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 DRILLE DPLAT"

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

XX AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-30685	71599 / 72319	BASIN DAKOTA / BLANCO MESA VERDE

[4] Property Code	[5] Property Name	[6] Well Number
7469	SAN JUAN 30-6 UNIT	97B

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	6869

[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
J	27	30 N	7 W		1520	SOUTH	1675	EAST	RIO ARRIBA

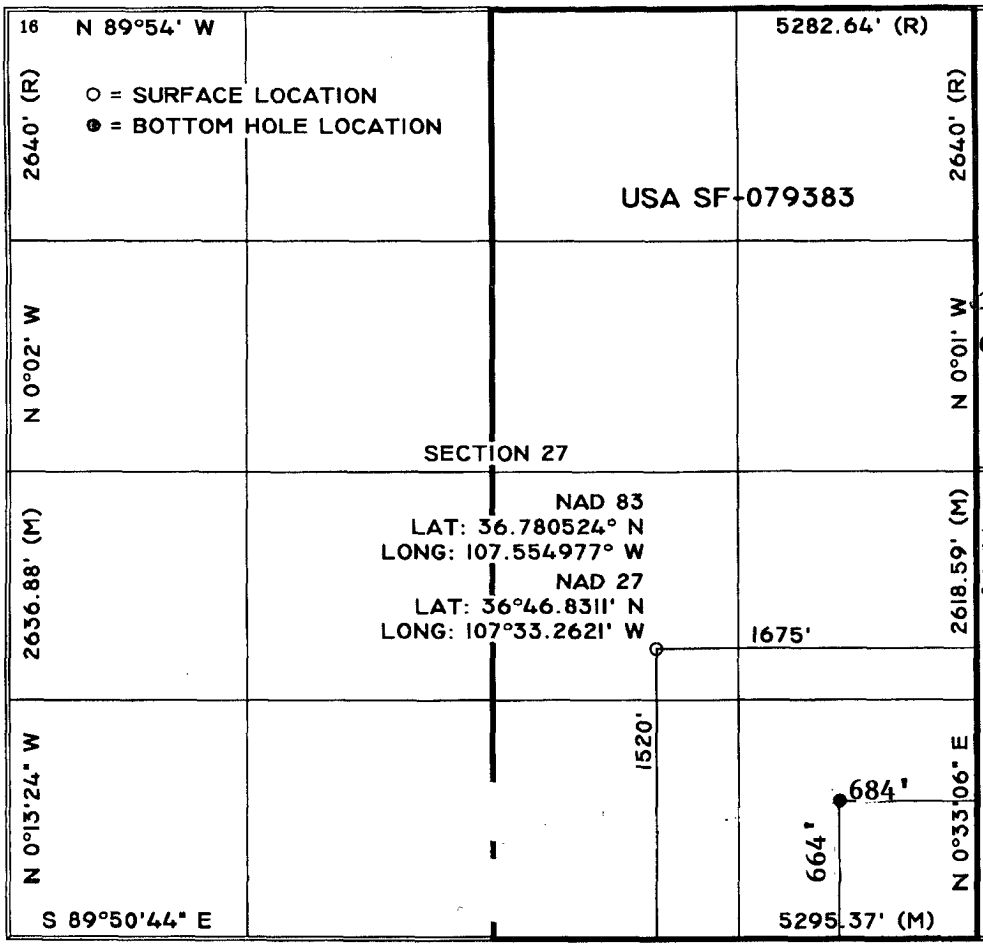
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	30 N	7 W		664	SOUTH	684	EAST	RIO ARRIBA

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

RCVD MAR 3 '11
OIL CONS. DIV.
DIST. 3

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.

Crystal Tafoya 3/2/11
Signature Date

Crystal Tafoya 3/2/11
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.

9/22/08
Date of Survey

Signature and Seal of Professional Surveyor:

MARSHALL W. LINDEEN
NEW MEXICO
10-20-08
17078
LICENSED PROFESSIONAL SURVEYOR

17078
Certificate Number

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210
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1000 Rio Brazos Rd., Aztec, N.M. 87410
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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

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-30685	71599 / 72319	BASIN DAKOTA / MESA VERDE BLANCO

[4] Property Code	[5] Property Name	[6] Well Number
7469	SAN JUAN 30-6 UNIT	97B

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	6872'

[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
J	27	30 N	7 W		1520	SOUTH	1675	EAST	RIO ARRIBA

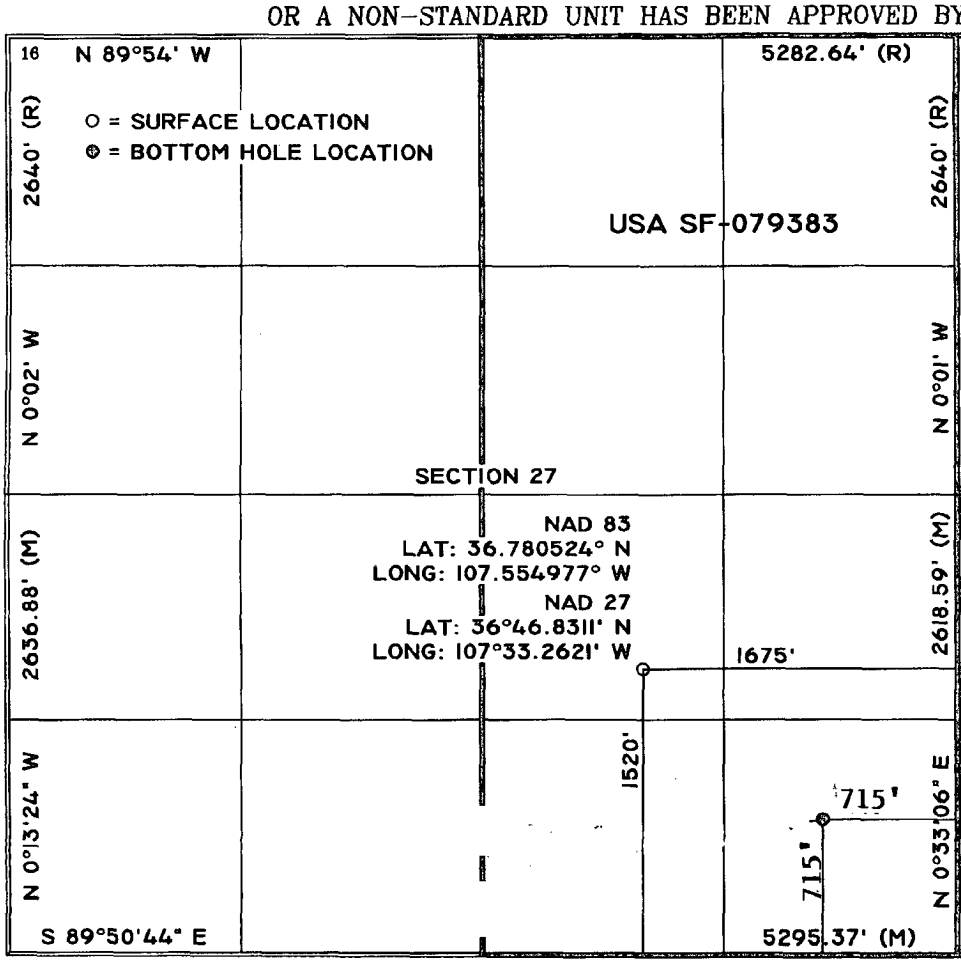
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	30 N	7 W		715	SOUTH	715	EAST	RIO ARRIBA

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

RCVD FEB 25 '11
OIL CONS. DIV.
DIST. 3

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.

Crystal Tafoya 2/24/11
Signature Date

Crystal Tafoya 2/24/2011
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.

9/22/08
Date of Survey

Signature and Seal of Professional Surveyor:

MARSHALL W. LINDEEN
NEW MEXICO
10-30-08
17078
LICENSED PROFESSIONAL SURVEYOR

17078
Certificate Number

COP Deviation Report ConocoPhillips **API: 3003930685**

RCVD FEB 25 '11
OIL CONS. DIV.
DIST. 3

Legal WellName : SAN JUAN 30-6 UNIT #97B	**API / UWI:** 3003930685
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	**Surf Loc:** 027-030N-007W-J
St/Prov: NEW MEXICO	**N/S Dist (ft):** 1,520.00 - FSL
County: RIO ARRIBA	**E/W Dist (ft):** 1,675.00 - FEL

Wellbore Name : Original Hole

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	12/07/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/07/2010	129.00	.50	.00	Inc-Drop	MO-TE DRILLING INC
12/07/2010	238.00	.75	.00	Inc-Drop	MO-TE DRILLING INC

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEY	12/15/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/15/2010	295.00	.57	218.28	IncAzi-MWD	Scientific Drilling
12/15/2010	326.00	1.14	185.79	IncAzi-MWD	Scientific Drilling
12/15/2010	356.00	1.80	175.53	IncAzi-MWD	Scientific Drilling
12/15/2010	387.00	2.09	169.04	IncAzi-MWD	Scientific Drilling
12/15/2010	418.00	2.68	171.58	IncAzi-MWD	Scientific Drilling
12/15/2010	449.00	3.17	169.00	IncAzi-MWD	Scientific Drilling
12/15/2010	479.00	3.99	162.09	IncAzi-MWD	Scientific Drilling
12/15/2010	510.00	4.79	159.11	IncAzi-MWD	Scientific Drilling
12/16/2010	540.00	5.16	154.46	IncAzi-MWD	Scientific Drilling
12/16/2010	571.00	5.63	157.70	IncAzi-MWD	Scientific Drilling
12/16/2010	602.00	6.16	155.25	IncAzi-MWD	Scientific Drilling
12/16/2010	633.00	7.15	155.57	IncAzi-MWD	Scientific Drilling
12/16/2010	664.00	7.51	150.82	IncAzi-MWD	Scientific Drilling
12/16/2010	695.00	7.74	151.82	IncAzi-MWD	Scientific Drilling
12/16/2010	726.00	8.02	150.03	IncAzi-MWD	Scientific Drilling
12/16/2010	757.00	8.75	148.63	IncAzi-MWD	Scientific Drilling
12/16/2010	787.00	9.70	148.50	IncAzi-MWD	Scientific Drilling
12/16/2010	818.00	10.23	147.84	IncAzi-MWD	Scientific Drilling
12/16/2010	880.00	10.88	146.63	IncAzi-MWD	Scientific Drilling
12/16/2010	910.00	11.25	147.41	IncAzi-MWD	Scientific Drilling
12/16/2010	943.00	11.65	146.98	IncAzi-MWD	Scientific Drilling
12/16/2010	975.00	12.05	147.31	IncAzi-MWD	Scientific Drilling
12/16/2010	1,007.00	12.71	144.89	IncAzi-MWD	Scientific Drilling
12/16/2010	1,038.00	13.21	142.72	IncAzi-MWD	Scientific Drilling
12/16/2010	1,070.00	14.12	140.46	IncAzi-MWD	Scientific Drilling
12/16/2010	1,101.00	14.69	139.23	IncAzi-MWD	Scientific Drilling
12/16/2010	1,133.00	15.37	137.69	IncAzi-MWD	Scientific Drilling

12/16/2010	1,165.00	15.45	135.29	IncAzi-MWD	Scientific Drilling
12/16/2010	1,196.00	15.55	133.72	IncAzi-MWD	Scientific Drilling
12/16/2010	1,228.00	16.41	131.15	IncAzi-MWD	Scientific Drilling
12/16/2010	1,259.00	17.02	129.08	IncAzi-MWD	Scientific Drilling
12/16/2010	1,291.00	17.87	129.30	IncAzi-MWD	Scientific Drilling
12/16/2010	1,323.00	18.59	129.08	IncAzi-MWD	Scientific Drilling
12/16/2010	1,355.00	18.94	127.57	IncAzi-MWD	Scientific Drilling
12/16/2010	1,387.00	19.79	127.56	IncAzi-MWD	Scientific Drilling
12/16/2010	1,418.00	20.48	128.59	IncAzi-MWD	Scientific Drilling
12/16/2010	1,450.00	21.55	129.84	IncAzi-MWD	Scientific Drilling
12/16/2010	1,482.00	22.22	131.10	IncAzi-MWD	Scientific Drilling
12/17/2010	1,513.00	22.69	129.46	IncAzi-MWD	Scientific Drilling
12/17/2010	1,544.00	23.60	128.79	IncAzi-MWD	Scientific Drilling
12/17/2010	1,576.00	24.00	128.36	IncAzi-MWD	Scientific Drilling
12/17/2010	1,607.00	24.31	127.78	IncAzi-MWD	Scientific Drilling
12/17/2010	1,638.00	25.01	128.93	IncAzi-MWD	Scientific Drilling
12/17/2010	1,670.00	25.68	128.61	IncAzi-MWD	Scientific Drilling
12/17/2010	1,701.00	26.46	128.92	IncAzi-MWD	Scientific Drilling
12/17/2010	1,733.00	27.35	127.74	IncAzi-MWD	Scientific Drilling
12/17/2010	1,796.00	27.04	126.79	IncAzi-MWD	Scientific Drilling
12/17/2010	1,859.00	27.20	126.22	IncAzi-MWD	Scientific Drilling
12/17/2010	1,922.00	28.21	128.31	IncAzi-MWD	Scientific Drilling
12/17/2010	1,985.00	28.66	128.38	IncAzi-MWD	Scientific Drilling
12/17/2010	2,048.00	28.96	129.18	IncAzi-MWD	Scientific Drilling
12/17/2010	2,111.00	28.26	128.06	IncAzi-MWD	Scientific Drilling
12/17/2010	2,175.00	27.14	124.93	IncAzi-MWD	Scientific Drilling
12/17/2010	2,238.00	27.03	125.22	IncAzi-MWD	Scientific Drilling
12/17/2010	2,301.00	27.54	124.76	IncAzi-MWD	Scientific Drilling
12/17/2010	2,364.00	27.45	125.67	IncAzi-MWD	Scientific Drilling
12/17/2010	2,429.00	26.12	128.79	IncAzi-MWD	Scientific Drilling
12/17/2010	2,491.00	25.77	128.51	IncAzi-MWD	Scientific Drilling
12/17/2010	2,553.00	25.88	127.73	IncAzi-MWD	Scientific Drilling
12/17/2010	2,616.00	25.79	127.04	IncAzi-MWD	Scientific Drilling
12/17/2010	2,680.00	25.24	126.52	IncAzi-MWD	Scientific Drilling
12/17/2010	2,743.00	25.63	126.78	IncAzi-MWD	Scientific Drilling
12/17/2010	2,806.00	26.59	127.03	IncAzi-MWD	Scientific Drilling
12/17/2010	2,869.00	26.89	126.94	IncAzi-MWD	Scientific Drilling
12/17/2010	2,932.00	26.47	126.39	IncAzi-MWD	Scientific Drilling
12/17/2010	2,996.00	27.63	128.20	IncAzi-MWD	Scientific Drilling
12/17/2010	3,059.00	28.93	127.15	IncAzi-MWD	Scientific Drilling
12/17/2010	3,122.00	29.96	127.31	IncAzi-MWD	Scientific Drilling
12/17/2010	3,185.00	29.80	126.90	IncAzi-MWD	Scientific Drilling
12/17/2010	3,247.00	28.93	126.84	IncAzi-MWD	Scientific Drilling
12/17/2010	3,310.00	27.26	126.96	IncAzi-MWD	Scientific Drilling
12/17/2010	3,374.00	27.16	126.98	IncAzi-MWD	Scientific Drilling
12/17/2010	3,437.00	25.67	129.40	IncAzi-MWD	Scientific Drilling
12/17/2010	3,499.00	22.99	128.78	IncAzi-MWD	Scientific Drilling
12/18/2010	3,562.00	19.97	127.60	IncAzi-MWD	Scientific Drilling

12/18/2010	3,625.00	17.66	129.18	IncAzi-MWD	Scientific Drilling
12/18/2010	3,688.00	15.24	130.01	IncAzi-MWD	Scientific Drilling
12/18/2010	3,752.00	12.73	130.90	IncAzi-MWD	Scientific Drilling
12/18/2010	3,815.00	10.65	133.01	IncAzi-MWD	Scientific Drilling
12/18/2010	3,878.00	9.72	136.69	IncAzi-MWD	Scientific Drilling
12/18/2010	3,941.00	7.70	137.04	IncAzi-MWD	Scientific Drilling
12/18/2010	4,004.00	6.98	136.52	IncAzi-MWD	Scientific Drilling
12/18/2010	4,050.00	6.66	134.81	IncAzi-MWD	Scientific Drilling
01/20/2011	4,069.00	6.50	136.15	IncAzi-WL	Scientific Drilling
01/20/2011	4,099.00	6.10	136.68	IncAzi-WL	Scientific Drilling
01/20/2011	4,129.00	5.66	138.07	IncAzi-WL	Scientific Drilling
01/20/2011	4,159.00	5.13	137.82	IncAzi-WL	Scientific Drilling
01/20/2011	4,189.00	4.61	141.49	IncAzi-WL	Scientific Drilling
01/20/2011	4,219.00	4.19	142.07	IncAzi-WL	Scientific Drilling
01/20/2011	4,249.00	3.57	145.09	IncAzi-WL	Scientific Drilling
01/20/2011	4,279.00	3.02	145.28	IncAzi-WL	Scientific Drilling
01/20/2011	4,309.00	2.64	146.61	IncAzi-WL	Scientific Drilling
01/20/2011	4,339.00	2.17	145.85	IncAzi-WL	Scientific Drilling
01/20/2011	4,369.00	1.80	147.07	IncAzi-WL	Scientific Drilling
01/20/2011	4,399.00	1.59	149.39	IncAzi-WL	Scientific Drilling
01/20/2011	4,429.00	1.41	150.25	IncAzi-WL	Scientific Drilling
01/20/2011	4,459.00	1.28	153.43	IncAzi-WL	Scientific Drilling
01/20/2011	4,489.00	1.16	153.21	IncAzi-WL	Scientific Drilling
01/20/2011	4,519.00	.98	154.50	IncAzi-WL	Scientific Drilling
01/20/2011	4,549.00	.83	158.92	IncAzi-WL	Scientific Drilling
01/20/2011	4,579.00	.62	166.29	IncAzi-WL	Scientific Drilling
01/20/2011	4,609.00	.42	162.63	IncAzi-WL	Scientific Drilling
01/20/2011	4,639.00	.40	128.27	IncAzi-WL	Scientific Drilling
01/20/2011	4,669.00	.65	143.68	IncAzi-WL	Scientific Drilling
01/20/2011	4,699.00	.63	153.63	IncAzi-WL	Scientific Drilling
01/20/2011	4,729.00	.36	145.35	IncAzi-WL	Scientific Drilling
01/20/2011	4,759.00	.62	135.42	IncAzi-WL	Scientific Drilling
01/20/2011	4,789.00	.52	150.66	IncAzi-WL	Scientific Drilling
01/20/2011	4,819.00	.36	180.10	IncAzi-WL	Scientific Drilling
01/20/2011	4,849.00	.20	166.11	IncAzi-WL	Scientific Drilling
01/20/2011	4,879.00	.53	159.19	IncAzi-WL	Scientific Drilling
01/20/2011	4,909.00	.57	173.96	IncAzi-WL	Scientific Drilling
01/20/2011	4,939.00	.58	191.86	IncAzi-WL	Scientific Drilling
01/20/2011	4,969.00	.42	197.49	IncAzi-WL	Scientific Drilling
01/20/2011	4,999.00	.23	180.95	IncAzi-WL	Scientific Drilling
01/20/2011	5,029.00	.35	153.96	IncAzi-WL	Scientific Drilling
01/20/2011	5,059.00	.47	152.04	IncAzi-WL	Scientific Drilling
01/20/2011	5,089.00	.46	157.46	IncAzi-WL	Scientific Drilling
01/20/2011	5,119.00	.51	163.99	IncAzi-WL	Scientific Drilling
01/20/2011	5,149.00	.45	191.03	IncAzi-WL	Scientific Drilling
01/20/2011	5,179.00	.41	198.21	IncAzi-WL	Scientific Drilling
01/20/2011	5,209.00	.40	215.81	IncAzi-WL	Scientific Drilling
01/20/2011	5,239.00	.38	225.85	IncAzi-WL	Scientific Drilling

01/20/2011	5,269.00	.38	230.30	IncAzi-WL	Scientific Drilling
01/20/2011	5,299.00	.32	238.73	IncAzi-WL	Scientific Drilling
01/20/2011	5,329.00	.30	238.18	IncAzi-WL	Scientific Drilling
01/20/2011	5,359.00	.40	230.80	IncAzi-WL	Scientific Drilling
01/20/2011	5,389.00	.40	229.00	IncAzi-WL	Scientific Drilling
01/20/2011	5,419.00	.48	214.26	IncAzi-WL	Scientific Drilling
01/20/2011	5,449.00	.33	241.80	IncAzi-WL	Scientific Drilling
01/20/2011	5,479.00	.33	219.05	IncAzi-WL	Scientific Drilling
01/20/2011	5,509.00	.29	234.69	IncAzi-WL	Scientific Drilling
01/20/2011	5,539.00	.30	239.36	IncAzi-WL	Scientific Drilling
01/20/2011	5,569.00	.23	235.22	IncAzi-WL	Scientific Drilling
01/20/2011	5,599.00	.11	209.11	IncAzi-WL	Scientific Drilling
01/20/2011	5,629.00	.16	175.04	IncAzi-WL	Scientific Drilling
01/20/2011	5,659.00	.13	151.07	IncAzi-WL	Scientific Drilling
01/20/2011	5,689.00	.17	111.54	IncAzi-WL	Scientific Drilling
01/20/2011	5,719.00	.22	96.87	IncAzi-WL	Scientific Drilling
01/20/2011	5,749.00	.35	84.86	IncAzi-WL	Scientific Drilling
01/20/2011	5,779.00	.54	91.20	IncAzi-WL	Scientific Drilling
01/20/2011	5,809.00	.44	113.78	IncAzi-WL	Scientific Drilling
01/20/2011	5,839.00	.54	119.26	IncAzi-WL	Scientific Drilling
01/20/2011	5,869.00	.68	118.91	IncAzi-WL	Scientific Drilling
01/20/2011	5,899.00	.73	107.78	IncAzi-WL	Scientific Drilling
01/20/2011	5,929.00	.72	102.12	IncAzi-WL	Scientific Drilling
01/20/2011	5,959.00	.51	96.86	IncAzi-WL	Scientific Drilling
01/20/2011	5,989.00	.38	119.50	IncAzi-WL	Scientific Drilling
01/20/2011	6,019.00	.44	168.93	IncAzi-WL	Scientific Drilling
01/20/2011	6,049.00	.56	188.00	IncAzi-WL	Scientific Drilling
01/20/2011	6,079.00	.47	150.76	IncAzi-WL	Scientific Drilling
01/20/2011	6,109.00	.34	156.60	IncAzi-WL	Scientific Drilling
01/20/2011	6,139.00	.42	129.36	IncAzi-WL	Scientific Drilling
01/20/2011	6,169.00	.98	123.25	IncAzi-WL	Scientific Drilling
01/20/2011	6,199.00	.94	123.44	IncAzi-WL	Scientific Drilling
01/20/2011	6,229.00	.97	126.86	IncAzi-WL	Scientific Drilling
01/20/2011	6,259.00	.95	125.70	IncAzi-WL	Scientific Drilling
01/20/2011	6,289.00	.93	126.88	IncAzi-WL	Scientific Drilling
01/20/2011	6,319.00	.86	131.29	IncAzi-WL	Scientific Drilling
01/20/2011	6,349.00	.93	132.04	IncAzi-WL	Scientific Drilling
01/20/2011	6,379.00	.96	131.38	IncAzi-WL	Scientific Drilling
01/20/2011	6,409.00	.93	133.87	IncAzi-WL	Scientific Drilling
01/20/2011	6,439.00	.99	141.15	IncAzi-WL	Scientific Drilling
01/20/2011	6,469.00	1.44	145.57	IncAzi-WL	Scientific Drilling
01/20/2011	6,499.00	1.00	133.51	IncAzi-WL	Scientific Drilling
01/20/2011	6,529.00	.95	135.26	IncAzi-WL	Scientific Drilling
01/20/2011	6,559.00	.91	153.29	IncAzi-WL	Scientific Drilling
01/20/2011	6,589.00	.90	162.74	IncAzi-WL	Scientific Drilling
01/20/2011	6,619.00	.96	166.26	IncAzi-WL	Scientific Drilling
01/20/2011	6,649.00	.91	168.59	IncAzi-WL	Scientific Drilling
01/20/2011	6,679.00	.79	171.56	IncAzi-WL	Scientific Drilling

01/20/2011	6,709.00	.86	168.12	IncAzi-WL	Scientific Drilling
01/20/2011	6,739.00	.89	170.34	IncAzi-WL	Scientific Drilling
01/20/2011	6,769.00	.85	168.27	IncAzi-WL	Scientific Drilling
01/20/2011	6,799.00	.88	170.15	IncAzi-WL	Scientific Drilling
01/20/2011	6,829.00	.78	177.84	IncAzi-WL	Scientific Drilling
01/20/2011	6,859.00	.62	183.66	IncAzi-WL	Scientific Drilling
01/20/2011	6,889.00	.64	181.38	IncAzi-WL	Scientific Drilling
01/20/2011	6,919.00	.62	183.56	IncAzi-WL	Scientific Drilling
01/20/2011	6,949.00	.70	182.40	IncAzi-WL	Scientific Drilling
01/20/2011	6,979.00	.79	174.85	IncAzi-WL	Scientific Drilling
01/20/2011	7,009.00	.89	165.11	IncAzi-WL	Scientific Drilling
01/20/2011	7,039.00	.84	147.73	IncAzi-WL	Scientific Drilling
01/20/2011	7,069.00	.65	133.80	IncAzi-WL	Scientific Drilling
01/20/2011	7,099.00	.54	144.69	IncAzi-WL	Scientific Drilling
01/20/2011	7,129.00	.51	157.95	IncAzi-WL	Scientific Drilling
01/20/2011	7,159.00	.60	178.22	IncAzi-WL	Scientific Drilling
01/20/2011	7,189.00	.69	190.43	IncAzi-WL	Scientific Drilling
01/20/2011	7,219.00	.43	190.09	IncAzi-WL	Scientific Drilling
01/20/2011	7,249.00	.43	258.10	IncAzi-WL	Scientific Drilling
01/20/2011	7,279.00	.54	227.68	IncAzi-WL	Scientific Drilling
01/20/2011	7,309.00	.33	258.20	IncAzi-WL	Scientific Drilling
01/20/2011	7,339.00	.50	250.91	IncAzi-WL	Scientific Drilling
01/20/2011	7,369.00	.48	236.80	IncAzi-WL	Scientific Drilling
01/20/2011	7,399.00	.43	264.45	IncAzi-WL	Scientific Drilling
01/20/2011	7,429.00	.39	229.76	IncAzi-WL	Scientific Drilling
01/20/2011	7,459.00	.35	258.29	IncAzi-WL	Scientific Drilling
01/20/2011	7,489.00	.45	238.87	IncAzi-WL	Scientific Drilling
01/20/2011	7,519.00	.31	269.53	IncAzi-WL	Scientific Drilling
01/20/2011	7,549.00	.40	224.80	IncAzi-WL	Scientific Drilling
01/20/2011	7,579.00	.28	268.72	IncAzi-WL	Scientific Drilling
01/20/2011	7,609.00	.26	199.25	IncAzi-WL	Scientific Drilling
01/20/2011	7,639.00	.25	222.43	IncAzi-WL	Scientific Drilling
01/20/2011	7,669.00	.27	182.02	IncAzi-WL	Scientific Drilling
01/20/2011	7,699.00	.45	229.10	IncAzi-WL	Scientific Drilling
01/20/2011	7,729.00	.23	160.72	IncAzi-WL	Scientific Drilling
01/20/2011	7,759.00	.44	162.94	IncAzi-WL	Scientific Drilling
01/20/2011	7,789.00	.41	160.10	IncAzi-WL	Scientific Drilling
01/20/2011	7,819.00	.53	126.92	IncAzi-WL	Scientific Drilling
01/20/2011	7,849.00	.76	125.15	IncAzi-WL	Scientific Drilling
01/20/2011	7,879.00	.83	137.27	IncAzi-WL	Scientific Drilling
01/20/2011	7,909.00	.74	123.80	IncAzi-WL	Scientific Drilling
01/20/2011	7,939.00	.99	120.68	IncAzi-WL	Scientific Drilling
01/20/2011	7,969.00	1.09	128.55	IncAzi-WL	Scientific Drilling
01/20/2011	7,999.00	1.12	131.62	IncAzi-WL	Scientific Drilling
01/20/2011	8,029.00	1.25	131.83	IncAzi-WL	Scientific Drilling
01/20/2011	8,059.00	1.04	127.55	IncAzi-WL	Scientific Drilling
01/20/2011	8,089.00	1.15	122.69	IncAzi-WL	Scientific Drilling
01/20/2011	8,119.00	1.10	143.83	IncAzi-WL	Scientific Drilling

01/20/2011	8,149.00	1.11	151.20	IncAzi-WL	Scientific Drilling
01/20/2011	8,179.00	1.06	155.36	IncAzi-WL	Scientific Drilling
01/20/2011	8,209.00	.94	156.05	IncAzi-WL	Scientific Drilling
01/20/2011	8,239.00	1.04	158.84	IncAzi-WL	Scientific Drilling
01/20/2011	8,269.00	.67	147.88	IncAzi-WL	Scientific Drilling
01/20/2011	8,299.00	.56	119.04	IncAzi-WL	Scientific Drilling
01/20/2011	8,329.00	.52	101.08	IncAzi-WL	Scientific Drilling
01/20/2011	8,359.00	.41	104.53	IncAzi-WL	Scientific Drilling
01/20/2011	8,389.00	.38	108.82	IncAzi-WL	Scientific Drilling
01/20/2011	8,419.00	.36	134.67	IncAzi-WL	Scientific Drilling
01/20/2011	8,449.00	.39	89.52	IncAzi-WL	Scientific Drilling
01/20/2011	8,479.00	.29	91.60	IncAzi-WL	Scientific Drilling
01/20/2011	8,509.00	.30	113.15	IncAzi-WL	Scientific Drilling
01/20/2011	8,530.00	.61	125.93	IncAzi-WL	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 February 21, 2011

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

ConocoPhillips

SJB (NM Central)
SEC 27-T30N-R7W
SJ 30-6 #97B
API# 30-039-30685
Original Hole

Survey: Actual

Standard Survey Report

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

Notarized this date 22nd of February, 2011.

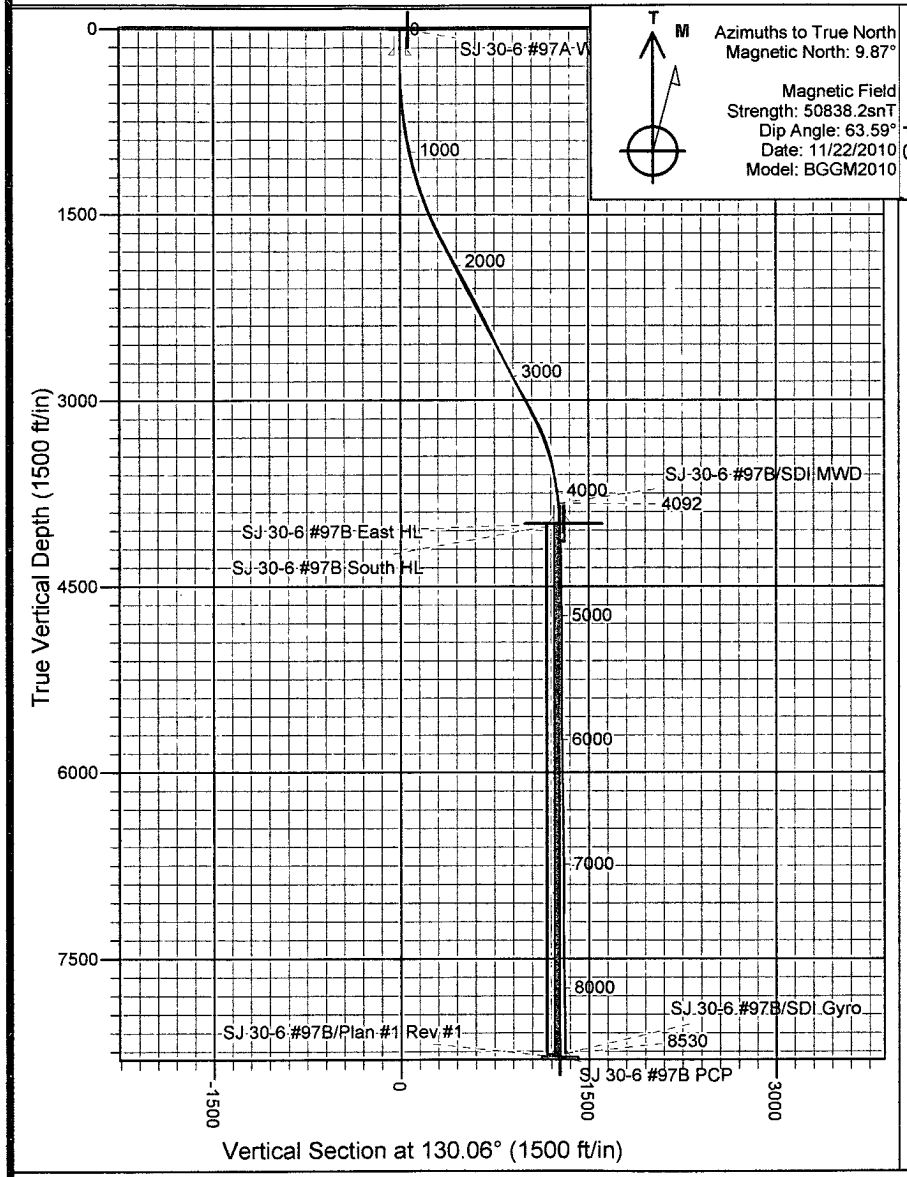
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 27-T30N-R7W
Well: SJ 30-6 #97B
Wellbore: Original Hole
Design: Plan #1 Rev #1

ConocoPhillips

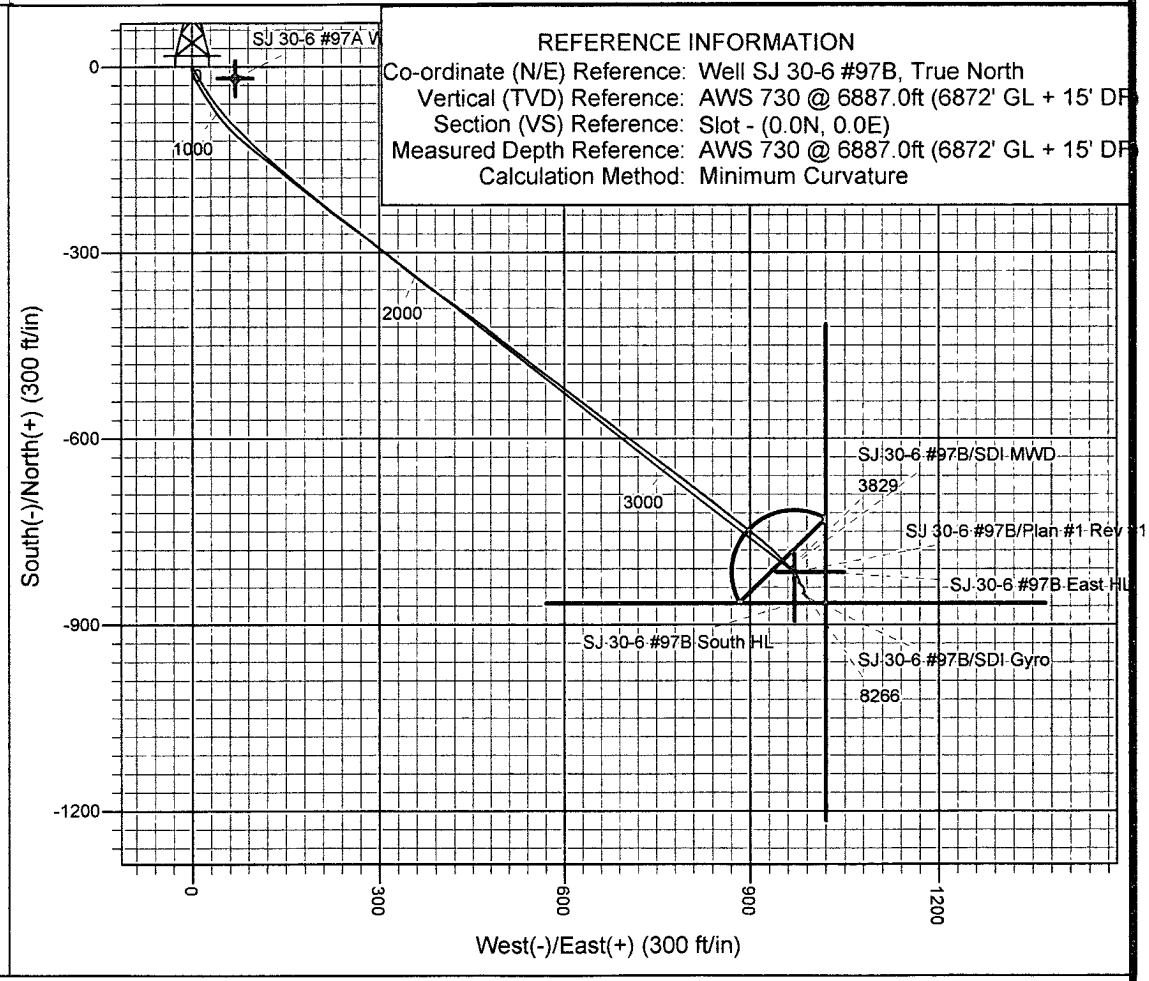


Azimuths to True North
Magnetic North: 9.87°

Magnetic Field
Strength: 50838.2snT
Dip Angle: 63.59°
Date: 11/22/2010
Model: BGGM2010

WELL DETAILS: SJ 30-6 #97B
AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Ground Level: 6872.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2105935.24	118009.57	36° 46' 49.866 N	107° 33' 15.726 W	



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 30-6 #97B, True North
Vertical (TVD) Reference: AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 730 @ 6887.0ft (6872' GL + 15' DF)
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 27-T30N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 46' 49.866 N
Longitude: 107° 33' 15.726 W
Positional Uncertainity: 7.5
Convergence: -0.78
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**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 27-T30N-R7W

Site Position:		**Northing:**	2,105,935.24 ft	**Latitude:**	36° 46' 49.866 N
From:	Lat/Long	**Easting:**	118,009.57 ft	**Longitude:**	107° 33' 15.726 W
Position Uncertainty:	15.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.78 °

Well SJ 30-6 #97B, S-Type MV/DK Well

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,105,935.24 ft	**Latitude:**	36° 46' 49.866 N
	+E/-W	0.0 ft	**Easting:**	118,009.57 ft	**Longitude:**	107° 33' 15.726 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,872.0 ft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/22/2010	9.87	63.59	50,838

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	129.99

Survey Program **Date** 1/14/2011

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
295.0	4,050.0	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
295.0	0.57	218.28	295.0	-1.2	-0.9	0.0	0.19	0.19	0.00
326.0	1.14	185.79	326.0	-1.6	-1.0	0.2	2.34	1.84	-104.81
356.0	1.80	175.53	356.0	-2.3	-1.0	0.7	2.36	2.20	-34.20
387.0	2.09	169.04	387.0	-3.4	-0.9	1.5	1.17	0.94	-20.94
418.0	2.68	171.58	417.9	-4.7	-0.7	2.5	1.93	1.90	8.19
449.0	3.17	169.00	448.9	-6.2	-0.4	3.7	1.64	1.58	-8.32
479.0	3.99	162.09	478.8	-8.0	0.1	5.2	3.08	2.73	-23.03
510.0	4.79	159.11	509.7	-10.3	0.9	7.3	2.68	2.58	-9.61
540.0	5.16	154.46	539.6	-12.6	1.9	9.6	1.82	1.23	-15.50
571.0	5.63	157.70	570.5	-15.3	3.1	12.2	1.81	1.52	10.45
602.0	6.16	155.25	601.3	-18.2	4.4	15.0	1.89	1.71	-7.90
633.0	7.15	155.57	632.1	-21.5	5.8	18.3	3.20	3.19	1.03

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**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)
664.0	7.51	150.82	662.9	-25.0	7.6	21.9	2.27	1.16	-15.32
695.0	7.74	151.82	693.6	-28.6	9.6	25.8	0.86	0.74	3.23
726.0	8.02	150.03	724.3	-32.3	11.7	29.7	1.20	0.90	-5.77
757.0	8.75	148.63	755.0	-36.2	14.0	34.0	2.45	2.35	-4.52
787.0	9.70	148.50	784.6	-40.3	16.5	38.6	3.17	3.17	-0.43
818.0	10.23	147.84	815.1	-44.9	19.3	43.6	1.75	1.71	-2.13
880.0	10.88	146.63	876.1	-54.4	25.5	54.5	1.11	1.05	-1.95
910.0	11.25	147.41	905.5	-59.3	28.6	60.0	1.33	1.23	2.60
943.0	11.65	146.98	937.9	-64.8	32.1	66.3	1.24	1.21	-1.30
975.0	12.05	147.31	969.2	-70.3	35.7	72.5	1.27	1.25	1.03
1,007.0	12.71	144.89	1,000.4	-76.0	39.5	79.1	2.62	2.06	-7.56
1,038.0	13.21	142.72	1,030.6	-81.6	43.6	85.9	2.25	1.61	-7.00
1,070.0	14.12	140.46	1,061.7	-87.5	48.3	93.3	3.30	2.84	-7.06
1,101.0	14.69	139.23	1,091.8	-93.4	53.3	100.9	2.09	1.84	-3.97
1,133.0	15.37	137.69	1,122.7	-99.6	58.8	109.1	2.46	2.13	-4.81
1,165.0	15.45	135.29	1,153.5	-105.8	64.7	117.5	2.01	0.25	-7.50
1,196.0	15.55	133.72	1,183.4	-111.6	70.6	125.8	1.39	0.32	-5.06
1,228.0	16.41	131.15	1,214.1	-117.5	77.1	134.6	3.48	2.69	-8.03
1,259.0	17.02	129.08	1,243.8	-123.3	83.9	143.5	2.75	1.97	-6.68
1,291.0	17.87	129.30	1,274.4	-129.3	91.3	153.1	2.66	2.66	0.69
1,323.0	18.59	129.08	1,304.8	-135.7	99.1	163.1	2.26	2.25	-0.69
1,355.0	18.94	127.57	1,335.1	-142.0	107.2	173.4	1.87	1.09	-4.72
1,387.0	19.79	127.56	1,365.2	-148.5	115.6	184.0	2.66	2.66	-0.03
1,418.0	20.48	128.59	1,394.4	-155.1	124.0	194.7	2.50	2.23	3.32
1,450.0	21.55	129.84	1,424.2	-162.3	132.9	206.1	3.63	3.34	3.91
1,482.0	22.22	131.10	1,453.9	-170.1	142.0	218.1	2.56	2.09	3.94
1,513.0	22.69	129.46	1,482.6	-177.7	151.0	229.9	2.53	1.52	-5.29
1,544.0	23.60	128.79	1,511.1	-185.4	160.4	242.1	3.06	2.94	-2.16
1,576.0	24.00	128.36	1,540.4	-193.5	170.5	255.0	1.36	1.25	-1.34
1,607.0	24.31	127.78	1,568.6	-201.3	180.5	267.7	1.26	1.00	-1.87
1,638.0	25.01	128.93	1,596.8	-209.3	190.7	280.6	2.74	2.26	3.71
1,670.0	25.68	128.61	1,625.7	-217.9	201.3	294.3	2.14	2.09	-1.00
1,701.0	26.46	128.92	1,653.6	-226.4	212.0	307.9	2.55	2.52	1.00
1,733.0	27.35	127.74	1,682.1	-235.4	223.3	322.4	3.24	2.78	-3.69
1,796.0	27.04	126.79	1,738.1	-252.9	246.2	351.2	0.85	-0.49	-1.51
1,859.0	27.20	126.22	1,794.2	-269.9	269.3	379.8	0.48	0.25	-0.90
1,922.0	28.21	128.31	1,850.0	-287.7	292.6	409.1	2.22	1.60	3.32
1,985.0	28.66	128.38	1,905.4	-306.3	316.2	439.1	0.72	0.71	0.11
2,048.0	28.96	129.18	1,960.6	-325.3	339.8	469.4	0.78	0.48	1.27
2,111.0	28.26	128.06	2,015.9	-344.1	363.4	499.6	1.40	-1.11	-1.78
2,175.0	27.14	124.93	2,072.6	-361.8	387.3	529.3	2.87	-1.75	-4.89
2,238.0	27.03	125.22	2,128.7	-378.3	410.8	557.8	0.27	-0.17	0.46
2,301.0	27.54	124.76	2,184.7	-394.9	434.4	586.6	0.88	0.81	-0.73
2,364.0	27.45	125.67	2,240.5	-411.6	458.2	615.6	0.68	-0.14	1.44
2,429.0	26.12	128.79	2,298.6	-429.3	481.5	644.8	2.98	-2.05	4.80
2,491.0	25.77	128.51	2,354.3	-446.3	502.7	671.9	0.60	-0.56	-0.45
2,553.0	25.88	127.73	2,410.1	-463.0	523.9	698.9	0.58	0.18	-1.26
2,616.0	25.79	127.04	2,466.8	-479.6	545.8	726.4	0.50	-0.14	-1.10
2,680.0	25.24	126.52	2,524.6	-496.1	567.8	753.9	0.93	-0.86	-0.81
2,743.0	25.63	126.78	2,581.5	-512.3	589.5	780.9	0.64	0.62	0.41
2,806.0	26.59	127.03	2,638.1	-528.9	611.7	808.6	1.53	1.52	0.40
2,869.0	26.89	126.94	2,694.3	-546.0	634.4	836.9	0.48	0.48	-0.14
2,932.0	26.47	126.39	2,750.6	-562.9	657.0	865.1	0.77	-0.67	-0.87
2,996.0	27.63	128.20	2,807.6	-580.5	680.2	894.2	2.22	1.81	2.83

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**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)
3,059.0	28.93	127.15	2,863.1	-598.8	703.8	924.0	2.21	2.06	-1.67
3,122.0	29.96	127.31	2,917.9	-617.5	728.5	955.0	1.64	1.63	0.25
3,185.0	29.80	126.90	2,972.6	-636.4	753.5	986.3	0.41	-0.25	-0.65
3,247.0	28.93	126.84	3,026.6	-654.7	777.8	1,016.7	1.40	-1.40	-0.10
3,310.0	27.26	126.96	3,082.2	-672.5	801.6	1,046.3	2.65	-2.65	0.19
3,374.0	27.16	126.98	3,139.1	-690.1	824.9	1,075.5	0.16	-0.16	0.03
3,437.0	25.67	129.40	3,195.5	-707.4	847.0	1,103.5	2.92	-2.37	3.84
3,499.0	22.99	128.78	3,252.0	-723.5	866.8	1,129.1	4.34	-4.32	-1.00
3,562.0	19.97	127.60	3,310.6	-737.8	884.9	1,152.1	4.84	-4.79	-1.87
3,625.0	17.66	129.18	3,370.3	-750.4	900.8	1,172.4	3.75	-3.67	2.51
3,688.0	15.24	130.01	3,430.7	-761.7	914.6	1,190.3	3.86	-3.84	1.32
3,752.0	12.73	130.90	3,492.8	-771.8	926.4	1,205.7	3.94	-3.92	1.39
3,815.0	10.65	133.01	3,554.5	-780.3	935.9	1,218.5	3.37	-3.30	3.35
3,878.0	9.72	136.69	3,616.5	-788.1	943.8	1,229.6	1.80	-1.48	5.84
3,941.0	7.70	137.04	3,678.7	-795.1	950.3	1,239.0	3.21	-3.21	0.56
4,004.0	6.98	136.52	3,741.2	-801.0	955.8	1,247.0	1.15	-1.14	-0.83
4,050.0	6.66	134.81	3,786.9	-804.9	959.6	1,252.5	0.82	-0.70	-3.72

ConocoPhillips

Scientific Drilling International, Inc.

Survey Report

Scientific Drilling
Directional Drilling Operations

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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 27-T30N-R7W				
Site Position:		**Northing:**	2,105,935.24 ft	**Latitude:**	36° 46' 49.866 N
From:	Lat/Long	**Easting:**	118,009.57 ft	**Longitude:**	107° 33' 15.726 W
Position Uncertainty:	15.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.78 °

Well	SJ 30-6 #97B, S-Type MV/DK Well					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,105,935.24 ft	**Latitude:**	36° 46' 49.866 N
	+E/-W	0.0 ft	**Easting:**	118,009.57 ft	**Longitude:**	107° 33' 15.726 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,872.0 ft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	11/22/2010	9.87	63.59	50,838

Design	As Drilled				
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	130.06	

Survey Program **Date** 2/21/2011

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
295.0	4,050.0	SDI MWD (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1
4,069.0	8,530.0	SDI Gyro (Original Hole)	Standard Keeper 103	Standard Wireline Keeper ver 1.0.3

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)
4,050.0	6.66	134.81	3,786.9	-804.9	959.6	1,252.5	0.00	0.00	0.00
4,069.0	6.50	136.15	3,805.8	-806.4	961.1	1,254.6	1.17	-0.84	7.05
4,099.0	6.10	136.68	3,835.6	-808.8	963.4	1,257.9	1.35	-1.33	1.77
4,129.0	5.66	138.07	3,865.4	-811.1	965.5	1,261.0	1.54	-1.47	4.63
4,159.0	5.13	137.82	3,895.3	-813.2	967.4	1,263.8	1.77	-1.77	-0.83
4,189.0	4.61	141.49	3,925.2	-815.1	969.0	1,266.3	2.02	-1.73	12.23
4,219.0	4.19	142.07	3,955.1	-816.9	970.5	1,268.5	1.41	-1.40	1.93
4,249.0	3.57	145.09	3,985.0	-818.5	971.7	1,270.5	2.18	-2.07	10.07
4,279.0	3.02	145.28	4,015.0	-819.9	972.7	1,272.2	1.83	-1.83	0.63
4,309.0	2.64	146.61	4,044.9	-821.2	973.5	1,273.6	1.29	-1.27	4.43
4,339.0	2.17	145.85	4,074.9	-822.2	974.2	1,274.8	1.57	-1.57	-2.53
4,369.0	1.80	147.07	4,104.9	-823.1	974.8	1,275.8	1.24	-1.23	4.07

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
4,399.0	1.59	149.39	4,134.9	-823.8	975.2	1,276.6	0.74	-0.70	7.73
4,429.0	1.41	150.25	4,164.9	-824.5	975.6	1,277.4	0.60	-0.60	2.87
4,459.0	1.28	153.43	4,194.9	-825.1	976.0	1,278.0	0.50	-0.43	10.60
4,489.0	1.16	153.21	4,224.9	-825.7	976.2	1,278.6	0.40	-0.40	-0.73
4,519.0	0.98	154.50	4,254.9	-826.2	976.5	1,279.1	0.61	-0.60	4.30
4,549.0	0.83	158.92	4,284.9	-826.6	976.7	1,279.5	0.55	-0.50	14.73
4,579.0	0.62	166.29	4,314.9	-827.0	976.8	1,279.9	0.76	-0.70	24.57
4,609.0	0.42	162.63	4,344.9	-827.3	976.9	1,280.1	0.68	-0.67	-12.20
4,639.0	0.40	128.27	4,374.9	-827.4	977.0	1,280.3	0.81	-0.07	-114.53
4,669.0	0.65	143.68	4,404.9	-827.6	977.2	1,280.6	0.95	0.83	51.37
4,699.0	0.63	153.63	4,434.8	-827.9	977.3	1,280.9	0.38	-0.07	33.17
4,729.0	0.36	145.35	4,464.8	-828.2	977.5	1,281.1	0.93	-0.90	-27.60
4,759.0	0.62	135.42	4,494.8	-828.3	977.6	1,281.4	0.91	0.87	-33.10
4,789.0	0.52	150.66	4,524.8	-828.6	977.8	1,281.7	0.60	-0.33	50.80
4,819.0	0.36	180.10	4,554.8	-828.8	977.9	1,281.8	0.91	-0.53	98.13
4,849.0	0.20	166.11	4,584.8	-828.9	977.9	1,281.9	0.58	-0.53	-46.63
4,879.0	0.53	159.19	4,614.8	-829.1	978.0	1,282.1	1.11	1.10	-23.07
4,909.0	0.57	173.96	4,644.8	-829.4	978.0	1,282.3	0.49	0.13	49.23
4,939.0	0.58	191.86	4,674.8	-829.7	978.0	1,282.5	0.60	0.03	59.67
4,969.0	0.42	197.49	4,704.8	-829.9	977.9	1,282.6	0.56	-0.53	18.77
4,999.0	0.23	180.95	4,734.8	-830.1	977.9	1,282.7	0.70	-0.63	-55.13
5,029.0	0.35	153.96	4,764.8	-830.3	977.9	1,282.8	0.60	0.40	-89.97
5,059.0	0.47	152.04	4,794.8	-830.4	978.0	1,283.0	0.40	0.40	-6.40
5,089.0	0.46	157.46	4,824.8	-830.7	978.1	1,283.3	0.15	-0.03	18.07
5,119.0	0.51	163.99	4,854.8	-830.9	978.2	1,283.5	0.25	0.17	21.77
5,149.0	0.45	191.03	4,884.8	-831.1	978.2	1,283.6	0.77	-0.20	90.13
5,179.0	0.41	198.21	4,914.8	-831.4	978.2	1,283.7	0.22	-0.13	23.93
5,209.0	0.40	215.81	4,944.8	-831.6	978.1	1,283.8	0.41	-0.03	58.67
5,239.0	0.38	225.85	4,974.8	-831.7	978.0	1,283.8	0.24	-0.07	33.47
5,269.0	0.38	230.30	5,004.8	-831.8	977.8	1,283.8	0.10	0.00	14.83
5,299.0	0.32	238.73	5,034.8	-831.9	977.7	1,283.7	0.26	-0.20	28.10
5,329.0	0.30	238.18	5,064.8	-832.0	977.5	1,283.7	0.07	-0.07	-1.83
5,359.0	0.40	230.80	5,094.8	-832.1	977.4	1,283.6	0.36	0.33	-24.60
5,389.0	0.40	229.00	5,124.8	-832.3	977.2	1,283.6	0.04	0.00	-6.00
5,419.0	0.48	214.26	5,154.8	-832.4	977.1	1,283.6	0.46	0.27	-49.13
5,449.0	0.33	241.80	5,184.8	-832.6	976.9	1,283.6	0.81	-0.50	91.80
5,479.0	0.33	219.05	5,214.8	-832.7	976.8	1,283.5	0.43	0.00	-75.83
5,509.0	0.29	234.69	5,244.8	-832.8	976.7	1,283.5	0.31	-0.13	52.13
5,539.0	0.30	239.36	5,274.8	-832.9	976.5	1,283.5	0.09	0.03	15.57
5,569.0	0.23	235.22	5,304.8	-833.0	976.4	1,283.4	0.24	-0.23	-13.80
5,599.0	0.11	209.11	5,334.8	-833.0	976.4	1,283.4	0.47	-0.40	-87.03
5,629.0	0.16	175.04	5,364.8	-833.1	976.4	1,283.4	0.31	0.17	-113.57
5,659.0	0.13	151.07	5,394.8	-833.2	976.4	1,283.5	0.22	-0.10	-79.90
5,689.0	0.17	111.54	5,424.8	-833.2	976.4	1,283.6	0.36	0.13	-131.77
5,719.0	0.22	96.87	5,454.8	-833.2	976.5	1,283.7	0.23	0.17	-48.90
5,749.0	0.35	84.86	5,484.8	-833.2	976.7	1,283.8	0.47	0.43	-40.03
5,779.0	0.54	91.20	5,514.8	-833.2	976.9	1,284.0	0.65	0.63	21.13
5,809.0	0.44	113.78	5,544.8	-833.3	977.2	1,284.2	0.72	-0.33	75.27
5,839.0	0.54	119.26	5,574.8	-833.4	977.4	1,284.4	0.37	0.33	18.27
5,869.0	0.68	116.91	5,604.8	-833.5	977.7	1,284.7	0.47	0.47	-1.17
5,899.0	0.73	107.78	5,634.8	-833.7	978.0	1,285.1	0.49	0.17	-37.10
5,929.0	0.72	102.12	5,664.8	-833.8	978.4	1,285.4	0.24	-0.03	-18.87
5,959.0	0.51	96.86	5,694.8	-833.8	978.7	1,285.7	0.72	-0.70	-17.53
5,989.0	0.38	119.50	5,724.8	-833.9	978.9	1,285.9	0.72	-0.43	75.47

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
6,019.0	0.44	168.93	5,754.8	-834.1	979.0	1,286.1	1.16	0.20	164.77
6,049.0	0.56	188.00	5,784.8	-834.3	979.0	1,286.3	0.68	0.40	63.57
6,079.0	0.47	150.76	5,814.8	-834.6	979.1	1,286.5	1.13	-0.30	-124.13
6,109.0	0.34	156.60	5,844.8	-834.8	979.2	1,286.7	0.45	-0.43	19.47
6,139.0	0.42	129.36	5,874.8	-834.9	979.3	1,286.9	0.65	0.27	-90.80
6,169.0	0.98	123.25	5,904.8	-835.1	979.6	1,287.2	1.88	1.87	-20.37
6,199.0	0.94	123.44	5,934.8	-835.4	980.0	1,287.7	0.13	-0.13	0.63
6,229.0	0.97	126.86	5,964.8	-835.7	980.4	1,288.2	0.21	0.10	11.40
6,259.0	0.95	125.70	5,994.8	-836.0	980.8	1,288.7	0.09	-0.07	-3.87
6,289.0	0.93	126.88	6,024.8	-836.3	981.2	1,289.2	0.09	-0.07	3.93
6,319.0	0.86	131.29	6,054.8	-836.6	981.6	1,289.7	0.33	-0.23	14.70
6,349.0	0.93	132.04	6,084.8	-836.9	981.9	1,290.1	0.24	0.23	2.50
6,379.0	0.96	131.38	6,114.8	-837.2	982.3	1,290.6	0.11	0.10	-2.20
6,409.0	0.93	133.87	6,144.8	-837.6	982.7	1,291.1	0.17	-0.10	8.30
6,439.0	0.99	141.15	6,174.8	-837.9	983.0	1,291.6	0.45	0.20	24.27
6,469.0	1.44	145.57	6,204.8	-838.4	983.4	1,292.3	1.53	1.50	14.73
6,499.0	1.00	133.51	6,234.8	-838.9	983.8	1,292.9	1.69	-1.47	-40.20
6,529.0	0.95	135.26	6,264.8	-839.3	984.1	1,293.4	0.19	-0.17	5.83
6,559.0	0.91	153.29	6,294.7	-839.7	984.4	1,293.9	0.98	-0.13	60.10
6,589.0	0.90	162.74	6,324.7	-840.1	984.6	1,294.3	0.50	-0.03	31.50
6,619.0	0.96	166.26	6,354.7	-840.6	984.7	1,294.7	0.28	0.20	11.73
6,649.0	0.91	168.59	6,384.7	-841.1	984.8	1,295.1	0.21	-0.17	7.77
6,679.0	0.79	171.56	6,414.7	-841.5	984.9	1,295.4	0.43	-0.40	9.90
6,709.0	0.86	168.12	6,444.7	-841.9	985.0	1,295.7	0.29	0.23	-11.47
6,739.0	0.89	170.34	6,474.7	-842.4	985.1	1,296.1	0.15	0.10	7.40
6,769.0	0.85	168.27	6,504.7	-842.8	985.2	1,296.4	0.17	-0.13	-6.90
6,799.0	0.88	170.15	6,534.7	-843.3	985.2	1,296.8	0.14	0.10	6.27
6,829.0	0.78	177.84	6,564.7	-843.7	985.3	1,297.1	0.50	-0.33	25.63
6,859.0	0.62	183.66	6,594.7	-844.1	985.3	1,297.3	0.58	-0.53	19.40
6,889.0	0.64	181.38	6,624.7	-844.4	985.3	1,297.5	0.11	0.07	-7.60
6,919.0	0.62	183.56	6,654.7	-844.7	985.3	1,297.7	0.10	-0.07	7.27
6,949.0	0.70	182.40	6,684.7	-845.1	985.2	1,297.9	0.27	0.27	-3.87
6,979.0	0.79	174.85	6,714.7	-845.5	985.2	1,298.2	0.44	0.30	-25.17
7,009.0	0.89	165.11	6,744.7	-845.9	985.3	1,298.5	0.58	0.33	-32.47
7,039.0	0.84	147.73	6,774.7	-846.3	985.5	1,298.9	0.89	-0.17	-57.93
7,069.0	0.65	133.80	6,804.7	-846.6	985.7	1,299.3	0.87	-0.63	-46.43
7,099.0	0.54	144.69	6,834.7	-846.8	985.9	1,299.6	0.52	-0.37	36.30
7,129.0	0.51	157.95	6,864.7	-847.1	986.1	1,299.9	0.42	-0.10	44.20
7,159.0	0.60	178.22	6,894.7	-847.4	986.1	1,300.1	0.71	0.30	67.57
7,189.0	0.69	190.43	6,924.7	-847.7	986.1	1,300.3	0.55	0.30	40.70
7,219.0	0.43	190.09	6,954.7	-848.0	986.1	1,300.4	0.87	-0.87	-1.13
7,249.0	0.43	258.10	6,984.7	-848.1	985.9	1,300.4	1.60	0.00	226.70
7,279.0	0.54	227.68	7,014.7	-848.2	985.7	1,300.3	0.92	0.37	-101.40
7,309.0	0.33	258.20	7,044.7	-848.3	985.5	1,300.3	1.02	-0.70	101.73
7,339.0	0.50	250.91	7,074.7	-848.4	985.3	1,300.2	0.59	0.57	-24.30
7,369.0	0.48	236.80	7,104.7	-848.5	985.1	1,300.1	0.41	-0.07	-47.03
7,399.0	0.43	264.45	7,134.7	-848.6	984.9	1,299.9	0.74	-0.17	92.17
7,429.0	0.39	229.76	7,164.7	-848.7	984.7	1,299.8	0.82	-0.13	-115.63
7,459.0	0.35	258.29	7,194.7	-848.8	984.5	1,299.8	0.62	-0.13	95.10
7,489.0	0.45	238.87	7,224.7	-848.8	984.3	1,299.7	0.56	0.33	-64.73
7,519.0	0.31	269.53	7,254.7	-848.9	984.1	1,299.6	0.81	-0.47	102.20
7,549.0	0.40	224.80	7,284.7	-849.0	984.0	1,299.5	0.94	0.30	-149.10
7,579.0	0.28	268.72	7,314.7	-849.1	983.8	1,299.4	0.93	-0.40	146.40
7,609.0	0.26	199.25	7,344.7	-849.1	983.7	1,299.4	1.03	-0.07	-231.57

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
7,639.0	0.25	222.43	7,374.7	-849.2	983.7	1,299.4	0.34	-0.03	77.27
7,669.0	0.27	182.02	7,404.7	-849.4	983.6	1,299.5	0.60	0.07	-134.70
7,699.0	0.45	229.10	7,434.7	-849.5	983.5	1,299.5	1.11	0.60	156.93
7,729.0	0.23	160.72	7,464.7	-849.6	983.5	1,299.5	1.41	-0.73	-227.93
7,759.0	0.44	162.94	7,494.7	-849.8	983.5	1,299.7	0.70	0.70	7.40
7,789.0	0.41	160.10	7,524.7	-850.0	983.6	1,299.9	0.12	-0.10	-9.47
7,819.0	0.53	126.92	7,554.7	-850.2	983.7	1,300.1	0.97	0.40	-110.60
7,849.0	0.76	125.15	7,584.7	-850.4	984.0	1,300.4	0.77	0.77	-5.90
7,879.0	0.83	137.27	7,614.7	-850.7	984.3	1,300.8	0.61	0.23	40.40
7,909.0	0.74	123.80	7,644.7	-850.9	984.6	1,301.3	0.68	-0.30	-44.90
7,939.0	0.99	120.68	7,674.7	-851.2	985.0	1,301.7	0.85	0.83	-10.40
7,969.0	1.09	128.55	7,704.7	-851.5	985.5	1,302.2	0.58	0.33	26.23
7,999.0	1.12	131.62	7,734.7	-851.9	985.9	1,302.8	0.22	0.10	10.23
8,029.0	1.25	131.83	7,764.6	-852.3	986.4	1,303.4	0.43	0.43	0.70
8,059.0	1.04	127.55	7,794.6	-852.7	986.8	1,304.0	0.76	-0.70	-14.27
8,089.0	1.15	122.69	7,824.6	-853.0	987.3	1,304.6	0.48	0.37	-16.20
8,119.0	1.10	143.83	7,854.6	-853.4	987.7	1,305.2	1.39	-0.17	70.47
8,149.0	1.11	151.20	7,884.6	-853.9	988.0	1,305.7	0.47	0.03	24.57
8,179.0	1.06	155.36	7,914.6	-854.4	988.3	1,306.3	0.31	-0.17	13.87
8,209.0	0.94	156.05	7,944.6	-854.8	988.5	1,306.7	0.40	-0.40	2.30
8,239.0	1.04	158.84	7,974.6	-855.3	988.7	1,307.2	0.37	0.33	9.30
8,269.0	0.67	147.88	8,004.6	-855.7	988.9	1,307.6	1.34	-1.23	-36.53
8,299.0	0.56	119.04	8,034.6	-855.9	989.1	1,307.9	1.08	-0.37	-96.13
8,329.0	0.52	101.08	8,064.6	-856.0	989.4	1,308.2	0.58	-0.13	-59.87
8,359.0	0.41	104.53	8,094.6	-856.1	989.6	1,308.4	0.38	-0.37	11.50
8,389.0	0.38	108.82	8,124.6	-856.2	989.8	1,308.6	0.14	-0.10	14.30
8,419.0	0.36	134.67	8,154.6	-856.3	990.0	1,308.8	0.56	-0.07	86.17
8,449.0	0.39	89.52	8,184.6	-856.3	990.1	1,308.9	0.96	0.10	-150.50
8,479.0	0.29	91.60	8,214.6	-856.3	990.3	1,309.1	0.34	-0.33	6.93
8,509.0	0.30	113.15	8,244.6	-856.4	990.5	1,309.2	0.37	0.03	71.83
8,530.0	0.61	125.93	8,265.6	-856.4	990.6	1,309.4	1.54	1.48	60.86

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-6 #97B
Project:	SJB (NM Central)	**TVD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Site:	SEC 27-T30N-R7W	**MD Reference:**	AWS 730 @ 6887.0ft (6872' GL + 15' DF)
Well:	SJ 30-6 #97B	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	edmCOP

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 30-6 #97A WH	0.00	0.00	0.0	-18.7	69.1	2,105,915.57	118,078.41	36° 46' 49.681 N	107° 33' 14.877 W
- survey misses target center by 3968.8ft at 4050.0ft MD (3786.9 TVD, -804.9 N, 959.6 E)									
- Circle (radius 5.0)									
SJ 30-6 #97B ICP	0.00	0.00	3,993.0	-815.5	969.9	2,105,106.53	118,968.37	36° 46' 41.802 N	107° 33' 3.804 W
- survey misses target center by 4.0ft at 4256.8ft MD (3992.8 TVD, -818.9 N, 971.9 E)									
- Circle (radius 100.0)									
SJ 30-6 #97B East HL	0.00	0.00	3,993.0	-815.5	1,019.9	2,105,105.85	119,018.32	36° 46' 41.802 N	107° 33' 3.190 W
- survey misses target center by 48.0ft at 4258.4ft MD (3994.4 TVD, -819.0 N, 972.0 E)									
- Polygon									
Point 1			3,993.0	400.0	0.0	2,105,505.84	119,023.78		
Point 2			3,993.0	-400.0	0.0	2,104,705.86	119,012.87		
SJ 30-6 #97B South HL	0.00	0.00	3,993.0	-865.5	969.9	2,105,056.55	118,967.69	36° 46' 41.308 N	107° 33' 3.804 W
- survey misses target center by 46.6ft at 4259.1ft MD (3995.1 TVD, -819.0 N, 972.0 E)									
- Polygon									
Point 1			3,993.0	0.0	400.0	2,105,051.09	119,367.67		
Point 2			3,993.0	0.0	-400.0	2,105,062.00	118,567.70		
SJ 30-6 #97B PCP	0.00	0.00	8,296.0	-815.5	969.9	2,105,106.53	118,968.37	36° 46' 41.802 N	107° 33' 3.804 W
- survey misses target center by 55.0ft at 8530.0ft MD (8265.6 TVD, -856.4 N, 990.6 E)									
- Point									