

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

AS DRILLED PLAT

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35170	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	⁶ Well Number 15N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6460

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	24	31-N	8-W		1375	SOUTH	836	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
K	24	31-N	8-W		1889'	SOUTH	1880'	WEST	SAN JUAN

¹² Dedicated Acres 310.26	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

W/2 DEDICATED
ACREAGE
USA SF-080854
SECTION 24,
T-31-N, R-8-W
USA SF-079351

BLM
1954

(N) (R)
2588.5'
2588.2'
836'
N 63°24'15" E
1185.4'
1880'
1889'

W
1'01'35" W
0'53" W
N
1375'

BLM
1954
N 89°54' W
N 89°59'12" E
2616.2' (R)
2616.6' (M)
BLM
1954

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.

Signature
Marie E. Jaramillo

Printed Name
marie.e.jaramillo@conocophillips

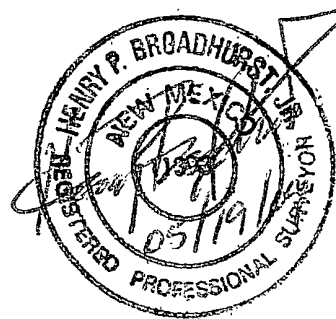
Title and E-mail Address
6/21/11

Date

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.

Date of Survey: 5/6/09
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

**COP Deviation Report
SAN JUAN 32-8 UNIT #15N**

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 32-8 UNIT #15N	API / UWI 3004535170	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 024-031N-008W-L	N/S Dist (ft) 1,375.00	N/S Ref FSL	E/W Dist (ft) 836.00	E/W Ref FWL

Survey Data						
Date	MD (ftKB)	Incl (°)	Method	Survey Company		
4/30/2011	266.00	0.26	IncAzi-MWD	Scientific Drilling		
4/30/2011	296.00	0.17	IncAzi-MWD	Scientific Drilling		
4/30/2011	327.00	0.42	IncAzi-MWD	Scientific Drilling		
4/30/2011	357.00	0.74	IncAzi-MWD	Scientific Drilling		
4/30/2011	388.00	1.04	IncAzi-MWD	Scientific Drilling		
4/30/2011	419.00	1.53	IncAzi-MWD	Scientific Drilling		
4/30/2011	450.00	2.00	IncAzi-MWD	Scientific Drilling		
4/30/2011	481.00	2.64	IncAzi-MWD	Scientific Drilling		
4/30/2011	511.00	3.21	IncAzi-MWD	Scientific Drilling		
4/30/2011	542.00	3.96	IncAzi-MWD	Scientific Drilling		
4/30/2011	572.00	4.60	IncAzi-MWD	Scientific Drilling		
4/30/2011	603.00	5.30	IncAzi-MWD	Scientific Drilling		
4/30/2011	634.00	5.96	IncAzi-MWD	Scientific Drilling		
4/30/2011	665.00	6.84	IncAzi-MWD	Scientific Drilling		
4/30/2011	695.00	7.47	IncAzi-MWD	Scientific Drilling		
4/30/2011	726.00	8.22	IncAzi-MWD	Scientific Drilling		
4/30/2011	757.00	8.70	IncAzi-MWD	Scientific Drilling		
4/30/2011	788.00	9.44	IncAzi-MWD	Scientific Drilling		
4/30/2011	818.00	9.89	IncAzi-MWD	Scientific Drilling		
4/30/2011	853.00	10.73	IncAzi-MWD	Scientific Drilling		
4/30/2011	884.00	11.39	IncAzi-MWD	Scientific Drilling		
4/30/2011	915.00	12.24	IncAzi-MWD	Scientific Drilling		
4/30/2011	947.00	13.24	IncAzi-MWD	Scientific Drilling		
4/30/2011	978.00	13.97	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,010.00	14.80	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,042.00	15.71	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,074.00	16.49	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,105.00	17.14	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,137.00	17.84	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,169.00	18.55	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,200.00	19.21	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,232.00	20.03	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,264.00	20.65	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,296.00	21.48	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,327.00	22.11	IncAzi-MWD	Scientific Drilling		
4/30/2011	1,359.00	22.85	IncAzi-MWD	Scientific Drilling		

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



AV



COP Deviation Report

SAN JUAN 32-8 UNIT #15N

Survey Data					
Date	MD (ftKB)	Incl. (°)	Method	Survey Company	
4/30/2011	1,391.00	23.75	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,455.00	25.39	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,518.00	26.12	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,581.00	26.15	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,645.00	26.49	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,708.00	26.62	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,772.00	27.00	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,836.00	26.84	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,899.00	27.35	IncAzi-MWD	Scientific Drilling	
4/30/2011	1,961.00	27.83	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,024.00	27.74	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,088.00	27.96	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,152.00	28.07	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,215.00	27.99	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,279.00	27.20	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,342.00	27.07	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,405.00	27.44	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,466.00	27.93	IncAzi-MWD	Scientific Drilling	
4/30/2011	2,530.00	28.69	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,593.00	28.42	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,656.00	27.76	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,719.00	26.50	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,783.00	25.61	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,846.00	25.25	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,909.00	24.82	IncAzi-MWD	Scientific Drilling	
5/1/2011	2,972.00	24.27	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,035.00	23.80	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,099.00	22.95	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,162.00	22.94	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,193.00	22.20	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,225.00	21.20	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,256.00	19.97	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,288.00	19.09	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,319.00	18.19	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,351.00	17.37	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,382.00	16.36	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,414.00	15.25	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,445.00	14.44	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,476.00	13.65	IncAzi-MWD	Scientific Drilling	

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

COP Deviation Report
SAN JUAN 32-8 UNIT #15N

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
5/1/2011	3,508.00	12.67	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,539.00	12.16	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,571.00	11.42	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,602.00	10.65	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,634.00	10.16	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,665.00	10.00	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,697.00	9.28	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,729.00	8.32	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,760.00	7.45	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,792.00	6.84	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,823.00	5.85	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,855.00	4.70	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,886.00	3.67	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,918.00	2.72	IncAzi-MWD	Scientific Drilling	
5/1/2011	3,981.00	2.00	IncAzi-MWD	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.

Ben Tolman

Subscribed and sworn to me this 6/21/11

Mario Zamudio

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SJB (NM West)
SEC 24-T31N-R8W
SJ 32-8 #15N

Original Hole

Design: Original Hole

API# 3004535170
Standard Survey Report

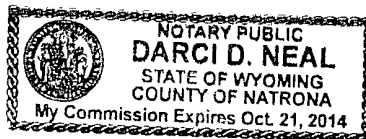
04 May, 2011



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

Notarized this date 4th of May, 2011.

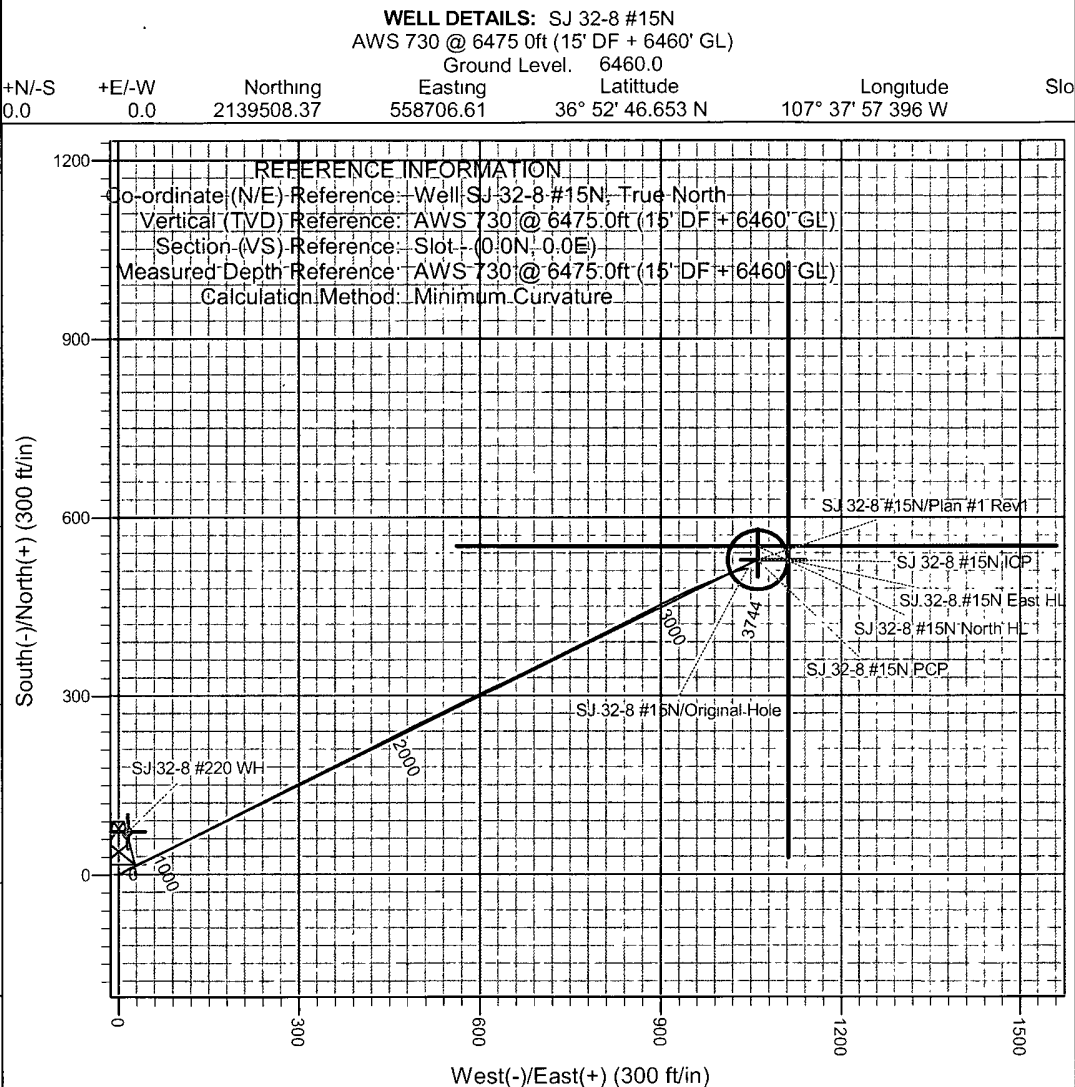
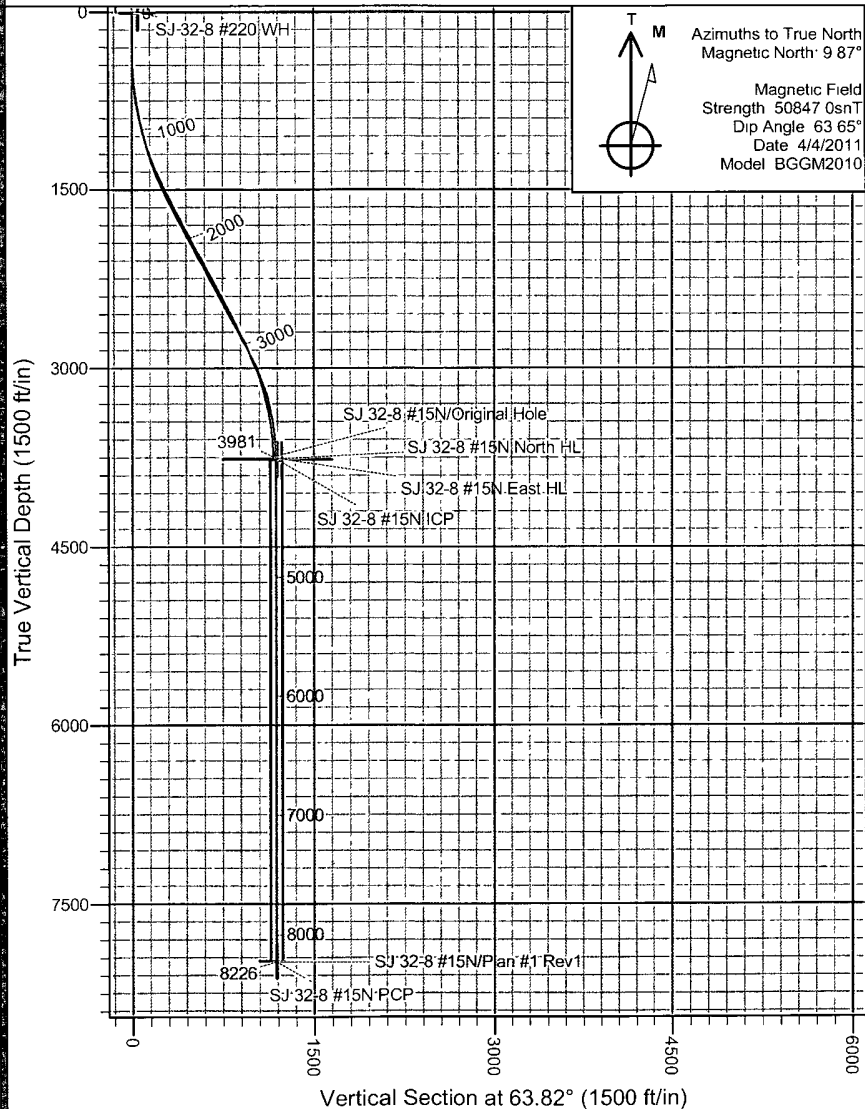
Darci D. Neal
Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips



Project: SJB (NM West)
Site: SEC 24-T31N-R8W
Well: SJ 32-8 #15N
Wellbore: Original Hole
Design: Original Hole



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 24-T31N-R8W
San Juan County NM
Site Centre Latitude: 36° 52' 46.653 N
Longitude: 107° 37' 57.396 W
Positional Uncertainty: 7.5
Convergence: 0.12
Local North: True

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #15N
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Site:	SEC 24-T31N-R8W	MD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Well:	SJ 32-8 #15N	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 24-T31N-R8W		
Site Position:		Northing:	2,139,508.37 ft
From:	Lat/Long	Easting:	558,706.61 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 52' 46.653 N
		Longitude:	107° 37' 57.396 W
		Grid Convergence:	0.12 °

Well:	SJ 32-8 #15N, S-Type MV/DK Well		
Well Position	+N-S	0 0 ft	Northing: 2,139,508.37 ft
	+E-W	0 0 ft	Easting: 558,706.61 ft
Position Uncertainty	3 5 ft	Wellhead Elevation:	ft
		Latitude:	36° 52' 46.653 N
		Longitude:	107° 37' 57.396 W
		Ground Level:	6,460.0 ft

Wellbore:	Original Hole		
------------------	---------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	4/4/2011	9.87	63.65	50,847

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)
	0 0	0 0	0.0
			Direction (°)
			63.82

Survey Program	Date	5/4/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
266.0	3,981.0	Survey #1 (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

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	0 26	196 61	266 0	-0 6	-0 2	-0 4	0 10	0 10	0 00
First SDI MWD Survey									
296 0	0 17	139 63	296 0	-0 7	-0 2	-0 4	0 73	-0 30	-189 93
327 0	0 42	111 16	327 0	-0 8	0 0	-0 4	0 91	0 81	-91 84
357 0	0 74	67 92	357 0	-0 7	0 3	-0 1	1 74	1 07	-144 13
388 0	1 04	76 37	388 0	-0 6	0 7	0 4	1 05	0 97	27 26
419 0	1 53	55 46	419 0	-0 3	1 3	1 1	2 16	1 58	-67 45
450 0	2 00	60 19	450 0	0 2	2 1	2 0	1 59	1 52	15 26
481 0	2 64	57 28	480 9	0 9	3 2	3 3	2 10	2 06	-9 39
511 0	3 21	55 53	510 9	1 7	4 5	4 8	1 92	1 90	-5 83
542 0	3 96	55 08	541 8	2 8	6 1	6 7	2 42	2 42	-1 45
572 0	4 60	52 57	571 8	4 2	7 9	8 9	2 22	2 13	-8 37

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #15N
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Site:	SEC 24-T31N-R8W	MD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Well:	SJ 32-8 #15N	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)	
603.0	5.30	56.51	602.6	5.7	10.1	11.5	2.51	2.26	12.71	
634.0	5.96	57.44	633.5	7.4	12.6	14.6	2.15	2.13	3.00	
665.0	6.84	61.76	664.3	9.1	15.6	18.0	3.23	2.84	13.94	
695.0	7.47	62.94	694.1	10.8	18.9	21.7	2.16	2.10	3.93	
726.0	8.22	62.81	724.8	12.8	22.7	26.0	2.42	2.42	-0.42	
757.0	8.70	63.05	755.4	14.8	26.7	30.5	1.55	1.55	0.77	
788.0	9.44	62.86	786.1	17.1	31.1	35.4	2.39	2.39	-0.61	
818.0	9.89	62.73	815.6	19.4	35.6	40.5	1.50	1.50	-0.43	
853.0	10.73	63.35	850.1	22.2	41.1	46.7	2.42	2.40	1.77	
884.0	11.39	64.39	880.5	24.8	46.5	52.7	2.22	2.13	3.35	
915.0	12.24	64.41	910.8	27.6	52.2	59.0	2.74	2.74	0.06	
947.0	13.24	64.39	942.0	30.6	58.6	66.1	3.13	3.13	-0.06	
978.0	13.97	64.52	972.2	33.8	65.2	73.4	2.36	2.35	0.42	
1,010.0	14.80	64.65	1,003.2	37.2	72.3	81.3	2.60	2.59	0.41	
1,042.0	15.71	63.64	1,034.0	40.8	79.9	89.7	2.96	2.84	-3.16	
1,074.0	16.49	63.86	1,064.8	44.8	87.9	98.6	2.44	2.44	0.69	
1,105.0	17.14	62.82	1,094.5	48.8	95.9	107.6	2.31	2.10	-3.35	
1,137.0	17.84	62.13	1,125.0	53.2	104.4	117.2	2.28	2.19	-2.16	
1,169.0	18.55	62.16	1,155.4	57.9	113.2	127.2	2.22	2.22	0.09	
1,200.0	19.21	62.87	1,184.7	62.5	122.1	137.2	2.25	2.13	2.29	
1,232.0	20.03	62.98	1,214.9	67.4	131.7	147.9	2.57	2.56	0.34	
1,264.0	20.65	63.23	1,244.9	72.5	141.6	159.1	1.96	1.94	0.78	
1,296.0	21.48	63.71	1,274.7	77.6	151.9	170.6	2.65	2.59	1.50	
1,327.0	22.11	63.57	1,303.5	82.7	162.2	182.1	2.04	2.03	-0.45	
1,359.0	22.85	63.53	1,333.1	88.1	173.2	194.3	2.31	2.31	-0.13	
1,391.0	23.75	63.53	1,362.5	93.8	184.5	207.0	2.81	2.81	0.00	
1,455.0	25.39	63.14	1,420.7	105.7	208.3	233.6	2.57	2.56	-0.61	
1,518.0	26.12	63.12	1,477.4	118.1	232.7	261.0	1.16	1.16	-0.03	
1,581.0	26.15	62.71	1,534.0	130.7	257.4	288.7	0.29	0.05	-0.65	
1,645.0	26.49	63.02	1,591.3	143.7	282.7	317.1	0.57	0.53	0.48	
1,708.0	26.62	63.05	1,647.7	156.5	307.8	345.2	0.21	0.21	0.05	
1,772.0	27.00	63.34	1,704.8	169.5	333.5	374.1	0.63	0.59	0.45	
1,836.0	26.84	63.48	1,761.9	182.4	359.5	403.1	0.27	-0.25	0.22	
1,899.0	27.35	63.62	1,818.0	195.2	385.1	431.8	0.82	0.81	0.22	
1,961.0	27.83	63.37	1,872.9	208.0	410.8	460.5	0.80	0.77	-0.40	
2,024.0	27.74	62.73	1,928.6	221.3	437.0	489.8	0.49	-0.14	-1.02	
2,088.0	27.96	62.36	1,985.2	235.1	463.6	519.7	0.44	0.34	-0.58	
2,152.0	28.07	64.07	2,041.7	248.7	490.4	549.8	1.27	0.17	2.67	
2,215.0	27.99	64.37	2,097.3	261.6	517.0	579.4	0.26	-0.13	0.48	
2,279.0	27.20	62.92	2,154.1	274.7	543.6	609.0	1.62	-1.23	-2.27	
2,342.0	27.07	63.09	2,210.1	287.8	569.2	637.8	0.24	-0.21	0.27	
2,405.0	27.44	63.80	2,266.1	300.6	595.0	666.6	0.78	0.59	1.13	
2,466.0	27.93	63.71	2,320.1	313.2	620.4	695.0	0.81	0.80	-0.15	
2,530.0	28.69	63.85	2,376.5	326.6	647.7	725.3	1.19	1.19	0.22	
2,593.0	28.42	63.18	2,431.8	340.0	674.6	755.4	0.66	-0.43	-1.06	
2,656.0	27.76	63.79	2,487.4	353.3	701.2	785.1	1.14	-1.05	0.97	
2,719.0	26.50	64.70	2,543.5	365.8	727.0	813.8	2.11	-2.00	1.44	
2,783.0	25.61	63.06	2,601.0	378.1	752.3	841.9	1.79	-1.39	-2.56	
2,846.0	25.25	62.60	2,657.9	390.5	776.3	869.0	0.65	-0.57	-0.73	
2,909.0	24.82	63.09	2,714.9	402.6	800.1	895.6	0.76	-0.68	0.78	
2,972.0	24.27	63.15	2,772.3	414.5	823.4	921.8	0.87	-0.87	0.10	
3,035.0	23.80	63.55	2,829.8	426.0	846.3	947.5	0.79	-0.75	0.63	
3,099.0	22.95	63.07	2,888.5	437.4	869.0	972.8	1.36	-1.33	-0.75	
3,162.0	22.94	61.93	2,946.6	448.7	890.8	997.4	0.71	-0.02	-1.81	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #15N
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Site:	SEC 24-T31N-R8W	MD Reference:	AWS 730 @ 6475.0ft (15' DF + 6460' GL)
Well:	SJ 32-8 #15N	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)
3,193.0	22.20	62.58	2,975.2	454.3	901.3	1,009.3	2.52	-2.39	2.10
3,225.0	21.20	62.76	3,004.9	459.7	911.9	1,021.1	3.13	-3.13	0.56
3,256.0	19.97	62.96	3,033.9	464.7	921.6	1,032.0	3.97	-3.97	0.65
3,288.0	19.09	64.11	3,064.1	469.4	931.1	1,042.7	3.00	-2.75	3.59
3,319.0	18.19	65.20	3,093.5	473.7	940.1	1,052.6	3.11	-2.90	3.52
3,351.0	17.37	64.92	3,123.9	477.8	948.9	1,062.4	2.58	-2.56	-0.88
3,382.0	16.36	66.33	3,153.6	481.5	957.1	1,071.4	3.51	-3.26	4.55
3,414.0	15.25	66.78	3,184.4	485.0	965.1	1,080.1	3.49	-3.47	1.41
3,445.0	14.44	67.22	3,214.4	488.1	972.4	1,088.0	2.64	-2.61	1.42
3,476.0	13.65	67.82	3,244.4	491.0	979.4	1,095.5	2.59	-2.55	1.94
3,508.0	12.67	68.45	3,275.6	493.7	986.1	1,102.8	3.10	-3.06	1.97
3,539.0	12.16	67.50	3,305.9	496.2	992.3	1,109.4	1.77	-1.65	-3.06
3,571.0	11.42	65.20	3,337.2	498.8	998.3	1,116.0	2.74	-2.31	-7.19
3,602.0	10.65	66.58	3,367.6	501.2	1,003.7	1,121.9	2.63	-2.48	4.45
3,634.0	10.16	67.58	3,399.1	503.5	1,009.1	1,127.7	1.63	-1.53	3.13
3,665.0	10.00	68.54	3,429.6	505.5	1,014.1	1,133.1	0.75	-0.52	3.10
3,697.0	9.28	70.26	3,461.2	507.4	1,019.1	1,138.4	2.42	-2.25	5.38
3,729.0	8.32	71.90	3,492.8	509.0	1,023.7	1,143.3	3.10	-3.00	5.13
3,760.0	7.45	74.03	3,523.5	510.2	1,027.8	1,147.5	2.96	-2.81	6.87
3,792.0	6.84	75.54	3,555.2	511.3	1,031.6	1,151.4	1.99	-1.91	4.72
3,823.0	5.85	75.00	3,586.0	512.1	1,034.9	1,154.7	3.20	-3.19	-1.74
3,855.0	4.70	74.88	3,617.9	512.9	1,037.8	1,157.6	3.59	-3.59	-0.38
3,886.0	3.67	78.68	3,648.8	513.4	1,040.0	1,159.8	3.44	-3.32	12.26
3,918.0	2.72	87.35	3,680.8	513.7	1,041.7	1,161.5	3.32	-2.97	27.09
3,981.0	2.00	104.38	3,743.7	513.5	1,044.3	1,163.7	1.58	-1.14	27.03
Last SDI MWD Survey									

Checked By: _____ Approved By: _____ Date: _____