

DISTRICT I
1925 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

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

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

OIL CONSERVATION DIVISION

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

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

RCVD MAR 31 '10

☐ AMENDED REPORT
OIL CONS. DIV.

DIST. 3

"AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35009	² Pool Code 71599 / 72319	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7284	⁵ Property Name MANSFIELD	⁶ Well Number 2 B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6162'

¹⁰ Surface Location

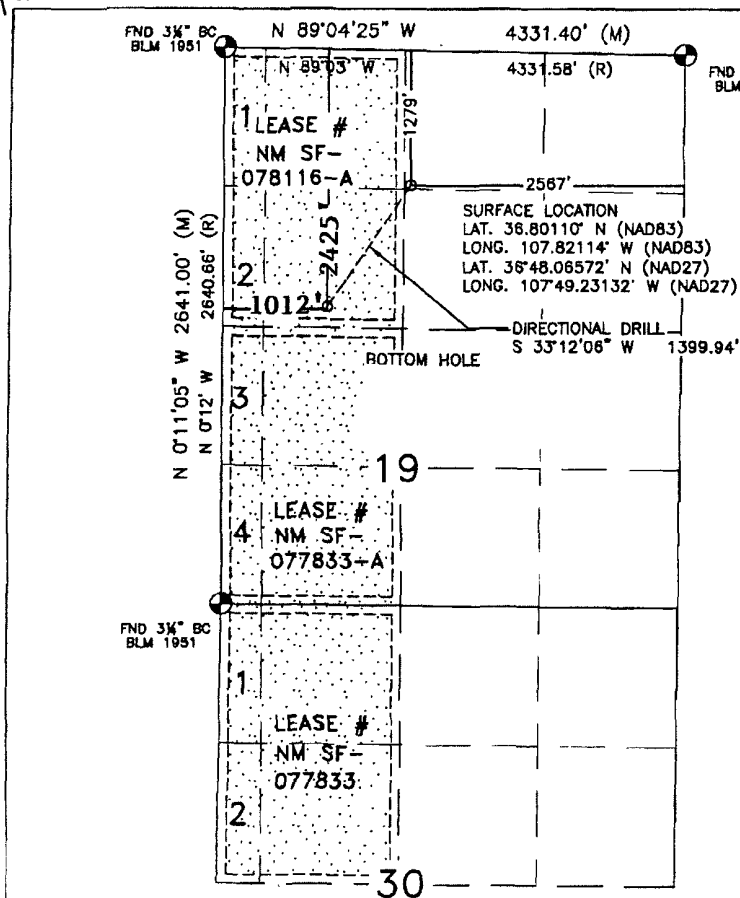
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	30N	9W		1279'	NORTH	2567'	EAST	SAN JUAN

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	30N	9W		2425	NORTH	1012	WEST	SAN JUAN

¹² Dedicated Acres 310.56 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-35 (MV) R-2046 (DK)
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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



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 undivided 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.

Crystal Tafoya 3/26/10
Signature Date

Crystal Tafoya 3/26/10

Printed Name

¹⁸ SURVEYOR CERTIFICATION

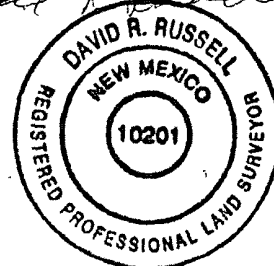
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 1, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

5/1



COP Deviation Report

MANSFIELD #2B

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName MANSFIELD #2B	API / UWI 3004535009	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 019-030N-009W-B	N/S Dist (ft) 1,279 00	N/S Ref FNL	E/W Dist (ft) 2,567 00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
11/20/2009	129.00	0.75	Inc-Drop	MO-TE DRILLING INC	
11/20/2009	233.00	0.75	Inc-Drop	MO-TE DRILLING INC.	
12/14/2009	253.00	1.17	IncAzi-MWD	Scientific Drilling	
12/14/2009	283.00	0.81	IncAzi-MWD	Scientific Drilling	
12/14/2009	314.00	0.29	IncAzi-MWD	Scientific Drilling	
12/14/2009	345.00	0.84	IncAzi-MWD	Scientific Drilling	
12/14/2009	376.00	1.23	IncAzi-MWD	Scientific Drilling	
12/14/2009	407.00	2.23	IncAzi-MWD	Scientific Drilling	
12/14/2009	438.00	3.08	IncAzi-MWD	Scientific Drilling	
12/14/2009	469.00	3.96	IncAzi-MWD	Scientific Drilling	
12/14/2009	500.00	4.75	IncAzi-MWD	Scientific Drilling	
12/14/2009	530.00	5.39	IncAzi-MWD	Scientific Drilling	
12/14/2009	561.00	5.95	IncAzi-MWD	Scientific Drilling	
12/14/2009	589.00	6.87	IncAzi-MWD	Scientific Drilling	
12/14/2009	620.00	7.40	IncAzi-MWD	Scientific Drilling	
12/15/2009	651.00	7.88	IncAzi-MWD	Scientific Drilling	
12/15/2009	682.00	8.77	IncAzi-MWD	Scientific Drilling	
12/15/2009	713.00	9.61	IncAzi-MWD	Scientific Drilling	
12/15/2009	743.00	10.40	IncAzi-MWD	Scientific Drilling	
12/15/2009	774.00	11.38	IncAzi-MWD	Scientific Drilling	
12/15/2009	804.00	12.34	IncAzi-MWD	Scientific Drilling	
12/15/2009	834.00	13.02	IncAzi-MWD	Scientific Drilling	
12/15/2009	865.00	13.71	IncAzi-MWD	Scientific Drilling	
12/15/2009	899.00	14.25	IncAzi-MWD	Scientific Drilling	
12/15/2009	930.00	15.15	IncAzi-MWD	Scientific Drilling	
12/15/2009	962.00	16.08	IncAzi-MWD	Scientific Drilling	
12/15/2009	993.00	16.54	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,025.00	17.10	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,056.00	17.58	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,088.00	18.28	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,119.00	18.42	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,151.00	19.23	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,182.00	20.00	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,214.00	20.51	IncAzi-MWD	Scientific Drilling	
12/15/2009	1,245.00	21.17	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. (°)	Method	Survey Company
12/15/2009	1,277.00	21.89	IncAzi-MWD	Scientific Drilling
12/15/2009	1,309.00	22.45	IncAzi-MWD	Scientific Drilling
12/15/2009	1,340.00	23.06	IncAzi-MWD	Scientific Drilling
12/15/2009	1,372.00	23.75	IncAzi-MWD	Scientific Drilling
12/15/2009	1,403.00	24.22	IncAzi-MWD	Scientific Drilling
12/15/2009	1,435.00	24.77	IncAzi-MWD	Scientific Drilling
12/15/2009	1,466.00	25.37	IncAzi-MWD	Scientific Drilling
12/15/2009	1,498.00	26.05	IncAzi-MWD	Scientific Drilling
12/15/2009	1,530.00	26.60	IncAzi-MWD	Scientific Drilling
12/15/2009	1,625.00	27.37	IncAzi-MWD	Scientific Drilling
12/15/2009	1,720.00	27.52	IncAzi-MWD	Scientific Drilling
12/15/2009	1,815.00	25.41	IncAzi-MWD	Scientific Drilling
12/15/2009	1,911.00	25.18	IncAzi-MWD	Scientific Drilling
12/15/2009	2,006.00	25.17	IncAzi-MWD	Scientific Drilling
12/15/2009	2,101.00	24.98	IncAzi-MWD	Scientific Drilling
12/15/2009	2,196.00	24.84	IncAzi-MWD	Scientific Drilling
12/15/2009	2,291.00	24.42	IncAzi-MWD	Scientific Drilling
12/15/2009	2,386.00	24.54	IncAzi-MWD	Scientific Drilling
12/15/2009	2,417.00	24.47	IncAzi-MWD	Scientific Drilling
12/16/2009	2,480.00	24.08	IncAzi-MWD	Scientific Drilling
12/16/2009	2,544.00	24.14	IncAzi-MWD	Scientific Drilling
12/16/2009	2,607.00	23.68	IncAzi-MWD	Scientific Drilling
12/16/2009	2,670.00	23.43	IncAzi-MWD	Scientific Drilling
12/16/2009	2,734.00	22.92	IncAzi-MWD	Scientific Drilling
12/16/2009	2,796.00	22.63	IncAzi-MWD	Scientific Drilling
12/16/2009	2,859.00	22.34	IncAzi-MWD	Scientific Drilling
12/16/2009	2,922.00	21.67	IncAzi-MWD	Scientific Drilling
12/16/2009	2,985.00	21.79	IncAzi-MWD	Scientific Drilling
12/16/2009	3,048.00	23.02	IncAzi-MWD	Scientific Drilling
12/16/2009	3,111.00	23.86	IncAzi-MWD	Scientific Drilling
12/16/2009	3,174.00	24.35	IncAzi-MWD	Scientific Drilling
12/16/2009	3,238.00	24.20	IncAzi-MWD	Scientific Drilling
12/16/2009	3,301.00	23.87	IncAzi-MWD	Scientific Drilling
12/16/2009	3,364.00	23.31	IncAzi-MWD	Scientific Drilling
12/16/2009	3,428.00	23.06	IncAzi-MWD	Scientific Drilling
12/16/2009	3,491.00	22.15	IncAzi-MWD	Scientific Drilling
12/16/2009	3,554.00	20.79	IncAzi-MWD	Scientific Drilling
12/16/2009	3,617.00	19.12	IncAzi-MWD	Scientific Drilling
12/16/2009	3,649.00	19.27	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 _____

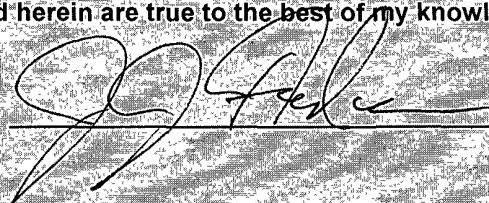
Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/16/2009	3,681.00	19.18	IncAzi-MWD	Scientific Drilling
12/16/2009	3,712.00	19.02	IncAzi-MWD	Scientific Drilling
12/16/2009	3,744.00	18.99	IncAzi-MWD	Scientific Drilling
12/17/2009	3,775.00	18.71	IncAzi-MWD	Scientific Drilling
12/17/2009	3,807.00	18.56	IncAzi-MWD	Scientific Drilling
12/17/2009	3,838.00	18.41	IncAzi-MWD	Scientific Drilling
12/17/2009	3,870.00	18.37	IncAzi-MWD	Scientific Drilling
12/17/2009	3,901.00	18.90	IncAzi-MWD	Scientific Drilling
12/17/2009	3,933.00	19.11	IncAzi-MWD	Scientific Drilling
12/17/2009	3,964.00	17.39	IncAzi-MWD	Scientific Drilling
12/17/2009	3,996.00	16.76	IncAzi-MWD	Scientific Drilling
12/17/2009	4,027.00	17.25	IncAzi-MWD	Scientific Drilling
12/17/2009	4,059.00	18.16	IncAzi-MWD	Scientific Drilling
12/17/2009	4,090.00	17.59	IncAzi-MWD	Scientific Drilling
12/17/2009	4,122.00	15.70	IncAzi-MWD	Scientific Drilling
12/17/2009	4,154.00	14.27	IncAzi-MWD	Scientific Drilling
12/17/2009	4,185.00	13.19	IncAzi-MWD	Scientific Drilling
12/17/2009	4,217.00	12.34	IncAzi-MWD	Scientific Drilling
12/17/2009	4,248.00	11.97	IncAzi-MWD	Scientific Drilling
12/17/2009	4,280.00	11.80	IncAzi-MWD	Scientific Drilling
12/17/2009	4,312.00	10.66	IncAzi-MWD	Scientific Drilling
12/17/2009	4,343.00	9.33	IncAzi-MWD	Scientific Drilling
12/17/2009	4,375.00	8.22	IncAzi-MWD	Scientific Drilling
12/17/2009	4,406.00	6.98	IncAzi-MWD	Scientific Drilling
12/17/2009	4,438.00	6.15	IncAzi-MWD	Scientific Drilling
12/17/2009	4,469.00	5.25	IncAzi-MWD	Scientific Drilling
12/17/2009	4,501.00	4.37	IncAzi-MWD	Scientific Drilling
12/17/2009	4,532.00	3.59	IncAzi-MWD	Scientific Drilling
12/17/2009	4,565.00	2.95	IncAzi-MWD	Scientific Drilling
12/17/2009	4,615.00	1.96	Projection	Scientific Drilling
12/29/2009	7,521.00	1.00	Inc-WL	PHOENIX
12/17/2009	7,587.00	0.00	Projection	Scientific Drilling

RCVD MAR 31 '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.



Subscribed and sworn to me this March 26, 2010



Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD MAR 31 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)

SEC 19-T30N-R9W

Mansfield #2B

API # 30.04S.3S009

Original Hole

Survey: Actual

Standard Survey Report

19 February, 2010

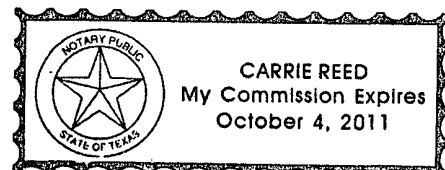
This survey is correct to the best of my knowledge and is supported by actual field data.

R. Wharton

Notorized this date 19 Feb of February, 2010.

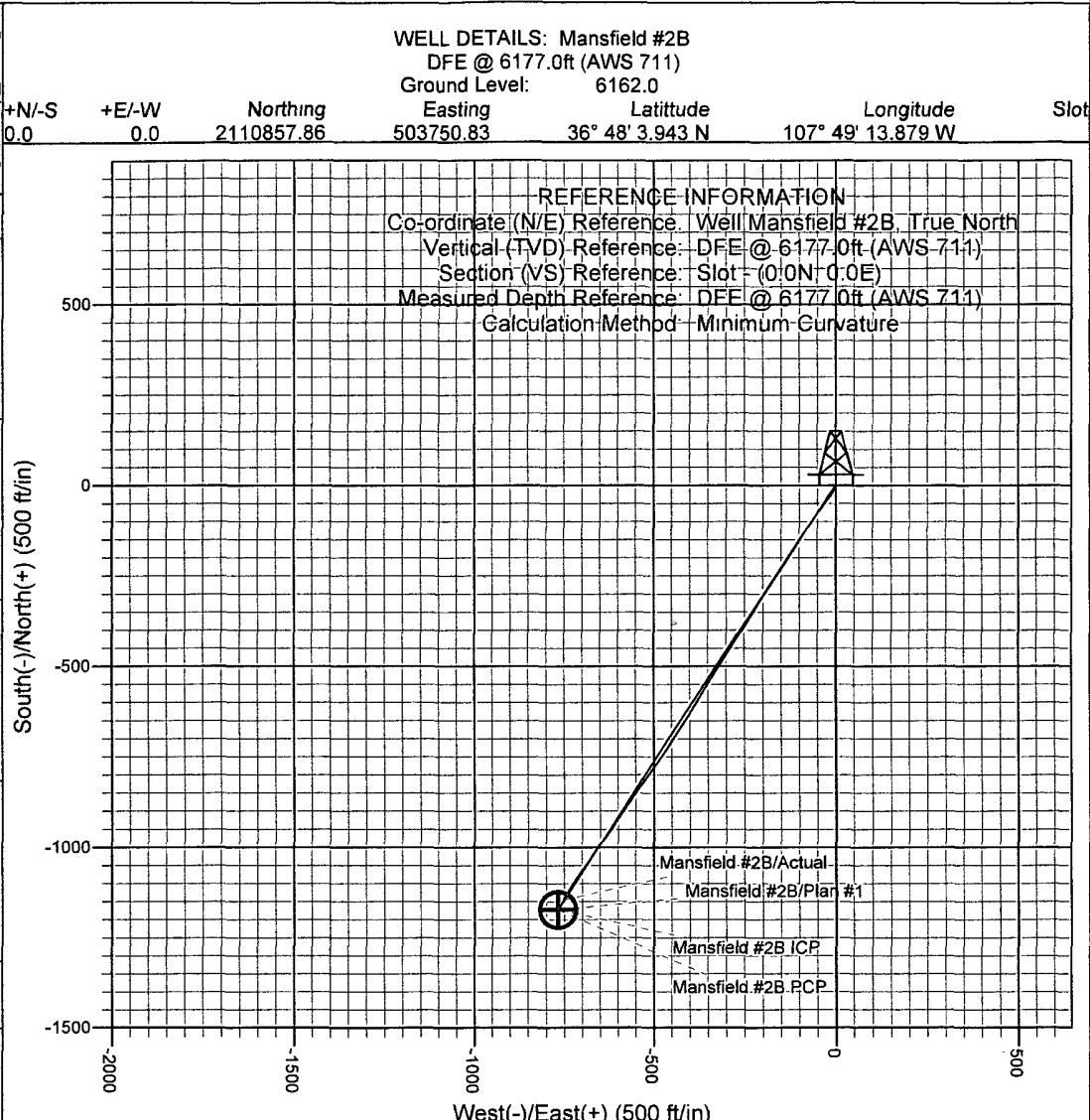
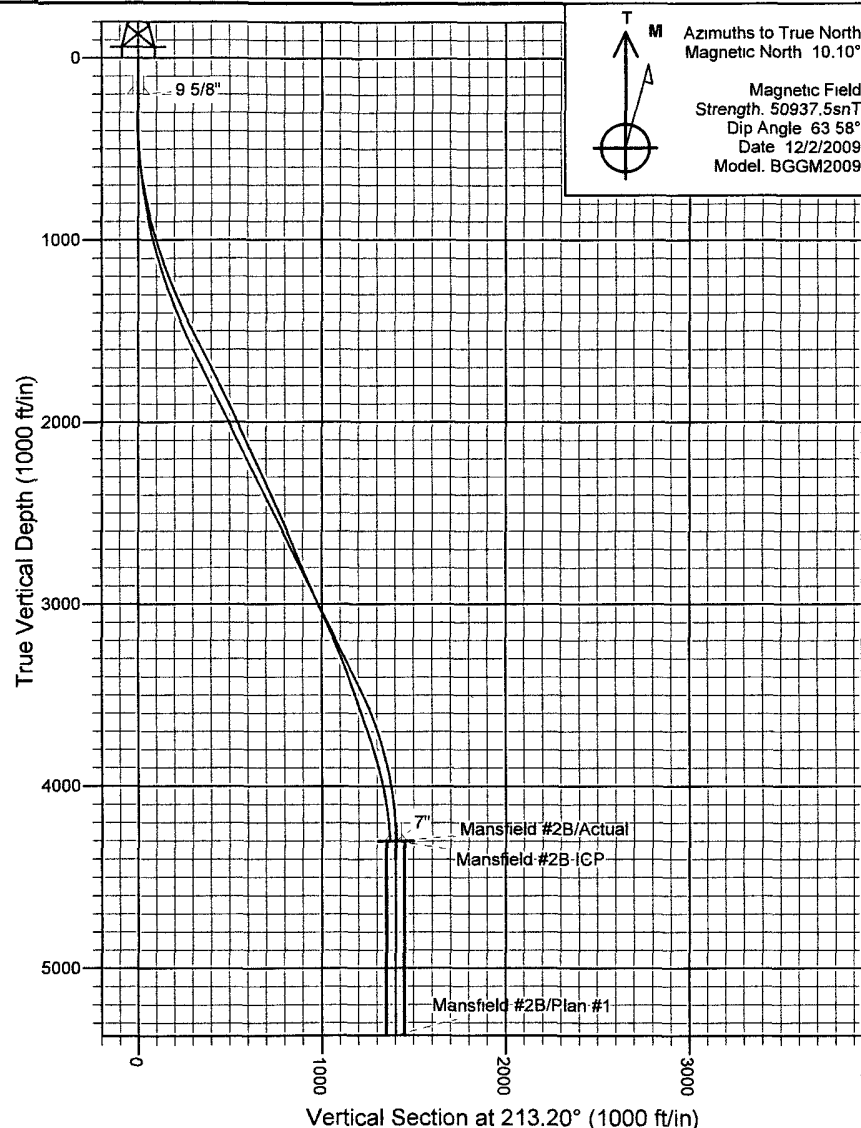
Carrie Reed

Notary Signature
County of Midland
State of Texas





Project: SJB (NM West)
SEC 19-T30N-R9W
Well: Mansfield #2B
Wellbore: Original Hole
Design: Plan #1
Site:



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 19-T30N-R9W
San Juan County NM
Site Centre Latitude: 36° 48' 3.943 N
Longitude: 107° 49' 13.879 W
Positional Uncertainty: 0.0
Convergence: 0.01
Local North: True

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mansfield #2B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6177.0ft (AWS 711)
Site:	SEC 19-T30N-R9W	MD Reference:	DFE @ 6177.0ft (AWS 711)
Well:	Mansfield #2B	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 19-T30N-R9W			
Site Position:		Northing:	2,110,857.86 ft	Latitude:	36° 48' 3.943 N
From:	Lat/Long	Easting:	503,750.83 ft	Longitude:	107° 49' 13.879 W
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.01 °

Well	Mansfield #2B, S-Type MV/DK Well					
Well Position	+N/-S	0 0 ft	Northing:	2,110,857 86 ft	Latitude:	36° 48' 3 943 N
	+E/-W	0 0 ft	Easting:	503,750 83 ft	Longitude:	107° 49' 13 879 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,162 0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	12/2/2009	10.11	63.58	50,938

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	213 54

Survey Program	Date	2/19/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
253.0	4,565.0	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	
253.0	1.17	55.37	253.0	1.5	2.1	-2.4	0.46	0.46	0.00	
283.0	0.81	53.92	283.0	1.8	2.5	-2.9	1.20	-1.20	-4.83	
314.0	0.29	58.92	314.0	1.9	2.8	-3.2	1.68	-1.68	16.13	
345.0	0.84	169.66	345.0	1.8	2.9	-3.1	3.16	1.77	357.23	
376.0	1.23	188.64	376.0	1.2	2.9	-2.6	1.66	1.26	61.23	
407.0	2.23	185.96	407.0	0.3	2.8	-1.8	3.24	3.23	-8.65	
438.0	3.08	197.23	437.9	-1.1	2.5	-0.4	3.21	2.74	36.35	
469.0	3.96	202.68	468.9	-2.9	1.8	1.4	3.03	2.84	17.58	
500.0	4.75	206.26	499.8	-5.0	0.8	3.7	2.69	2.55	11.55	
530.0	5.39	209.92	529.7	-7.4	-0.4	6.4	2.39	2.13	12.20	
561.0	5.95	207.74	560.5	-10.1	-1.9	9.4	1.94	1.81	-7.03	
589.0	6.87	213.06	588.3	-12.8	-3.5	12.6	3.91	3.29	19.00	

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mansfield #2B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6177.0ft (AWS 711)
Site:	SEC 19-T30N-R9W	MD Reference:	DFE @ 6177.0ft (AWS 711)
Well:	Mansfield #2B	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)
620.0	7.40	213.76	619.1	-16.0	-5.6	16.4	1.73	1.71	2.26
651.0	7.88	215.42	649.8	-19.4	-7.9	20.5	1.70	1.55	5.35
682.0	8.77	217.68	680.5	-23.0	-10.6	25.0	3.06	2.87	7.29
713.0	9.61	216.28	711.1	-26.9	-13.6	29.9	2.80	2.71	-4.52
743.0	10.40	217.44	740.6	-31.1	-16.7	35.2	2.72	2.63	3.87
774.0	11.38	217.15	771.1	-35.7	-20.3	41.0	3.17	3.16	-0.94
804.0	12.34	216.88	800.4	-40.7	-24.0	47.1	3.21	3.20	-0.90
834.0	13.02	214.49	829.7	-46.0	-27.8	53.7	2.86	2.27	-7.97
865.0	13.71	216.01	859.9	-51.9	-32.0	60.9	2.50	2.23	4.90
899.0	14.25	217.14	892.9	-58.5	-36.9	69.1	1.78	1.59	3.32
930.0	15.15	217.42	922.8	-64.7	-41.6	76.9	2.91	2.90	0.90
962.0	16.08	216.17	953.7	-71.6	-46.8	85.5	3.09	2.91	-3.91
993.0	16.54	214.90	983.4	-78.7	-51.8	94.2	1.88	1.48	-4.10
1,025.0	17.10	213.37	1,014.0	-86.4	-57.0	103.5	2.23	1.75	-4.78
1,056.0	17.58	214.52	1,043.6	-94.0	-62.2	112.7	1.90	1.55	3.71
1,088.0	18.28	212.57	1,074.1	-102.2	-67.6	122.6	2.88	2.19	-6.09
1,119.0	18.42	211.73	1,103.5	-110.5	-72.8	132.3	0.97	0.45	-2.71
1,151.0	19.23	212.63	1,133.8	-119.2	-78.3	142.7	2.69	2.53	2.81
1,182.0	20.00	212.69	1,163.0	-128.0	-83.9	153.1	2.48	2.48	0.19
1,214.0	20.51	211.59	1,193.0	-137.4	-89.8	164.1	1.99	1.59	-3.44
1,245.0	21.17	211.80	1,222.0	-146.8	-95.6	175.2	2.14	2.13	0.68
1,277.0	21.89	211.97	1,251.8	-156.7	-101.8	186.9	2.26	2.25	0.53
1,309.0	22.45	212.84	1,281.4	-166.9	-108.3	199.0	2.03	1.75	2.72
1,340.0	23.06	212.60	1,310.0	-177.0	-114.8	211.0	1.99	1.97	-0.77
1,372.0	23.75	212.37	1,339.3	-187.7	-121.6	223.7	2.18	2.16	-0.72
1,403.0	24.22	212.57	1,367.7	-198.4	-128.4	236.3	1.54	1.52	0.65
1,435.0	24.77	212.91	1,396.8	-209.5	-135.6	249.5	1.77	1.72	1.06
1,466.0	25.37	213.00	1,424.9	-220.6	-142.7	262.7	1.94	1.94	0.29
1,498.0	26.05	213.80	1,453.7	-232.1	-150.3	276.6	2.39	2.13	2.50
1,530.0	26.60	213.12	1,482.4	-244.0	-158.2	290.8	1.96	1.72	-2.13
1,625.0	27.37	213.19	1,567.0	-280.1	-181.7	333.9	0.81	0.81	0.07
1,720.0	27.52	212.82	1,651.3	-316.8	-205.6	377.6	0.24	0.16	-0.39
1,815.0	25.41	211.18	1,736.4	-352.7	-228.0	420.0	2.35	-2.22	-1.73
1,911.0	25.18	210.33	1,823.2	-387.9	-249.0	460.9	0.45	-0.24	-0.89
2,006.0	25.17	212.50	1,909.2	-422.4	-270.1	501.3	0.97	-0.01	2.28
2,101.0	24.98	212.80	1,995.2	-456.3	-291.8	541.6	0.24	-0.20	0.32
2,196.0	24.84	212.89	2,081.4	-489.9	-313.5	581.6	0.15	-0.15	0.09
2,291.0	24.42	212.69	2,167.7	-523.2	-334.9	621.2	0.45	-0.44	-0.21
2,386.0	24.54	210.86	2,254.2	-556.7	-355.7	660.5	0.81	0.13	-1.93
2,417.0	24.47	211.40	2,282.4	-567.7	-362.3	673.3	0.76	-0.23	1.74
2,480.0	24.08	210.56	2,339.8	-589.9	-375.6	699.2	0.83	-0.62	-1.33
2,544.0	24.14	211.22	2,398.2	-612.3	-389.1	725.3	0.43	0.09	1.03
2,607.0	23.68	211.36	2,455.8	-634.1	-402.3	750.9	0.74	-0.73	0.22
2,670.0	23.43	212.17	2,513.6	-655.5	-415.6	776.0	0.65	-0.40	1.29
2,734.0	22.92	212.80	2,572.4	-676.8	-429.1	801.2	0.89	-0.80	0.98
2,796.0	22.63	212.51	2,629.6	-697.0	-442.1	825.2	0.50	-0.47	-0.47
2,859.0	22.34	212.79	2,687.8	-717.3	-455.1	849.3	0.49	-0.46	0.44
2,922.0	21.67	214.83	2,746.2	-736.9	-468.2	872.9	1.61	-1.06	3.24
2,985.0	21.79	215.77	2,804.7	-755.9	-481.7	896.2	0.58	0.19	1.49
3,048.0	23.02	216.15	2,863.0	-775.4	-495.8	920.2	1.97	1.95	0.60
3,111.0	23.86	216.21	2,920.8	-795.6	-510.6	945.2	1.33	1.33	0.10
3,174.0	24.35	215.35	2,978.3	-816.5	-525.6	970.9	0.96	0.78	-1.37
3,238.0	24.20	215.25	3,036.6	-837.9	-540.8	997.2	0.24	-0.23	-0.16
3,301.0	23.87	215.64	3,094.2	-858.8	-555.7	1,022.9	0.58	-0.52	0.62

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Mansfield #2B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6177.0ft (AWS 711)
Site:	SEC 19-T30N-R9W	MD Reference:	DFE @ 6177.0ft (AWS 711)
Well:	Mansfield #2B	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)
3,364.0	23.31	215.66	3,151.9	-879.3	-570.4	1,048.1	0.89	-0.89	0.03
3,428.0	23.06	215.01	3,210.7	-899.9	-585.0	1,073.3	0.56	-0.39	-1.02
3,491.0	22.15	214.25	3,268.9	-919.8	-598.7	1,097.5	1.52	-1.44	-1.21
3,554.0	20.79	212.41	3,327.5	-939.1	-611.4	1,120.5	2.41	-2.16	-2.92
3,617.0	19.12	216.27	3,386.7	-956.8	-623.5	1,142.0	3.37	-2.65	6.13
3,649.0	19.27	216.41	3,416.9	-965.3	-629.7	1,152.5	0.49	0.47	0.44
3,681.0	19.18	217.90	3,447.2	-973.7	-636.1	1,163.0	1.56	-0.28	4.66
3,712.0	19.02	217.79	3,476.5	-981.7	-642.3	1,173.1	0.53	-0.52	-0.35
3,744.0	18.99	215.91	3,506.7	-990.1	-648.6	1,183.6	1.92	-0.09	-5.88
3,775.0	18.71	215.13	3,536.1	-998.2	-654.4	1,193.6	1.22	-0.90	-2.52
3,807.0	18.56	213.36	3,566.4	-1,006.7	-660.1	1,203.8	1.83	-0.47	-5.53
3,838.0	18.41	213.17	3,595.8	-1,014.9	-665.5	1,213.6	0.52	-0.48	-0.61
3,870.0	18.37	213.69	3,626.1	-1,023.3	-671.1	1,223.7	0.53	-0.13	1.63
3,901.0	18.90	213.67	3,655.5	-1,031.5	-676.6	1,233.6	1.71	1.71	-0.06
3,933.0	19.11	213.04	3,685.8	-1,040.2	-682.3	1,244.0	0.92	0.66	-1.97
3,964.0	17.39	216.91	3,715.2	-1,048.2	-687.9	1,253.7	6.78	-5.55	12.48
3,996.0	16.76	217.76	3,745.8	-1,055.7	-693.6	1,263.1	2.12	-1.97	2.66
4,027.0	17.25	214.69	3,775.4	-1,063.0	-698.9	1,272.2	3.30	1.58	-9.90
4,059.0	18.16	216.43	3,805.9	-1,070.9	-704.6	1,281.9	3.29	2.84	5.44
4,090.0	17.59	215.33	3,835.4	-1,078.6	-710.1	1,291.4	2.14	-1.84	-3.55
4,122.0	15.70	215.31	3,866.1	-1,086.1	-715.4	1,300.6	5.91	-5.91	-0.06
4,154.0	14.27	214.21	3,897.0	-1,092.9	-720.2	1,308.8	4.56	-4.47	-3.44
4,185.0	13.19	212.90	3,927.1	-1,099.0	-724.2	1,316.2	3.63	-3.48	-4.23
4,217.0	12.34	211.59	3,958.3	-1,105.0	-728.0	1,323.3	2.81	-2.66	-4.09
4,248.0	11.97	210.65	3,988.6	-1,110.6	-731.4	1,329.8	1.35	-1.19	-3.03
4,280.0	11.80	212.17	4,019.9	-1,116.2	-734.8	1,336.4	1.11	-0.53	4.75
4,312.0	10.66	210.71	4,051.3	-1,121.5	-738.1	1,342.6	3.67	-3.56	-4.56
4,343.0	9.33	207.24	4,081.9	-1,126.2	-740.7	1,347.9	4.71	-4.29	-11.19
4,375.0	8.22	206.18	4,113.5	-1,130.6	-742.9	1,352.8	3.51	-3.47	-3.31
4,406.0	6.98	207.48	4,144.2	-1,134.2	-744.7	1,356.9	4.04	-4.00	4.19
4,438.0	6.15	211.40	4,176.0	-1,137.4	-746.5	1,360.5	2.95	-2.59	12.25
4,469.0	5.25	214.97	4,206.8	-1,140.0	-748.2	1,363.6	3.12	-2.90	11.52
4,501.0	4.37	212.34	4,238.7	-1,142.2	-749.7	1,366.3	2.83	-2.75	-8.22
4,532.0	3.59	210.25	4,269.7	-1,144.1	-750.8	1,368.4	2.56	-2.52	-6.74
4,565.0	2.95	217.94	4,302.6	-1,145.6	-751.9	1,370.3	2.35	-1.94	23.30

MANSFIELD #2B

Burlington Resources Oil & Gas Company, LP

Most Recent Job

Jobs

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
COMPLETIONS	INITIAL COMPLETION	INITIAL COMPLETION	1/12/2010	3/23/2010

Well Config: DEVIATED Original Hole 3/25/2010 7:11:02 AM

