

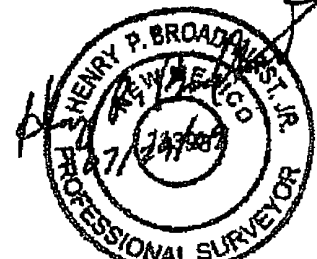
1220 S. St. Francis Dr., Santa Fe, NM 87505

"AS DRILLED PLAT"

Fee Lease - 3 Copies:

☐ AMENDED REPORT

RCVD JUL 3 12
OIL CONS. DIV.
DIST. 3

5251.9' (R) 712'	1030' 1512'	BOTTOM HOLE WELL FLAG NAD 83 LAT: 38.532956° N LONG: 107.206647° W NAD 27 LAT: 38°31.876743' N LONG: 107°12.363015' W	5207.7' (R) GLO 1917	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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order. <i>Denise Journey, Reg. Tech</i> Signature _____ Printed Name Denise Journey Denise.Journey@conocophillips title and E-mail Address <u>6/28/12</u> Date 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. Date of Survey: 7/8/09 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
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Legal WellName : SAN JUAN 27-4 UNIT #150M	API / UWI: 3003930926
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 036-027N-004W-F
St/Prov: NEW MEXICO	N/S Dist (ft): 1,512.00 - FNL
County: RIO ARRIBA	E/W Dist (ft): 1,503.00 - FWL

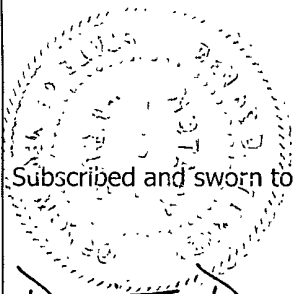
RCVD JUL 3 '12
OIL CONS. DIV.
DIST. 3

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SUREY	07/27/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/27/2011	130.00	1.25	.00	Inc-WL	MOTE
07/27/2011	236.00	.75	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEY	08/16/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/16/2011	300.00	.51	351.70	Inc-MWD	Scientific Drilling
08/16/2011	362.00	.34	3.07	Inc-MWD	Scientific Drilling
08/16/2011	424.00	.42	345.92	Inc-MWD	Scientific Drilling
08/16/2011	485.00	.39	340.82	Inc-MWD	Scientific Drilling
08/16/2011	547.00	.34	331.46	Inc-MWD	Scientific Drilling
08/16/2011	608.00	.43	339.59	Inc-MWD	Scientific Drilling
08/16/2011	670.00	.47	320.48	Inc-MWD	Scientific Drilling
08/16/2011	731.00	.36	323.03	Inc-MWD	Scientific Drilling
08/16/2011	793.00	.38	327.07	Inc-MWD	Scientific Drilling
08/16/2011	855.00	.75	320.38	Inc-MWD	Scientific Drilling
08/16/2011	916.00	1.33	325.93	Inc-MWD	Scientific Drilling
08/16/2011	1,013.00	3.53	312.21	Inc-MWD	Scientific Drilling
08/16/2011	1,076.00	5.17	309.41	Inc-MWD	Scientific Drilling
08/16/2011	1,140.00	6.81	312.29	Inc-MWD	Scientific Drilling
08/16/2011	1,203.00	7.93	310.49	Inc-MWD	Scientific Drilling
08/16/2011	1,267.00	9.40	310.15	Inc-MWD	Scientific Drilling
08/17/2011	1,331.00	10.39	308.07	Inc-MWD	Scientific Drilling
08/17/2011	1,394.00	11.23	303.64	Inc-MWD	Scientific Drilling
08/17/2011	1,458.00	12.26	302.02	Inc-MWD	Scientific Drilling
08/17/2011	1,521.00	13.19	301.77	Inc-MWD	Scientific Drilling
08/17/2011	1,584.00	14.70	304.79	Inc-MWD	Scientific Drilling
08/17/2011	1,648.00	16.40	306.40	Inc-MWD	Scientific Drilling
08/17/2011	1,711.00	17.38	304.90	Inc-MWD	Scientific Drilling
08/17/2011	1,775.00	18.55	303.19	Inc-MWD	Scientific Drilling
08/17/2011	1,838.00	19.90	301.52	Inc-MWD	Scientific Drilling
08/17/2011	1,902.00	21.08	300.46	Inc-MWD	Scientific Drilling
08/17/2011	1,965.00	21.92	299.75	Inc-MWD	Scientific Drilling

08/17/2011	2,029.00	21.94	299.59	Inc-MWD	Scientific Drilling
08/17/2011	2,092.00	22.38	298.87	Inc-MWD	Scientific Drilling
08/17/2011	2,156.00	21.88	298.07	Inc-MWD	Scientific Drilling
08/17/2011	2,219.00	22.39	297.63	Inc-MWD	Scientific Drilling
08/17/2011	2,283.00	22.28	297.18	Inc-MWD	Scientific Drilling
08/17/2011	2,346.00	21.63	297.50	Inc-MWD	Scientific Drilling
08/17/2011	2,410.00	20.62	296.98	Inc-MWD	Scientific Drilling
08/17/2011	2,473.00	19.53	297.33	Inc-MWD	Scientific Drilling
08/17/2011	2,537.00	19.75	297.43	Inc-MWD	Scientific Drilling
08/17/2011	2,601.00	19.67	297.40	Inc-MWD	Scientific Drilling
08/17/2011	2,664.00	18.36	298.32	Inc-MWD	Scientific Drilling
08/17/2011	2,728.00	18.25	298.30	Inc-MWD	Scientific Drilling
08/17/2011	2,791.00	17.70	297.35	Inc-MWD	Scientific Drilling
08/17/2011	2,855.00	17.49	297.89	Inc-MWD	Scientific Drilling
08/17/2011	2,918.00	17.46	299.64	Inc-MWD	Scientific Drilling
08/17/2011	2,981.00	17.42	298.59	Inc-MWD	Scientific Drilling
08/17/2011	3,045.00	17.89	298.55	Inc-MWD	Scientific Drilling
08/17/2011	3,108.00	17.91	298.78	Inc-MWD	Scientific Drilling
08/17/2011	3,172.00	18.65	299.62	Inc-MWD	Scientific Drilling
08/17/2011	3,235.00	19.42	301.51	Inc-MWD	Scientific Drilling
08/17/2011	3,299.00	19.79	301.09	Inc-MWD	Scientific Drilling
08/17/2011	3,362.00	20.12	300.84	Inc-MWD	Scientific Drilling
08/17/2011	3,426.00	20.17	300.59	Inc-MWD	Scientific Drilling
08/17/2011	3,489.00	20.05	300.83	Inc-MWD	Scientific Drilling
08/17/2011	3,553.00	20.30	300.51	Inc-MWD	Scientific Drilling
08/17/2011	3,616.00	20.37	300.84	Inc-MWD	Scientific Drilling
08/17/2011	3,680.00	19.40	300.46	Inc-MWD	Scientific Drilling
08/17/2011	3,743.00	17.77	301.13	Inc-MWD	Scientific Drilling
08/17/2011	3,807.00	16.12	303.79	Inc-MWD	Scientific Drilling
08/17/2011	3,870.00	14.67	306.51	Inc-MWD	Scientific Drilling
08/17/2011	3,934.00	12.47	306.63	Inc-MWD	Scientific Drilling
08/17/2011	3,997.00	11.25	307.94	Inc-MWD	Scientific Drilling
08/18/2011	4,061.00	9.17	307.50	Inc-MWD	Scientific Drilling
08/18/2011	4,124.00	7.85	305.24	Inc-MWD	Scientific Drilling
08/18/2011	4,188.00	5.81	304.20	Inc-MWD	Scientific Drilling
08/18/2011	4,220.00	5.00	303.34	Inc-MWD	Scientific Drilling
08/18/2011	4,283.00	3.22	316.95	Inc-MWD	Scientific Drilling
08/20/2011	4,347.00	1.95	310.28	Inc-MWD	Scientific Drilling
08/20/2011	4,394.00	1.77	312.72	Inc-MWD	Scientific Drilling
08/20/2011	4,447.00	1.57	315.47	Projection	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	09/08/2011	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
09/08/2011	8,577.00	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.

86- Tm



Subscribed and sworn to me this 27th Day of June, 2012

Denise D. Journey

Notary Public in and for San Juan County, New Mexico

My Commission expires May 26th, 2015



RCVD JUL 3 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 36-T27N-R4W
SJ 27-4 #150M

Original Hole

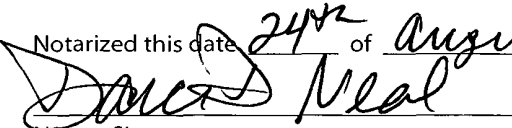
Design: Original Hole

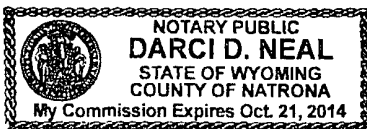
Standard Survey Report

24 August, 2011

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

Notarized this date 24th of August, 2011.

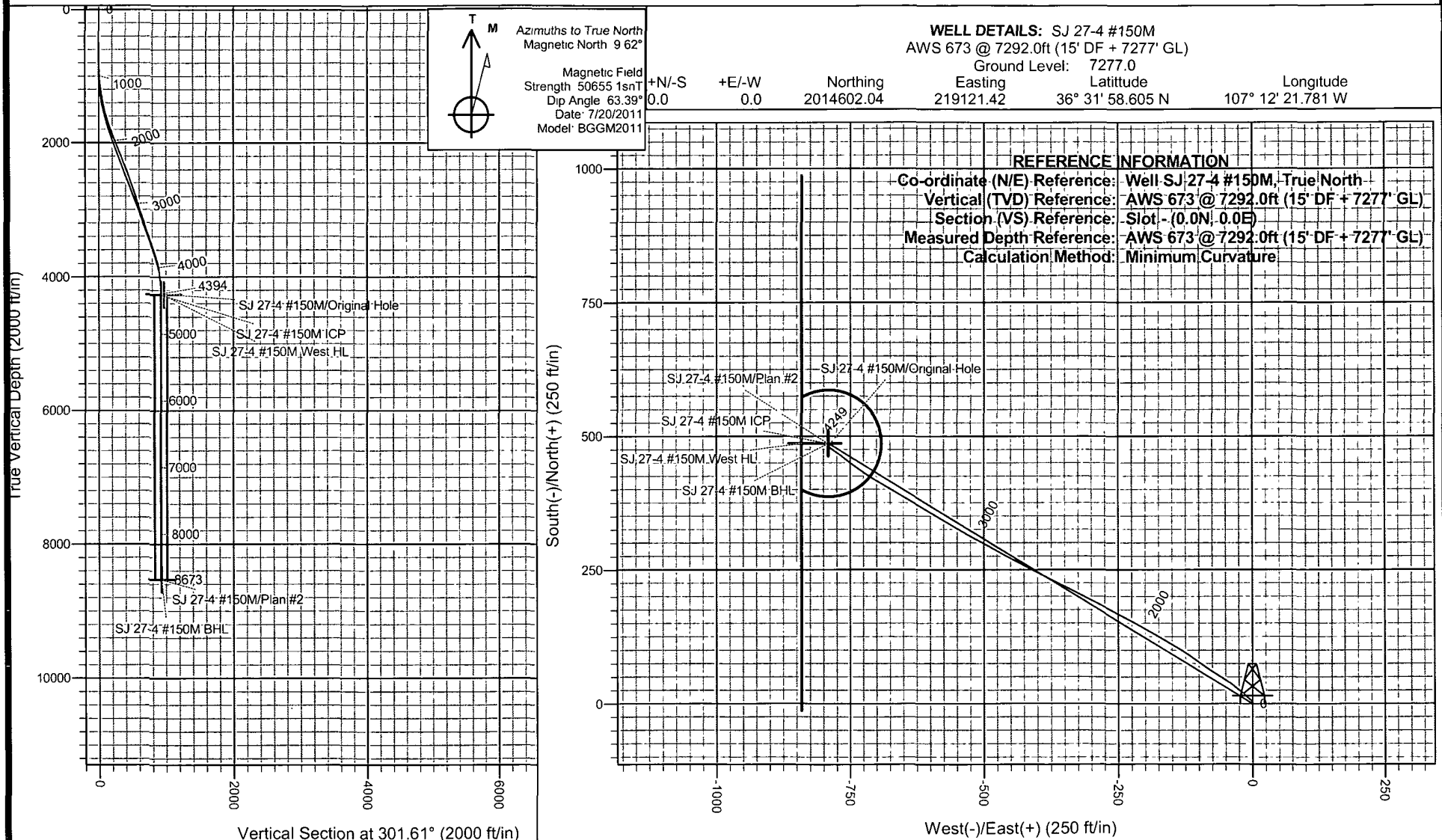

Notary Signature
County of Natrona
State of Wyoming




ConocoPhillips



Project: SJB (NM Central)
 Site: SEC 36-T27N-R4W
 Well: SJ 27-4 #150M
 Wellbore: Original Hole
 Design: Original Hole



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 27-4 #150M
Project:	SJB (NM Central)	TVD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Site:	SEC 36-T27N-R4W	MD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Well:	SJ 27-4 #150M	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 36-T27N-R4W		
Site Position:		Northing:	2,014,602.04 ft
From:	Lat/Long	Easting:	219,121.42 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 31' 58.605 N
		Longitude:	107° 12' 21.781 W
		Grid Convergence:	-0.57 °

Well	SJ 27-4 #150M, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,014,602.04 ft
	+E/-W	0.0 ft	Easting: 219,121.42 ft
			Latitude: 36° 31' 58.605 N
			Longitude: 107° 12' 21.781 W
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	7,277.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	7/20/2011	9.62	63.39	50,655

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	301.61	

Survey Program	Date 8/24/2011				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
300.0	4,394.0	Survey #1 (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	
300.0	0.51	351.70	300.0	1.3	-0.2	0.9	0.17	0.17	0.00	
First SDI MWD Survey										
362.0	0.34	3.07	362.0	1.8	-0.2	1.1	0.30	-0.27	18.34	
424.0	0.42	345.92	424.0	2.2	-0.3	1.4	0.22	0.13	-27.66	
485.0	0.39	340.82	485.0	2.6	-0.4	1.7	0.08	-0.05	-8.36	
547.0	0.34	331.46	547.0	3.0	-0.5	2.0	0.13	-0.08	-15.10	
608.0	0.43	339.59	608.0	3.3	-0.7	2.4	0.17	0.15	13.33	
670.0	0.47	320.48	670.0	3.7	-1.0	2.8	0.25	0.06	-30.82	
731.0	0.36	323.03	731.0	4.1	-1.2	3.2	0.18	-0.18	4.18	
793.0	0.38	327.07	793.0	4.4	-1.5	3.6	0.05	0.03	6.52	
855.0	0.75	320.38	855.0	4.9	-1.8	4.1	0.61	0.60	-10.79	
916.0	1.33	325.93	916.0	5.8	-2.5	5.2	0.96	0.95	9.10	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 27-4 #150M
Project:	SJB (NM Central)	TVD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Site:	SEC 36-T27N-R4W	MD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Well:	SJ 27-4 #150M	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)
1,013.0	3.53	312.21	1,012.9	8.7	-5.3	9.1	2.33	2.27	-14.14
1,076.0	5.17	309.41	1,075.7	11.8	-9.0	13.8	2.62	2.60	-4.44
1,140.0	6.81	312.29	1,139.3	16.2	-14.0	20.4	2.60	2.56	4.50
1,203.0	7.93	310.49	1,201.8	21.6	-20.1	28.4	1.81	1.78	-2.86
1,267.0	9.40	310.15	1,265.1	27.8	-27.4	37.9	2.30	2.30	-0.53
1,331.0	10.39	308.07	1,328.1	34.7	-35.9	48.8	1.64	1.55	-3.25
1,394.0	11.23	303.64	1,390.0	41.6	-45.5	60.6	1.87	1.33	-7.03
1,458.0	12.26	302.02	1,452.7	48.7	-56.5	73.6	1.69	1.61	-2.53
1,521.0	13.19	301.77	1,514.1	56.0	-68.3	87.5	1.48	1.48	-0.40
1,584.0	14.70	304.79	1,575.3	64.4	-80.9	102.7	2.66	2.40	4.79
1,648.0	16.40	306.40	1,636.9	74.4	-94.9	119.8	2.74	2.66	2.52
1,711.0	17.38	304.90	1,697.2	85.0	-109.8	138.0	1.70	1.56	-2.38
1,775.0	18.55	303.19	1,758.1	96.1	-126.1	157.8	2.01	1.83	-2.67
1,838.0	19.90	301.52	1,817.6	107.2	-143.6	178.5	2.31	2.14	-2.65
1,902.0	21.08	300.46	1,877.5	118.7	-162.9	200.9	1.93	1.84	-1.66
1,965.0	21.92	299.75	1,936.1	130.3	-182.8	224.0	1.40	1.33	-1.13
2,029.0	21.94	299.59	1,995.5	142.1	-203.6	247.9	0.10	0.03	-0.25
2,092.0	22.38	298.87	2,053.9	153.7	-224.3	271.6	0.82	0.70	-1.14
2,156.0	21.88	298.07	2,113.1	165.2	-245.5	295.7	0.91	-0.78	-1.25
2,219.0	22.39	297.63	2,171.5	176.3	-266.5	319.4	0.85	0.81	-0.70
2,283.0	22.28	297.18	2,230.7	187.5	-288.1	343.6	0.32	-0.17	-0.70
2,346.0	21.63	297.50	2,289.1	198.3	-309.0	367.1	1.05	-1.03	0.51
2,410.0	20.62	296.98	2,348.8	208.8	-329.5	390.1	1.61	-1.58	-0.81
2,473.0	19.53	297.33	2,408.0	218.7	-348.8	411.7	1.74	-1.73	0.56
2,537.0	19.75	297.43	2,468.3	228.6	-367.9	433.1	0.35	0.34	0.16
2,601.0	19.67	297.40	2,528.5	238.5	-387.0	454.6	0.13	-0.13	-0.05
2,664.0	18.36	298.32	2,588.1	248.1	-405.2	475.1	2.13	-2.08	1.46
2,728.0	18.25	298.30	2,648.8	257.7	-422.9	495.2	0.17	-0.17	-0.03
2,791.0	17.70	297.35	2,708.8	266.7	-440.1	514.6	0.99	-0.87	-1.51
2,855.0	17.49	297.89	2,769.8	275.7	-457.2	533.9	0.42	-0.33	0.84
2,918.0	17.46	299.64	2,829.9	284.8	-473.8	552.8	0.84	-0.05	2.78
2,981.0	17.42	298.59	2,890.0	294.0	-490.3	571.6	0.50	-0.06	-1.67
3,045.0	17.89	298.55	2,951.0	303.3	-507.3	591.0	0.73	0.73	-0.06
3,108.0	17.91	298.78	3,010.9	312.6	-524.3	610.4	0.12	0.03	0.37
3,172.0	18.65	299.62	3,071.7	322.4	-541.9	630.4	1.23	1.16	1.31
3,235.0	19.42	301.51	3,131.2	332.8	-559.5	651.0	1.57	1.22	3.00
3,299.0	19.79	301.09	3,191.5	344.0	-577.9	672.4	0.62	0.58	-0.66
3,362.0	20.12	300.84	3,250.7	355.0	-596.3	693.9	0.54	0.52	-0.40
3,426.0	20.17	300.59	3,310.8	366.3	-615.3	716.0	0.16	0.08	-0.39
3,489.0	20.05	300.83	3,370.0	377.4	-633.9	737.6	0.23	-0.19	0.38
3,553.0	20.30	300.51	3,430.1	388.6	-652.9	759.7	0.43	0.39	-0.50
3,616.0	20.37	300.84	3,489.1	399.8	-671.7	781.6	0.21	0.11	0.52
3,680.0	19.40	300.46	3,549.3	410.9	-690.4	803.4	1.53	-1.52	-0.59
3,743.0	17.77	301.13	3,609.0	421.2	-707.7	823.4	2.61	-2.59	1.06
3,807.0	16.12	303.79	3,670.3	431.2	-723.4	842.1	2.85	-2.58	4.16
3,870.0	14.67	306.51	3,731.0	440.8	-737.1	858.8	2.57	-2.30	4.32
3,934.0	12.47	306.63	3,793.2	449.7	-749.2	873.7	3.44	-3.44	0.19
3,997.0	11.25	307.94	3,854.9	457.5	-759.5	886.6	1.98	-1.94	2.08
4,061.0	9.17	307.50	3,917.8	464.5	-768.5	897.9	3.25	-3.25	-0.69
4,124.0	7.85	305.24	3,980.1	470.0	-775.9	907.2	2.16	-2.10	-3.59
4,188.0	5.81	304.20	4,043.7	474.4	-782.2	914.8	3.19	-3.19	-1.63
4,220.0	5.00	303.34	4,075.5	476.0	-784.7	917.8	2.54	-2.53	-2.69
4,283.0	3.22	316.95	4,138.4	478.8	-788.2	922.2	3.20	-2.83	21.60
4,347.0	1.95	310.28	4,202.3	480.9	-790.3	925.1	2.04	-1.98	-10.42



Scientific Drilling
Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 27-4 #150M
Project:	SJB (NM Central)	TVD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Site:	SEC 36-T27N-R4W	MD Reference:	AWS 673 @ 7292.0ft (15' DF + 7277' GL)
Well:	SJ 27-4 #150M	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)
4,394.0	1.77	312.72	4,249.3	481.9	-791.4	926.6	0.42	-0.38	5.19
Last SDI MWD Survey									

Checked By: _____ Approved By: _____ Date: _____