4	0.58	0 48	1.00
2,720 0	18 72	261 07	2,698 4	-39 9	-212 9	216.6	0 50	0.19	-1 44
2,752 0	19 47	261.18	2,728 6	-41 5	-223.3	227 1	2 35	2.34	0 34
2,783 0	19 67	261 07	2,757.8	-43 1	-233 5	237 5	0 66	0 65	-0.35
2,814 0	19 63	260 21	2,787.0	-44.8	-243.8	247.9	0 94	-0 13	-2.77
2,846 0	20 04	260.41	2,817 1	-46.6	-254 5	258 8	1 30	1 28	0 63
2,877.0	21 05	260.01	2,846 2	-48.5	-265.3	269 6	3 29	3 26	-1 29
2,908.0	21 67	259.93	2,875.0	-50 4	-276.4	280.9	2 00	2 00	-0 26
2,940 0	22.51	260.40	2,904.7	-52.5	-288.2	293.0	2.68	2.63	1.47
2,971 0	23 69	261.06	2,933 2	-54 4	-300.2	305 1	3 90	3.81	2 13
3,003 0	23 86	260 97	2,962.5	-56 5	-313 0	318.0	0.54	0 53	-0.28
3,034 0	24 47	260 30	2,990.8	-58 5	-325 5	330 7	2.16	1 97	-2.16
3,066 0	24.91	260.27	3,019 8	-60 8	-338 7	344 1	1 38	1.38	-0 09
3,098 0	25.58	260.40	3,048 8	-63.1	-352.1	357.7	2 10	2.09	0 41

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Johns 1B
Project:	SJB (NM West)	**TVD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Site:	SEC 19 T32N R11W	**MD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Well:	Johns 1B	**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)
3,130 0	26 14	260 25	3,077 6	-65 4	-365 9	371 7	1 76	1 75	-0 47
3,161 0	26 45	260 03	3,105.4	-67 8	-379 4	385.4	1 05	1 00	-0.71
3,193 0	26 82	260 82	3,134 0	-70 2	-393 6	399 8	1 60	1 16	2 47
3,225 0	27.66	260 61	3,162.4	-72 5	-408 0	414.4	2 64	2.63	-0 66
3,256 0	27.79	260 25	3,189.9	-74 9	-422.2	428.8	0 68	0 42	-1 16
3,287 0	27.95	260.77	3,217 3	-77 3	-436.5	443 3	0 94	0.52	1 68
3,350.0	27.24	259 70	3,273.1	-82.3	-465.3	472 5	1 37	-1 13	-1 70
3,381 0	27.05	259.39	3,300.7	-84.8	-479.2	486.6	0 76	-0.61	-1 00
3,413 0	26.68	259 31	3,329.2	-87.5	-493 4	501.1	1.16	-1 16	-0.25
3,444 0	26 24	258.57	3,357.0	-90 1	-507 0	514.9	1.77	-1 42	-2.39
3,475.0	25.27	257.33	3,384 9	-92.9	-520 1	528 4	3.58	-3 13	-4 00
3,506 0	24 85	257.47	3,413 0	-95 8	-533 0	541.5	1.37	-1 35	0 45
3,538 0	24 92	257.41	3,442 0	-98 7	-546.1	554 9	0 23	0.22	-0 19
3,569 0	25 04	256 68	3,470 1	-101 7	-558 9	568 0	1.07	0 39	-2.35
3,601 0	24 47	255 96	3,499 2	-104 8	-571.9	581.4	2 02	-1.78	-2 25
3,632 0	24 24	255 88	3,527.4	-108 0	-584 3	594 1	0 75	-0 74	-0.26
3,664 0	23.79	256 20	3,556 7	-111 1	-596.9	607.1	1 46	-1.41	1 00
3,696.0	22.96	255 33	3,586 0	-114.2	-609 2	619 8	2.81	-2.59	-2.72
3,727.0	22.61	255.58	3,614.6	-117.2	-620.8	631.8	1.17	-1.13	0 81
3,759.0	22 74	255.48	3,644 1	-120.3	-632 8	644.1	0.42	0 41	-0.31
3,790 0	22 89	256.65	3,672 7	-123 2	-644 4	656 0	1 54	0 48	3.77
3,822.0	22.71	257.49	3,702 2	-126 0	-656 5	668 4	1 16	-0 56	2 63
3,854 0	22 80	257 60	3,731.7	-128 7	-668 6	680 8	0.31	0 28	0.34
3,885.0	23.26	259.65	3,760 2	-131 0	-680.5	692 9	2 98	1.48	6 61
3,917 0	23.18	259.83	3,789 7	-133 3	-692.9	705 5	0 33	-0 25	0 56
3,949.0	22 87	261 09	3,819.1	-135.4	-705.3	718 0	1 82	-0 97	3 94
3,981 0	22 24	261 68	3,848 7	-137.2	-717.4	730.3	2 09	-1.97	1 84
4,013.0	22 04	260.57	3,878.3	-139.1	-729 3	742 4	1 45	-0.63	-3.47
4,045.0	21 47	259.52	3,908 0	-141.1	-741 0	754.2	2 16	-1 78	-3.28
4,076.0	21.31	260 07	3,936 9	-143 1	-752.1	765.5	0.83	-0 52	1 77
4,108 0	21 74	259 46	3,966.7	-145 2	-763 7	777.3	1 51	1 34	-1.91
4,139 0	21 78	256 85	3,995.4	-147 6	-774 9	788 8	3 12	0 13	-8.42
4,170 0	21 36	256 45	4,024 3	-150 2	-786.0	800 1	1.44	-1.35	-1.29
4,202.0	21 24	256 21	4,054 1	-152 9	-797.3	811 7	0.46	-0 38	-0 75
4,233.0	21.04	256 03	4,083 0	-155.6	-808 2	822.9	0.68	-0.65	-0.58
4,264.0	21.22	257.88	4,111.9	-158.1	-819.0	834 1	2 23	0.58	5 97
4,296.0	21 86	258 57	4,141.7	-160 5	-830 5	845.8	2 15	2 00	2.16
4,327 0	21.35	259.62	4,170.5	-162 7	-841.8	857 2	2.06	-1.65	3 39
4,359 0	21 16	261.40	4,200 3	-164 6	-853.2	868.8	2.10	-0 59	5.56
4,390 0	21 89	263 68	4,229 2	-166 1	-864.5	880 2	3.58	2 35	7 35
4,420 0	22 11	263 71	4,257 0	-167 3	-875 6	891.4	0.73	0 73	0 10
4,454 0	22 85	264 74	4,288.4	-168 6	-888 6	904.3	2.47	2 18	3.03
4,485 0	23 03	265 18	4,316 9	-169.7	-900.6	916.4	0.80	0 58	1.42
4,517 0	22 94	264.27	4,346 4	-170 8	-913.1	928.8	1.15	-0.28	-2.84
4,548.0	23 19	264 37	4,374.9	-172.0	-925 1	941 0	0 82	0 81	0.32
4,580.0	21 33	263 52	4,404.5	-173.3	-937 2	953.0	5 90	-5 81	-2.66
4,611.0	19.37	264.78	4,433 6	-174.4	-947 9	963 8	6.48	-6.32	4 06
4,643 0	18.21	265.74	4,463 9	-175 3	-958.2	974 1	3.75	-3.63	3 00
4,675 0	17.48	265.55	4,494 4	-176 0	-968.0	983 8	2.29	-2.28	-0.59
4,706.0	16.70	264 65	4,524 0	-176 8	-977.0	992.9	2.66	-2.52	-2 90
4,738 0	16.23	264 77	4,554 7	-177 6	-986 1	1,001 9	1.47	-1 47	0.38
4,801.0	15 04	264 81	4,615.3	-179.2	-1,003 0	1,018 9	1 89	-1 89	0 06
4,863 0	13 33	264.31	4,675.5	-180.6	-1,018 1	1,034.0	2 77	-2.76	-0.81
4,927 0	12 56	262.37	4,737.8	-182.3	-1,032.3	1,048.3	1 38	-1.20	-3 03

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Johns 1B
Project:	SJB (NM West)	**TVD Reference:**	GL 6582' & KB 15' @ 6597 0ft (AWS 730)
Site:	SEC 19 T32N R11W	**MD Reference:**	GL 6582' & KB 15' @ 6597.0ft (AWS 730)
Well:	Johns 1B	**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)
4,959.0	12.43	262 68	4,769.1	-183 2	-1,039 2	1,055.2	0 46	-0 41	0.97
4,990 0	12 62	262 45	4,799.3	-184 0	-1,045 9	1,061.9	0 63	0 61	-0 74
5,022 0	12.66	262.68	4,830.6	-184 9	-1,052 8	1,068.9	0.20	0 13	0 72
5,054.0	12.29	263.04	4,861 8	-185 8	-1,059 7	1,075.8	1 18	-1.16	1 13
5,085.0	11 81	264.41	4,892 1	-186.5	-1,066 1	1,082 3	1.80	-1 55	4 42
5,117.0	11.22	265.27	4,923 5	-187.1	-1,072 5	1,088 7	1 92	-1 84	2 69
5,148 0	10.27	266.49	4,953.9	-187.5	-1,078.2	1,094 4	3 15	-3 06	3 94
5,180 0	9.46	269.44	4,985.5	-187.7	-1,083 7	1,099 8	2.98	-2 53	9 22
5,212 0	8.60	272.64	5,017.1	-187.6	-1,088 7	1,104 8	3.11	-2.69	10 00
5,243 0	7.67	275.29	5,047.7	-187.3	-1,093.1	1,109 0	3.23	-3 00	8.55
5,275 0	7.02	274.31	5,079 5	-187 0	-1,097 2	1,113.0	2 07	-2 03	-3 06
5,306 0	6 60	274 09	5,110 3	-186.7	-1,100.8	1,116 6	1 36	-1 35	-0.71
5,337 0	6.11	274.24	5,141 1	-186 5	-1,104 3	1,119.9	1 58	-1.58	0 48
5,369.0	5.85	274.14	5,172.9	-186 2	-1,107 6	1,123.1	0 81	-0.81	-0 31
5,401 0	5 33	275 21	5,204 7	-186 0	-1,110.7	1,126.1	1 66	-1 63	3 34
5,440.0	4 99	273 56	5,243.6	-185.7	-1,114.2	1,129.5	0.95	-0 87	-4 23
Last SDI MWD Survey									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
422.0	421.9	6 4	-4.2	First SDI MWD Survey
5,440.0	5,243.6	-185.7	-1,114 2	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____