

Form C-102
Revised October 12, 2005

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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT

7505 "AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30944		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 97 M
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 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	30N	7W		1491'	SOUTH	1559'	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
H	27	30N	7W		2537	NORTH	752	EAST	RIO ARriba

320.00 ACRES - E/2

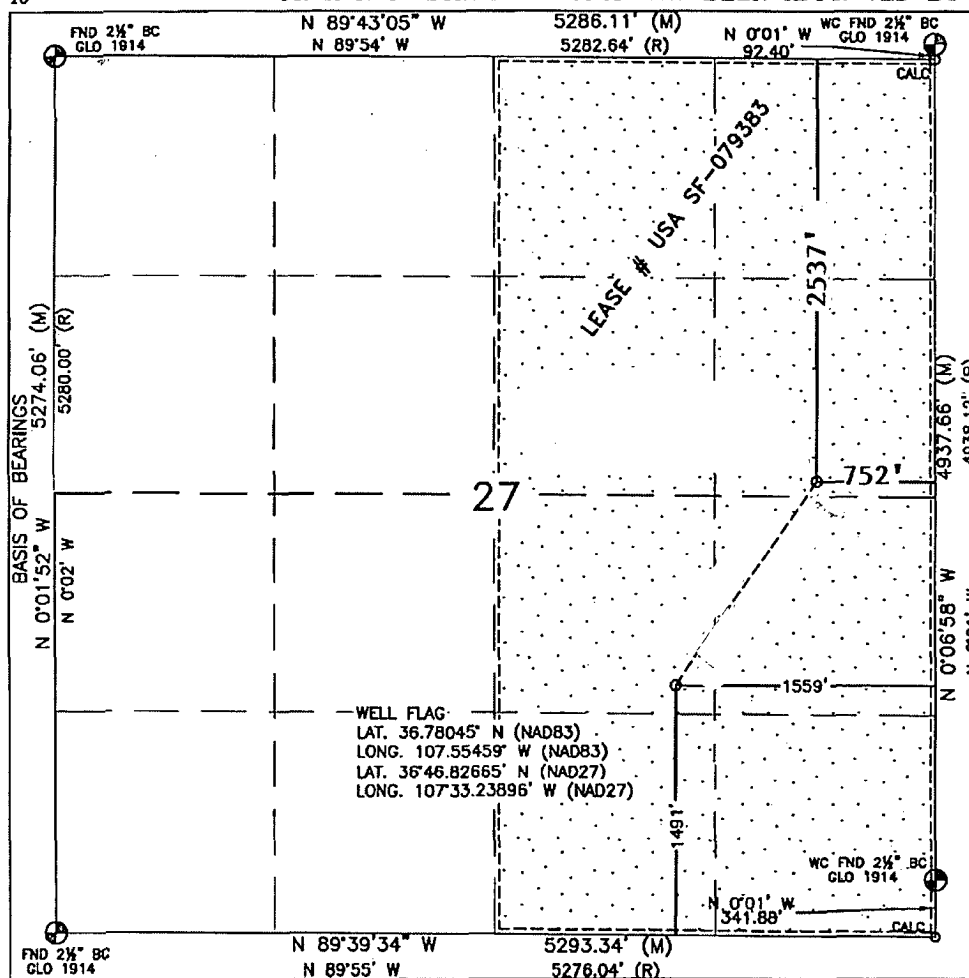
18 Joint or Infill

14 Consolidation Code

18 Order No.

RCVD FEB 23 '11
DIL. CONS. DIV.

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 or a compulsory pooling order heretofore entered by the division.

Cystal Taseya 2/21/11
Signature Date

Crystal Tafoya 2/21/2011
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.

OCTOBER 19, 2009

Date of Survey _____

Signature and Seal of Professional Surveyor.

L. R. Russell



DAVID RUSSELL

Certificate Number 10201

Legal WellName : SAN JUAN 30-6 UNIT #97M	API / UWI: 3003930944
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 027-030N-007W-J
St/Prov: NEW MEXICO	N/S Dist (ft): 1,491.00 - FSL
County: RIO ARRIBA	E/W Dist (ft): 1,559.00 - FEL

Wellbore Name : Original Hole				
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	12/06/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/06/2010	129.00	1.00	.00	Inc-Drop	MO-TE DRILLING INC
12/06/2010	237.00	2.25	.00	Inc-Drop	MO-TE DRILLING INC

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
MWD SURVEY	01/05/2011	.00	.00	.00

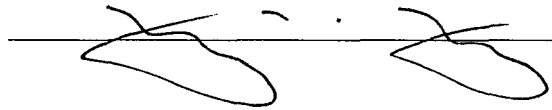
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
01/05/2011	.00	.00	.00	IncAzi-MWD	Scientific Drilling
01/05/2011	266.00	2.03	264.26	IncAzi-MWD	Scientific Drilling
01/05/2011	297.00	1.88	248.98	IncAzi-MWD	Scientific Drilling
01/05/2011	328.00	1.52	227.70	IncAzi-MWD	Scientific Drilling
01/05/2011	358.00	.62	245.02	IncAzi-MWD	Scientific Drilling
01/05/2011	389.00	.10	151.87	IncAzi-MWD	Scientific Drilling
01/05/2011	420.00	.53	42.75	IncAzi-MWD	Scientific Drilling
01/05/2011	451.00	1.20	40.24	IncAzi-MWD	Scientific Drilling
01/05/2011	481.00	1.88	33.16	IncAzi-MWD	Scientific Drilling
01/05/2011	512.00	2.93	33.55	IncAzi-MWD	Scientific Drilling
01/05/2011	543.00	3.89	38.06	IncAzi-MWD	Scientific Drilling
01/05/2011	574.00	4.34	42.83	IncAzi-MWD	Scientific Drilling
01/05/2011	605.00	5.31	40.98	IncAzi-MWD	Scientific Drilling
01/05/2011	636.00	6.31	38.04	IncAzi-MWD	Scientific Drilling
01/05/2011	667.00	7.29	38.19	IncAzi-MWD	Scientific Drilling
01/05/2011	698.00	8.17	37.99	IncAzi-MWD	Scientific Drilling
01/05/2011	729.00	8.77	36.84	IncAzi-MWD	Scientific Drilling
01/05/2011	759.00	9.45	37.47	IncAzi-MWD	Scientific Drilling
01/05/2011	819.00	11.26	39.33	IncAzi-MWD	Scientific Drilling
01/05/2011	880.00	12.91	38.59	IncAzi-MWD	Scientific Drilling
01/05/2011	944.00	14.23	37.62	IncAzi-MWD	Scientific Drilling
01/05/2011	1,007.00	15.57	35.27	IncAzi-MWD	Scientific Drilling
01/05/2011	1,071.00	17.19	35.09	IncAzi-MWD	Scientific Drilling
01/05/2011	1,133.00	18.57	34.28	IncAzi-MWD	Scientific Drilling
01/05/2011	1,197.00	18.91	33.86	IncAzi-MWD	Scientific Drilling
01/05/2011	1,259.00	19.93	34.69	IncAzi-MWD	Scientific Drilling
01/05/2011	1,323.00	21.30	33.76	IncAzi-MWD	Scientific Drilling

RCVD FEB 23 '11
OIL CONS. DIV.
DIST. 3

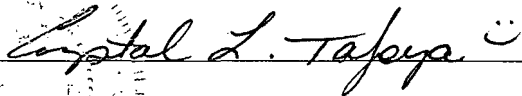
01/05/2011	1,386.00	21.54	32.62	IncAzi-MWD	Scientific Drilling
01/05/2011	1,449.00	22.37	33.34	IncAzi-MWD	Scientific Drilling
01/05/2011	1,512.00	23.44	34.34	IncAzi-MWD	Scientific Drilling
01/05/2011	1,575.00	23.78	34.32	IncAzi-MWD	Scientific Drilling
01/05/2011	1,638.00	24.15	33.66	IncAzi-MWD	Scientific Drilling
01/05/2011	1,701.00	25.37	33.91	IncAzi-MWD	Scientific Drilling
01/05/2011	1,764.00	26.81	34.28	IncAzi-MWD	Scientific Drilling
01/05/2011	1,827.00	27.35	33.57	IncAzi-MWD	Scientific Drilling
01/05/2011	1,890.00	26.81	32.49	IncAzi-MWD	Scientific Drilling
01/05/2011	1,953.00	27.41	32.06	IncAzi-MWD	Scientific Drilling
01/05/2011	2,016.00	28.15	33.30	IncAzi-MWD	Scientific Drilling
01/05/2011	2,079.00	28.12	32.89	IncAzi-MWD	Scientific Drilling
01/06/2011	2,142.00	27.44	32.77	IncAzi-MWD	Scientific Drilling
01/06/2011	2,205.00	27.09	33.76	IncAzi-MWD	Scientific Drilling
01/06/2011	2,268.00	27.83	34.87	IncAzi-MWD	Scientific Drilling
01/06/2011	2,332.00	27.54	35.28	IncAzi-MWD	Scientific Drilling
01/06/2011	2,395.00	27.90	34.53	IncAzi-MWD	Scientific Drilling
01/06/2011	2,458.00	27.56	34.14	IncAzi-MWD	Scientific Drilling
01/06/2011	2,521.00	27.89	33.65	IncAzi-MWD	Scientific Drilling
01/06/2011	2,584.00	27.35	34.61	IncAzi-MWD	Scientific Drilling
01/06/2011	2,648.00	27.19	33.98	IncAzi-MWD	Scientific Drilling
01/06/2011	2,711.00	26.67	33.71	IncAzi-MWD	Scientific Drilling
01/06/2011	2,774.00	27.25	34.55	IncAzi-MWD	Scientific Drilling
01/06/2011	2,837.00	27.45	36.11	IncAzi-MWD	Scientific Drilling
01/06/2011	2,901.00	27.17	35.17	IncAzi-MWD	Scientific Drilling
01/06/2011	2,964.00	27.65	34.69	IncAzi-MWD	Scientific Drilling
01/06/2011	3,027.00	28.04	34.58	IncAzi-MWD	Scientific Drilling
01/06/2011	3,090.00	28.57	34.43	IncAzi-MWD	Scientific Drilling
01/06/2011	3,153.00	28.89	34.48	IncAzi-MWD	Scientific Drilling
01/06/2011	3,217.00	28.39	33.63	IncAzi-MWD	Scientific Drilling
01/06/2011	3,280.00	28.13	32.55	IncAzi-MWD	Scientific Drilling
01/06/2011	3,343.00	28.00	32.26	IncAzi-MWD	Scientific Drilling
01/06/2011	3,406.00	27.10	32.77	IncAzi-MWD	Scientific Drilling
01/06/2011	3,469.00	26.42	32.90	IncAzi-MWD	Scientific Drilling
01/06/2011	3,532.00	25.91	32.41	IncAzi-MWD	Scientific Drilling
01/07/2011	3,595.00	25.09	31.71	IncAzi-MWD	Scientific Drilling
01/07/2011	3,658.00	24.84	31.82	IncAzi-MWD	Scientific Drilling
01/07/2011	3,721.00	23.83	32.50	IncAzi-MWD	Scientific Drilling
01/07/2011	3,784.00	22.83	31.60	IncAzi-MWD	Scientific Drilling
01/07/2011	3,847.00	22.28	30.32	IncAzi-MWD	Scientific Drilling
01/07/2011	3,879.00	21.64	29.84	IncAzi-MWD	Scientific Drilling
01/07/2011	3,910.00	21.40	29.29	IncAzi-MWD	Scientific Drilling
01/07/2011	3,943.00	20.57	29.35	IncAzi-MWD	Scientific Drilling
01/07/2011	3,975.00	19.54	28.53	IncAzi-MWD	Scientific Drilling
01/07/2011	4,006.00	18.90	25.86	IncAzi-MWD	Scientific Drilling
01/07/2011	4,038.00	18.52	25.33	IncAzi-MWD	Scientific Drilling
01/07/2011	4,069.00	17.59	25.01	IncAzi-MWD	Scientific Drilling
01/07/2011	4,100.00	16.81	24.81	IncAzi-MWD	Scientific Drilling

01/07/2011	4,132.00	15.33	26.24	IncAzi-MWD	Scientific Drilling
01/07/2011	4,164.00	14.72	26.54	IncAzi-MWD	Scientific Drilling
01/07/2011	4,196.00	14.50	24.90	IncAzi-MWD	Scientific Drilling
01/07/2011	4,227.00	14.01	25.34	IncAzi-MWD	Scientific Drilling
01/07/2011	4,259.00	13.58	26.27	IncAzi-MWD	Scientific Drilling
01/07/2011	4,290.00	12.89	26.66	IncAzi-MWD	Scientific Drilling
01/07/2011	4,321.00	11.98	27.83	IncAzi-MWD	Scientific Drilling
01/07/2011	4,353.00	11.22	29.28	IncAzi-MWD	Scientific Drilling
01/07/2011	4,384.00	10.48	29.20	IncAzi-MWD	Scientific Drilling
01/07/2011	4,416.00	9.82	28.54	IncAzi-MWD	Scientific Drilling
01/07/2011	4,448.00	9.07	28.32	IncAzi-MWD	Scientific Drilling
01/07/2011	4,479.00	8.35	25.31	IncAzi-MWD	Scientific Drilling
01/07/2011	4,510.00	7.54	25.49	IncAzi-MWD	Scientific Drilling
01/07/2011	4,542.00	6.91	23.58	IncAzi-MWD	Scientific Drilling
01/07/2011	4,573.00	5.87	21.00	IncAzi-MWD	Scientific Drilling
01/08/2011	4,605.00	5.43	14.02	IncAzi-MWD	Scientific Drilling
01/08/2011	4,637.00	4.63	12.39	IncAzi-MWD	Scientific Drilling
01/08/2011	4,668.00	4.17	9.68	IncAzi-MWD	Scientific Drilling
01/08/2011	4,707.00	3.69	9.11	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	01/27/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
01/27/2011	8,530.00	1.00	.00	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 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 #97M
API# 30-039-30944
Original Hole

Survey: Actual



Standard Survey Report

24 January, 2011

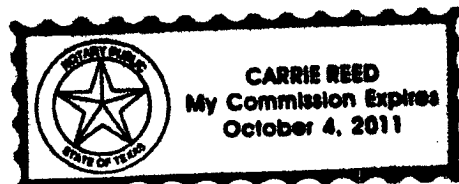
This survey is correct to the best of my knowledge and is supported by actual field data.

Substant

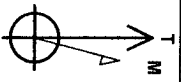
Notarized this date 24th of January, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



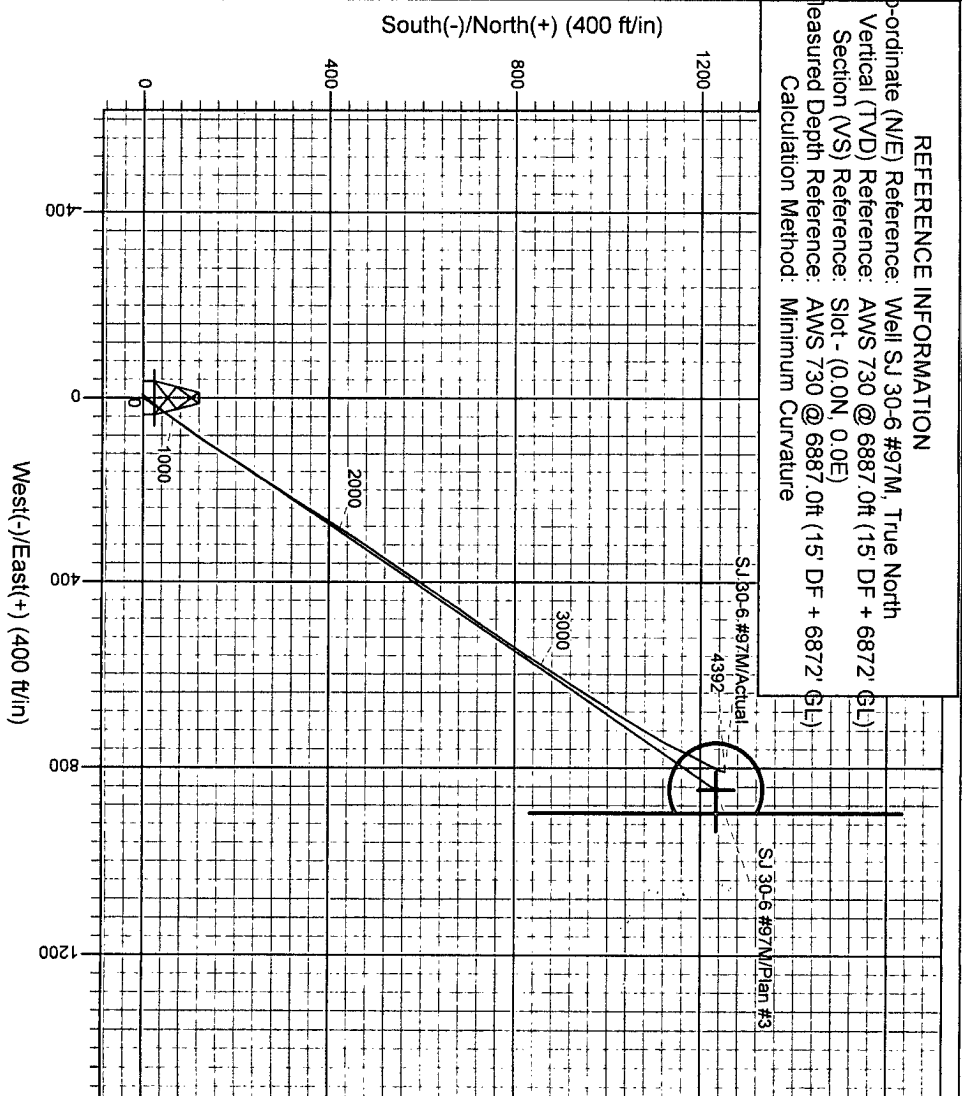
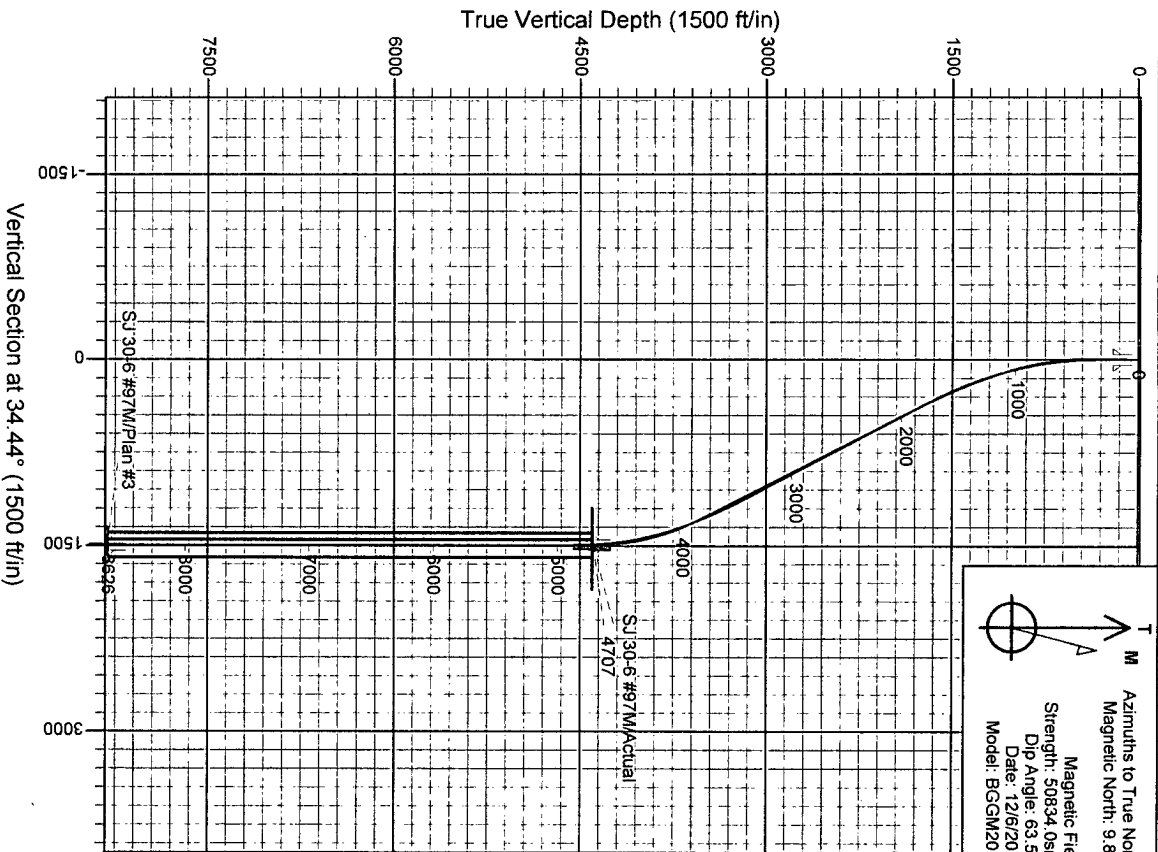
Project: SJ-B (NM Central)
Site: SEC 27-T30N-R7W
Well: SJ 30-6 #97M
Wellbore: Original Hole
Design: Plan #3



Azimuths to True North
Magnetic North: 9.86°
Magnetic Field
Strength: 50834.0nT
Dip Angle: 63.58°
Date: 12/6/2010
Model: BGGM2010

+N/S	+E/W	Northing	Easting	Latitude	Longitude
0.0	0.0	2105906.70	118122.15	36° 46' 49.599 N	107° 33' 14.338 W

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



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 30-6 #97M, True North
Vertical (TVD) Reference: AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Calculation Method: Minimum Curvature

COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJ-B (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 Uncertainty: 7.5
Convergence: -0.78
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #97M
Project:	SJB (NM Central)	TVD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Site:	SEC 27-T30N-R7W	MD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Well:	SJ 30-6 #97M	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
From:	Lat/Long	Easting:	118,009.57 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 46' 49.866 N
		Longitude:	107° 33' 15.726 W
		Grid Convergence:	-0.78 °

Well	SJ 30-6 #97M, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,105,906.70 ft
	+E/-W	0.0 ft	Easting: 118,122.15 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 49.599 N
		Longitude:	107° 33' 14.338 W
		Ground Level:	6,872.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2010	12/6/2010	9.86
			Dip Angle (°)
			63.58
			Field Strength (nT)
			50,834

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction (°)
			30.79

Survey Program	Date 1/24/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
266.0	4,707.0	Actual (Original Hole)	MWD SDI
			Description
			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
266.0	2.03	264.26	265.9	-0.5	-4.7	-2.8	0.76	0.76	0.00
297.0	1.88	248.98	296.9	-0.7	-5.7	-3.5	1.74	-0.48	-49.29
328.0	1.52	227.70	327.9	-1.2	-6.5	-4.3	2.32	-1.16	-68.65
358.0	0.62	245.02	357.9	-1.5	-6.9	-4.8	3.15	-3.00	57.73
389.0	0.10	151.87	388.9	-1.6	-7.1	-5.0	2.04	-1.68	-300.48
420.0	0.53	42.75	419.9	-1.5	-7.0	-4.9	1.84	1.39	-352.00
451.0	1.20	40.24	450.9	-1.2	-6.7	-4.4	2.16	2.16	-8.10
481.0	1.88	33.16	480.9	-0.5	-6.2	-3.6	2.35	2.27	-23.60
512.0	2.93	33.55	511.9	0.6	-5.5	-2.3	3.39	3.39	1.26
543.0	3.89	38.06	542.8	2.1	-4.4	-0.5	3.21	3.10	14.55
574.0	4.34	42.83	573.7	3.8	-2.9	1.7	1.82	1.45	15.39
605.0	5.31	40.98	604.6	5.7	-1.2	4.3	3.17	3.13	-5.97

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #97M
Project:	SJB (NM Central)	TVD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Site:	SEC 27-T30N-R7W	MD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Well:	SJ 30-6 #97M	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)
636.0	6.31	38.04	635.5	8.1	0.8	7.4	3.36	3.23	-9.48
667.0	7.29	38.19	666.2	11.0	3.1	11.0	3.16	3.16	0.48
698.0	8.17	37.99	697.0	14.3	5.6	15.2	2.84	2.84	-0.65
729.0	8.77	36.84	727.6	17.9	8.4	19.7	2.01	1.94	-3.71
759.0	9.45	37.47	757.2	21.7	11.3	24.4	2.29	2.27	2.10
819.0	11.26	39.33	816.3	30.1	18.0	35.1	3.07	3.02	3.10
880.0	12.91	38.59	875.9	40.1	26.0	47.7	2.72	2.70	-1.21
944.0	14.23	37.62	938.1	51.9	35.3	62.6	2.09	2.06	-1.52
1,007.0	15.57	35.27	999.0	64.9	44.9	78.8	2.33	2.13	-3.73
1,071.0	17.19	35.09	1,060.4	79.7	55.3	96.7	2.53	2.53	-0.28
1,133.0	18.57	34.28	1,119.4	95.3	66.1	115.7	2.26	2.23	-1.31
1,197.0	18.91	33.86	1,180.0	112.4	77.6	136.3	0.57	0.53	-0.66
1,259.0	19.93	34.69	1,238.5	129.4	89.2	156.8	1.70	1.65	1.34
1,323.0	21.30	33.76	1,298.4	148.0	101.9	179.3	2.20	2.14	-1.45
1,386.0	21.54	32.62	1,357.0	167.3	114.5	202.3	0.76	0.38	-1.81
1,449.0	22.37	33.34	1,415.5	187.0	127.3	225.9	1.38	1.32	1.14
1,512.0	23.44	34.34	1,473.5	207.4	141.0	250.3	1.81	1.70	1.59
1,575.0	23.78	34.32	1,531.2	228.2	155.2	275.5	0.54	0.54	-0.03
1,638.0	24.15	33.66	1,588.8	249.5	169.5	301.1	0.73	0.59	-1.05
1,701.0	25.37	33.91	1,646.0	271.4	184.2	327.4	1.94	1.94	0.40
1,764.0	26.81	34.28	1,702.6	294.3	199.7	355.1	2.30	2.29	0.59
1,827.0	27.35	33.57	1,758.7	318.1	215.7	383.7	1.00	0.86	-1.13
1,890.0	26.81	32.49	1,814.8	342.2	231.4	412.4	1.16	-0.86	-1.71
1,953.0	27.41	32.06	1,870.8	366.4	246.7	441.1	1.00	0.95	-0.68
2,016.0	28.15	33.30	1,926.6	391.2	262.5	470.4	1.49	1.17	1.97
2,079.0	28.12	32.89	1,982.1	416.0	278.8	500.1	0.31	-0.05	-0.65
2,142.0	27.44	32.77	2,037.9	440.7	294.7	529.4	1.08	-1.08	-0.19
2,205.0	27.09	33.76	2,093.9	464.9	310.5	558.3	0.91	-0.56	1.57
2,268.0	27.83	34.87	2,149.8	488.8	326.9	587.3	1.43	1.17	1.76
2,332.0	27.54	35.28	2,206.5	513.2	344.0	616.9	0.54	-0.45	0.64
2,395.0	27.90	34.53	2,262.2	537.2	360.7	646.2	0.80	0.57	-1.19
2,458.0	27.56	34.14	2,318.0	561.4	377.3	675.4	0.61	-0.54	-0.62
2,521.0	27.89	33.65	2,373.8	585.7	393.6	704.7	0.64	0.52	-0.78
2,584.0	27.35	34.61	2,429.6	609.9	410.0	733.8	1.11	-0.86	1.52
2,648.0	27.19	33.98	2,486.5	634.1	426.5	763.1	0.52	-0.25	-0.98
2,711.0	26.67	33.71	2,542.6	657.8	442.4	791.6	0.85	-0.83	-0.43
2,774.0	27.25	34.55	2,598.8	681.5	458.5	820.1	1.10	0.92	1.33
2,837.0	27.45	36.11	2,654.7	705.1	475.2	849.0	1.18	0.32	2.48
2,901.0	27.17	35.17	2,711.6	729.0	492.3	878.2	0.80	-0.44	-1.47
2,964.0	27.65	34.69	2,767.5	752.7	508.9	907.1	0.84	0.76	-0.76
3,027.0	28.04	34.58	2,823.2	776.9	525.6	936.5	0.62	0.62	-0.17
3,090.0	28.57	34.43	2,878.7	801.6	542.6	966.3	0.85	0.84	-0.24
3,153.0	28.89	34.48	2,934.0	826.5	559.7	996.5	0.51	0.51	0.08
3,217.0	28.39	33.63	2,990.1	851.9	576.9	1,027.2	1.01	-0.78	-1.33
3,280.0	28.13	32.55	3,045.6	876.9	593.1	1,057.0	0.91	-0.41	-1.71
3,343.0	28.00	32.26	3,101.2	902.0	609.0	1,086.6	0.30	-0.21	-0.46
3,406.0	27.10	32.77	3,157.1	926.5	624.7	1,115.7	1.48	-1.43	0.81
3,469.0	26.42	32.90	3,213.3	950.4	640.1	1,144.1	1.08	-1.08	0.21
3,532.0	25.91	32.41	3,269.9	973.8	655.1	1,171.8	0.88	-0.81	-0.78
3,595.0	25.09	31.71	3,326.7	996.7	669.5	1,198.9	1.39	-1.30	-1.11
3,658.0	24.84	31.82	3,383.8	1,019.3	683.5	1,225.5	0.40	-0.40	0.17
3,721.0	23.83	32.50	3,441.2	1,041.3	697.3	1,251.5	1.66	-1.60	1.08
3,784.0	22.83	31.60	3,499.1	1,062.5	710.5	1,276.4	1.69	-1.59	-1.43
3,847.0	22.28	30.32	3,557.3	1,083.2	723.0	1,300.6	1.17	-0.87	-2.03

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #97M
Project:	SJB (NM Central)	TVD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Site:	SEC 27-T30N-R7W	MD Reference:	AWS 730 @ 6887.0ft (15' DF + 6872' GL)
Well:	SJ 30-6 #97M	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)
3,879.0	21.64	29.84	3,586.9	1,093.5	729.0	1,312.5	2.08	-2.00	-1.50
3,910.0	21.40	29.29	3,615.8	1,103.4	734.6	1,323.9	1.01	-0.77	-1.77
3,943.0	20.57	29.35	3,646.6	1,113.7	740.3	1,335.7	2.52	-2.52	0.18
3,975.0	19.54	28.53	3,676.7	1,123.3	745.7	1,346.7	3.34	-3.22	-2.56
4,006.0	18.90	25.86	3,705.9	1,132.4	750.3	1,356.9	3.51	-2.06	-8.61
4,038.0	18.52	25.33	3,736.2	1,141.7	754.8	1,367.1	1.30	-1.19	-1.66
4,069.0	17.59	25.01	3,765.7	1,150.4	758.8	1,376.7	3.02	-3.00	-1.03
4,100.0	16.81	24.81	3,795.3	1,158.7	762.7	1,385.8	2.52	-2.52	-0.65
4,132.0	15.33	26.24	3,826.1	1,166.7	766.5	1,394.6	4.79	-4.63	4.47
4,164.0	14.72	26.54	3,857.0	1,174.1	770.2	1,402.9	1.92	-1.91	0.94
4,196.0	14.50	24.90	3,887.9	1,181.4	773.7	1,410.9	1.46	-0.69	-5.13
4,227.0	14.01	25.34	3,918.0	1,188.3	777.0	1,418.5	1.62	-1.58	1.42
4,259.0	13.58	26.27	3,949.1	1,195.2	780.3	1,426.1	1.51	-1.34	2.91
4,290.0	12.89	26.66	3,979.2	1,201.5	783.4	1,433.2	2.24	-2.23	1.26
4,321.0	11.98	27.83	4,009.5	1,207.4	786.5	1,439.9	3.05	-2.94	3.77
4,353.0	11.22	29.28	4,040.9	1,213.1	789.6	1,446.3	2.54	-2.38	4.53
4,384.0	10.48	29.20	4,071.3	1,218.2	792.4	1,452.1	2.39	-2.39	-0.26
4,416.0	9.82	28.54	4,102.8	1,223.1	795.1	1,457.8	2.09	-2.06	-2.06
4,448.0	9.07	28.32	4,134.4	1,227.7	797.6	1,463.0	2.35	-2.34	-0.69
4,479.0	8.35	25.31	4,165.0	1,231.9	799.8	1,467.7	2.75	-2.32	-9.71
4,510.0	7.54	25.49	4,195.7	1,235.8	801.6	1,471.9	2.61	-2.61	0.58
4,542.0	6.91	23.58	4,227.5	1,239.5	803.3	1,475.9	2.11	-1.97	-5.97
4,573.0	5.87	21.00	4,258.3	1,242.7	804.6	1,479.4	3.48	-3.35	-8.32
4,605.0	5.43	14.02	4,290.1	1,245.6	805.5	1,482.4	2.55	-1.38	-21.81
4,637.0	4.63	12.39	4,322.0	1,248.4	806.2	1,485.1	2.54	-2.50	-5.09
4,668.0	4.17	9.68	4,352.9	1,250.7	806.6	1,487.3	1.63	-1.48	-8.74
4,707.0	3.69	9.11	4,391.8	1,253.4	807.1	1,489.8	1.23	-1.23	-1.46