

DISTRICT I
1625 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

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

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

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

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

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35107	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7473	⁵ Property Name SAN JUAN 32-9 UNIT	⁶ Well Number 15 B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6652'

¹⁰ Surface Location

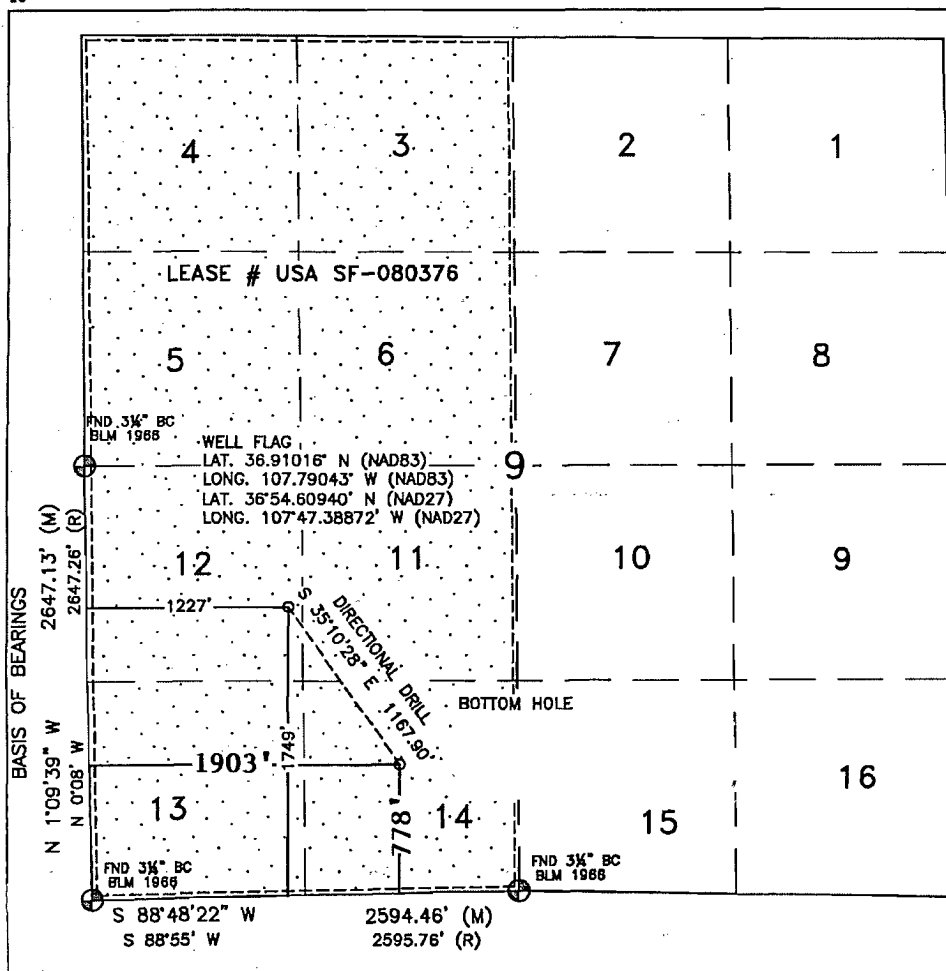
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	31N	9W	12	1749'	SOUTH	1227'	WEST	SAN JUAN

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
N	9	31N	9W	14	778	SOUTH	1903	WEST	SAN JUAN
¹² Dedicated Acres 314.92 ACRES - W/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD OCT 19 '10 OIL 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 DIST. 3

16



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.

Crystal Tafoya 10/18/10
Signature Date

Crystal Tafoya 10/18/2010
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 13, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

Legal WellName : SAN JUAN 32-9 UNIT #15B	API / UWI: 3004535107
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 009-031N-009W-L
St/Prov: NEW MEXICO	N/S Dist (ft): 1,749.00 - FSL
County: SAN JUAN	E/W Dist (ft): 1,227.00 - FWL

PRODUCED BY
 01/04/10
 01/04/10

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	07/26/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/26/2010	130.00	1.00	.00	Inc-WL	MOTE
07/27/2010	237.00	1.25	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEYS	08/22/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/22/2010	274.00	1.01	20.68	IncAzi-MWD	Scientific Drilling
08/22/2010	335.00	1.11	71.39	IncAzi-MWD	Scientific Drilling
08/22/2010	397.00	1.97	113.45	IncAzi-MWD	Scientific Drilling
08/22/2010	458.00	3.39	132.82	IncAzi-MWD	Scientific Drilling
08/22/2010	520.00	4.84	134.61	IncAzi-MWD	Scientific Drilling
08/22/2010	583.00	6.55	137.74	IncAzi-MWD	Scientific Drilling
08/22/2010	644.00	8.07	142.31	IncAzi-MWD	Scientific Drilling
08/22/2010	705.00	8.90	146.15	IncAzi-MWD	Scientific Drilling
08/22/2010	766.00	10.33	148.95	IncAzi-MWD	Scientific Drilling
08/22/2010	828.00	11.83	147.52	IncAzi-MWD	Scientific Drilling
08/22/2010	890.00	13.34	147.81	IncAzi-MWD	Scientific Drilling
08/22/2010	952.00	13.70	149.14	IncAzi-MWD	Scientific Drilling
08/22/2010	1,012.00	13.74	149.06	IncAzi-MWD	Scientific Drilling
08/22/2010	1,075.00	14.53	148.54	IncAzi-MWD	Scientific Drilling
08/22/2010	1,139.00	15.50	148.54	IncAzi-MWD	Scientific Drilling
08/22/2010	1,201.00	16.69	145.11	IncAzi-MWD	Scientific Drilling
08/22/2010	1,264.00	17.83	142.05	IncAzi-MWD	Scientific Drilling
08/22/2010	1,328.00	18.71	138.75	IncAzi-MWD	Scientific Drilling
08/22/2010	1,391.00	20.05	139.15	IncAzi-MWD	Scientific Drilling
08/23/2010	1,455.00	21.85	142.32	IncAzi-MWD	Scientific Drilling
08/23/2010	1,518.00	23.16	142.99	IncAzi-MWD	Scientific Drilling
08/23/2010	1,582.00	24.63	143.84	IncAzi-MWD	Scientific Drilling
08/23/2010	1,646.00	26.80	144.99	IncAzi-MWD	Scientific Drilling
08/23/2010	1,709.00	26.66	144.16	IncAzi-MWD	Scientific Drilling
08/23/2010	1,773.00	27.53	144.50	IncAzi-MWD	Scientific Drilling
08/23/2010	1,835.00	27.93	144.64	IncAzi-MWD	Scientific Drilling
08/23/2010	1,899.00	27.90	144.45	IncAzi-MWD	Scientific Drilling

08/23/2010	1,961.00	27.97	143.63	IncAzi-MWD	Scientific Drilling
08/23/2010	2,024.00	27.80	143.28	IncAzi-MWD	Scientific Drilling
08/23/2010	2,088.00	27.78	144.98	IncAzi-MWD	Scientific Drilling
08/23/2010	2,151.00	27.33	144.86	IncAzi-MWD	Scientific Drilling
08/23/2010	2,214.00	26.64	145.50	IncAzi-MWD	Scientific Drilling
08/23/2010	2,277.00	26.19	145.31	IncAzi-MWD	Scientific Drilling
08/23/2010	2,340.00	26.91	148.88	IncAzi-MWD	Scientific Drilling
08/24/2010	2,403.00	27.09	146.63	IncAzi-MWD	Scientific Drilling
08/24/2010	2,466.00	27.67	147.11	IncAzi-MWD	Scientific Drilling
08/24/2010	2,529.00	27.93	146.97	IncAzi-MWD	Scientific Drilling
08/24/2010	2,592.00	27.80	146.91	IncAzi-MWD	Scientific Drilling
08/24/2010	2,655.00	27.99	146.21	IncAzi-MWD	Scientific Drilling
08/24/2010	2,718.00	27.80	146.21	IncAzi-MWD	Scientific Drilling
08/24/2010	2,782.00	28.41	146.37	IncAzi-MWD	Scientific Drilling
08/24/2010	2,846.00	28.78	144.62	IncAzi-MWD	Scientific Drilling
08/24/2010	2,909.00	29.06	145.48	IncAzi-MWD	Scientific Drilling
08/24/2010	2,972.00	29.08	145.18	IncAzi-MWD	Scientific Drilling
08/24/2010	3,035.00	27.90	145.68	IncAzi-MWD	Scientific Drilling
08/24/2010	3,098.00	26.18	147.45	IncAzi-MWD	Scientific Drilling
08/24/2010	3,162.00	23.81	150.42	IncAzi-MWD	Scientific Drilling
08/24/2010	3,225.00	21.26	151.28	IncAzi-MWD	Scientific Drilling
08/24/2010	3,289.00	20.02	151.43	IncAzi-MWD	Scientific Drilling
08/24/2010	3,352.00	18.06	151.78	IncAzi-MWD	Scientific Drilling
08/24/2010	3,416.00	15.98	150.74	IncAzi-MWD	Scientific Drilling
08/24/2010	3,479.00	13.96	148.25	IncAzi-MWD	Scientific Drilling
08/24/2010	3,543.00	12.55	147.34	IncAzi-MWD	Scientific Drilling
08/24/2010	3,606.00	11.35	138.45	IncAzi-MWD	Scientific Drilling
08/24/2010	3,669.00	10.33	132.63	IncAzi-MWD	Scientific Drilling
08/24/2010	3,732.00	8.97	130.71	IncAzi-MWD	Scientific Drilling
08/24/2010	3,795.00	8.33	134.92	IncAzi-MWD	Scientific Drilling
08/24/2010	3,858.00	7.19	143.38	IncAzi-MWD	Scientific Drilling
08/24/2010	3,922.00	4.84	145.87	IncAzi-MWD	Scientific Drilling
08/24/2010	3,965.00	3.50	145.96	IncAzi-MWD	Scientific Drilling
08/24/2010	4,020.00	3.50	145.96	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	09/02/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
09/02/2010	8,350.00	.75	.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.

yes hwey

Subscribed and sworn to me this October 18, 2010

Crystal L. Tapya

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

RCVD OCT 19 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)

SEC 09-T31N-R9W

SJ 32-9 #15B

Original Hole

API # 30.04S.3S107

Survey: Actual

SDI Standard Survey Report

30 August, 2010

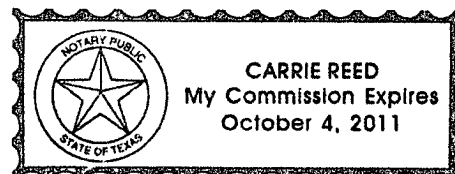
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

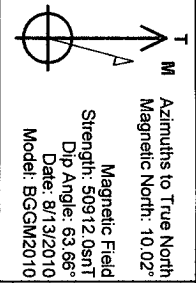
Notorized this date 31st of August, 2010.

[Signature]

Notary Signature
County of Midland
State of Texas



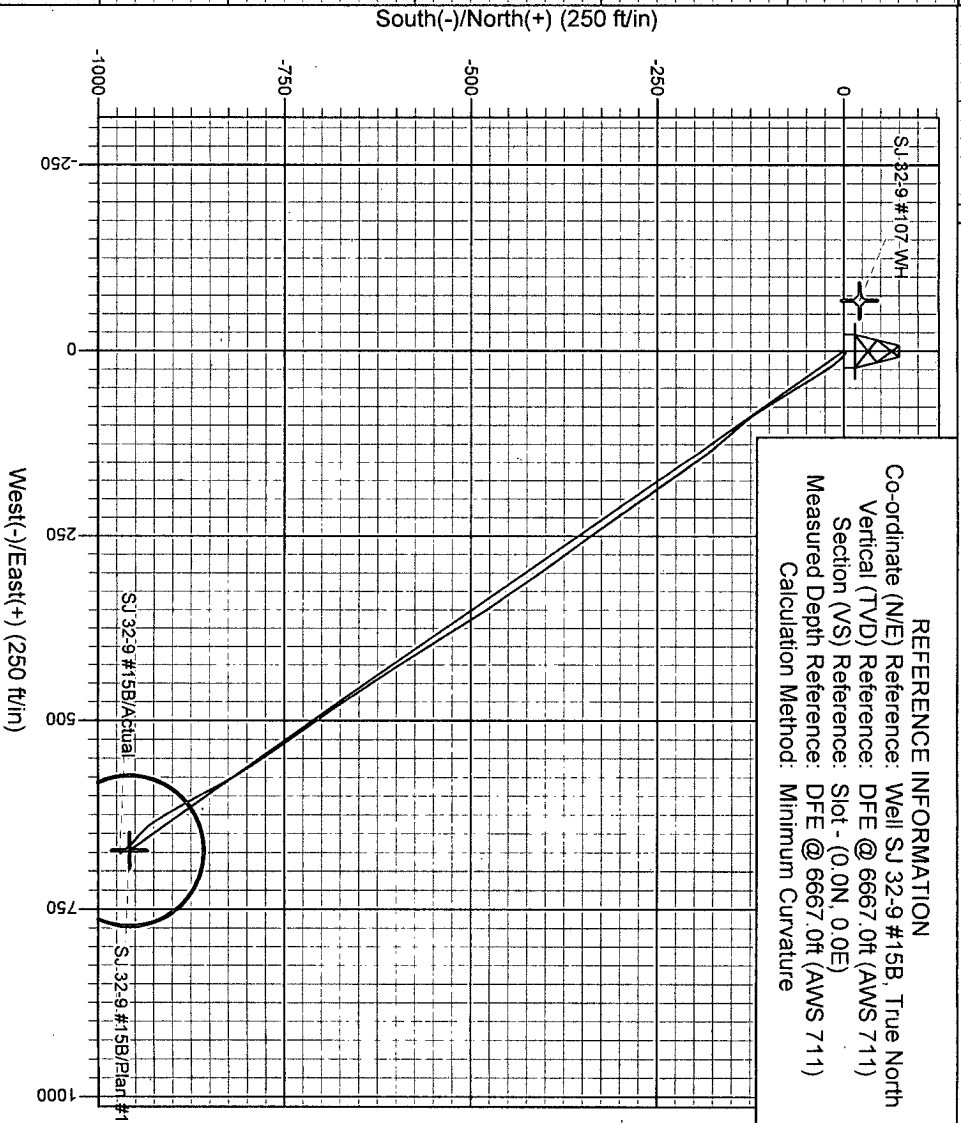
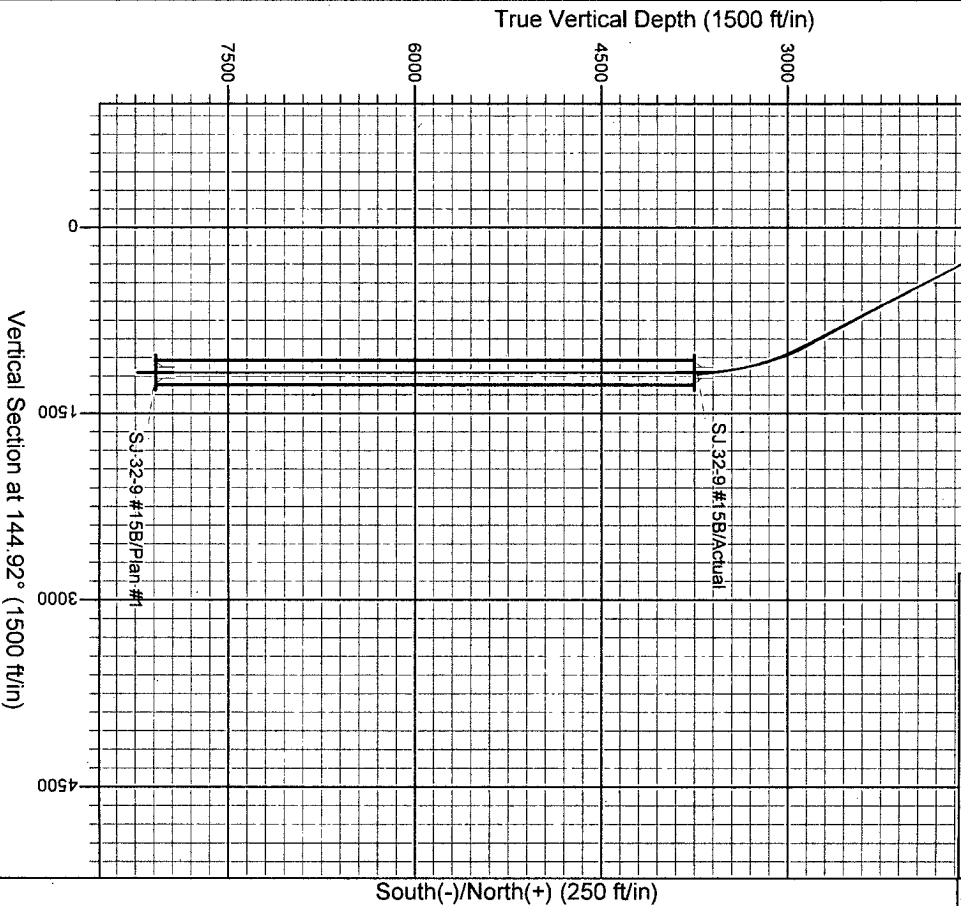
Project: SJB (NM West)
Site: SEC 09-T31N-R9W
Well: SJ 32-9 #15B
Wellbore: Original Hole
Design: Plan #1



+N/-S 0.0
+E/-W 0.0
Northing 2150564.43

WELL DETAILS: SJ 32-9 #15B
DFE @ 6667.0ft (AWS 711)
Ground Level: 6652.0
Easting 512723.83
Latitude 36° 54' 36.564 N
Longitude 107° 47' 23.323 W

Slot



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 32-9 #15B, True North
Vertical (TVD) Reference: DFE @ 6667.0ft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6667.0ft (AWS 711)
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 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 09-T31N-R9W
San Juan County NM
Site Centre Latitude: 36° 54' 36.564 N
Longitude: 107° 47' 23.323 W
Positional Uncertainty: 0.0
Convergence: 0.03
Local North: True

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #15B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6667.0ft (AWS 711)
Site:	SEC 09-T31N-R9W	MD Reference:	DFE @ 6667.0ft (AWS 711)
Well:	SJ 32-9 #15B	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 09-T31N-R9W		
Site Position:		Northing:	2,150,564.43 ft
From:	Lat/Long	Easting:	512,723.83 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 54' 36.564 N
		Longitude:	107° 47' 23.323 W
		Grid Convergence:	0.03 °

Well	SJ 32-9 #15B, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,150,564.43 ft
	+E/-W	0.0 ft	Easting: 512,723.83 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 54' 36.564 N
		Longitude:	107° 47' 23.323 W
		Ground Level:	6,652.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	8/13/2010	10.02	63.66	50,912

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	145.13

Survey Program	Date 8/30/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
274.0	3,965.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0
274.0	1.01	20.68	274.0	2.3	0.9	20.68	2.4	
335.0	1.11	71.39	335.0	3.0	1.6	28.51	3.4	
397.0	1.97	113.45	397.0	2.7	3.1	49.20	4.2	
458.0	3.39	132.82	457.9	1.1	5.4	78.81	5.5	
520.0	4.84	134.61	519.7	-2.0	8.6	103.08	8.9	
583.0	6.55	137.74	582.4	-6.5	13.0	116.77	14.5	
644.0	8.07	142.31	642.9	-12.5	17.9	124.91	21.8	
705.0	8.90	146.15	703.2	-19.8	23.2	130.54	30.5	
766.0	10.33	148.95	763.4	-28.4	28.6	134.80	40.3	
828.0	11.83	147.52	824.2	-38.5	34.9	137.85	52.0	
890.0	13.34	147.81	884.7	-49.9	42.1	139.87	65.3	

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #15B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6667.0ft (AWS 711)
Site:	SEC 09-T31N-R9W	MD Reference:	DFE @ 6667.0ft (AWS 711)
Well:	SJ 32-9 #15B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
952.0	13.70	149.14	945.0	-62.3	49.7	141.43	79.7
1,012.0	13.74	149.06	1,003.3	-74.5	57.0	142.59	93.8
1,075.0	14.53	148.54	1,064.4	-87.7	65.0	143.46	109.1
1,139.0	15.50	148.54	1,126.2	-101.8	73.6	144.13	125.6
1,201.0	16.69	145.11	1,185.8	-116.2	83.0	144.45	142.8
1,264.0	17.83	142.05	1,246.0	-131.2	94.1	144.34	161.5
1,328.0	18.71	138.75	1,306.7	-146.7	106.9	143.90	181.5
1,391.0	20.05	139.15	1,366.2	-162.4	120.7	143.39	202.3
1,455.0	21.85	142.32	1,425.9	-180.2	135.1	143.13	225.2
1,518.0	23.16	142.99	1,484.1	-199.3	149.7	143.08	249.3
1,582.0	24.63	143.84	1,542.6	-220.1	165.2	143.12	275.2
1,646.0	26.80	144.99	1,600.3	-242.7	181.3	143.24	303.0
1,709.0	26.66	144.16	1,656.6	-265.8	197.8	143.35	331.3
1,773.0	27.53	144.50	1,713.5	-289.5	214.8	143.43	360.5
1,835.0	27.93	144.64	1,768.4	-313.0	231.5	143.52	389.3
1,899.0	27.90	144.45	1,825.0	-337.4	248.9	143.59	419.3
1,961.0	27.97	143.63	1,879.7	-360.9	265.9	143.62	448.3
2,024.0	27.80	143.28	1,935.4	-384.6	283.5	143.61	477.8
2,088.0	27.78	144.98	1,992.1	-408.8	300.9	143.64	507.6
2,151.0	27.33	144.86	2,047.9	-432.6	317.7	143.71	536.7
2,214.0	26.64	145.50	2,104.0	-456.1	334.0	143.78	565.3
2,277.0	26.19	145.31	2,160.5	-479.2	349.9	143.86	593.3
2,340.0	26.91	148.88	2,216.8	-502.8	365.2	144.01	621.4
2,403.0	27.09	146.63	2,273.0	-527.0	380.5	144.17	650.0
2,466.0	27.67	147.11	2,328.9	-551.2	396.3	144.29	678.9
2,529.0	27.93	146.97	2,384.6	-575.9	412.3	144.40	708.3
2,592.0	27.80	146.91	2,440.3	-600.6	428.4	144.50	737.7
2,655.0	27.99	146.21	2,496.0	-625.2	444.6	144.58	767.1
2,718.0	27.80	146.21	2,551.7	-649.7	461.0	144.64	796.6
2,782.0	28.41	146.37	2,608.1	-674.8	477.7	144.70	826.7
2,846.0	28.78	144.62	2,664.3	-700.0	495.1	144.73	857.4
2,909.0	29.06	145.48	2,719.5	-725.0	512.5	144.74	887.8
2,972.0	29.08	145.18	2,774.5	-750.1	529.9	144.76	918.4
3,035.0	27.90	145.68	2,829.9	-774.9	547.0	144.78	948.5
3,098.0	26.18	147.45	2,886.0	-798.8	562.8	144.83	977.1
3,162.0	23.81	150.42	2,944.0	-821.9	576.8	144.94	1,004.1
3,225.0	21.26	151.28	3,002.2	-843.0	588.5	145.08	1,028.1
3,289.0	20.02	151.43	3,062.1	-862.8	599.3	145.21	1,050.5
3,352.0	18.06	151.78	3,121.7	-880.9	609.1	145.34	1,071.0
3,416.0	15.98	150.74	3,182.9	-897.3	618.1	145.44	1,089.6
3,479.0	13.96	148.25	3,243.7	-911.3	626.4	145.50	1,105.8
3,543.0	12.55	147.34	3,306.0	-923.7	634.2	145.53	1,120.5
3,606.0	11.35	138.45	3,367.6	-934.1	642.0	145.50	1,133.5
3,669.0	10.33	132.63	3,429.5	-942.6	650.2	145.40	1,145.1

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #15B
Project:	SJB (NM West)	TVD Reference:	DFE @ 6667.0ft (AWS 711)
Site:	SEC 09-T31N-R9W	MD Reference:	DFE @ 6667.0ft (AWS 711)
Well:	SJ 32-9 #15B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)	
3,732.0	8.97	130.71	3,491.6	-949.6	658.1	145.28	1,155.4	
3,795.0	8.33	134.92	3,553.9	-956.1	665.1	145.18	1,164.6	
3,858.0	7.19	143.38	3,616.3	-962.5	670.7	145.13	1,173.1	
3,922.0	4.84	145.87	3,680.0	-967.9	674.6	145.13	1,179.8	
3,965.0	3.50	145.96	3,722.9	-970.5	676.3	145.13	1,182.9	