

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

AS DRILLED PLAT

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35118	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / MESAVERDE BLANCO
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	⁶ Well Number 25A
⁷ OGRID No 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6717

¹⁰ SURFACE LOCATION

UL or lot no P	Section 33	Township 32-N	Range 8-W	Lot Idn	Feet from the 902	North/South line SOUTH	Feet from the 736	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no O	Section 33	Township 32-N	Range 8-W	Lot Idn	Feet from the 1255'	North/South line SOUTH	Feet from the 1611'	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16 BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	E/2 DEDICATED ACREAGE USA SF-079381 SECTION 33, T-33-N, R-8-W	WELL FLAG NAD 83 LAT: 36.935493° N LONG: 107.673770° W NAD 27 LAT: 36°56.129409' N LONG: 107°40.389427' W	BLM 1962 5263.5' (R) 5263.1' (M)	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. <i>Marie E. Jaramillo</i> Signature Marie E. Jaramillo Printed Name marie.e.jaramillo@conocophillips Title and E-mail Address 9/11/11 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: 8/4/09 Signature and Seal of Professional Surveyor: <i>Henry P. Broadhurst, Jr.</i> Professional Surveyor Certificate Number: NM 11393

A



COP Deviation Report
SAN JUAN 32-8 UNIT #25A

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 32-8 UNIT #25A	API / UWI 3004535118	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 033-032N-008W-P	N/S Dist (ft) 902 00	N/S Ref FSL	E/W Dist (ft) 736.00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
7/18/2011	129.00	0 75	Inc-Drop	MO-TE DRILLING INC	
7/18/2011	236.00	2.25	Inc-Drop	MO-TE DRILLING INC	
7/27/2011	294.00	1.38	IncAzi-MWD	Scientific Drilling	
7/27/2011	355.00	1.33	IncAzi-MWD	Scientific Drilling	
7/27/2011	416.00	1.47	IncAzi-MWD	Scientific Drilling	
7/28/2011	477.00	1.36	IncAzi-MWD	Scientific Drilling	
7/28/2011	538.00	2.30	IncAzi-MWD	Scientific Drilling	
7/28/2011	599.00	3 08	IncAzi-MWD	Scientific Drilling	
7/28/2011	660.00	4.06	IncAzi-MWD	Scientific Drilling	
7/28/2011	721.00	5 56	IncAzi-MWD	Scientific Drilling	
7/28/2011	814.00	7 22	IncAzi-MWD	Scientific Drilling	
7/28/2011	879.00	8 63	IncAzi-MWD	Scientific Drilling	
7/28/2011	944.00	9 86	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,008.00	11 20	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,073.00	12 78	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,137.00	13.89	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,202.00	15 01	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,267.00	16 31	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,331.00	17.57	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,395.00	18 79	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,459.00	19 99	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,524.00	20.99	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,588.00	21 75	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,653.00	21.98	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,717.00	22 35	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,782.00	22 67	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,847.00	23 07	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,911.00	23 06	IncAzi-MWD	Scientific Drilling	
7/28/2011	1,976.00	23.66	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,040.00	23.55	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,105.00	23 01	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,169.00	22 94	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,234.00	22 51	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,298.00	22.08	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,363.00	21.68	IncAzi-MWD	Scientific Drilling	
7/28/2011	2,428.00	21 60	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 _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/28/2011	2,492.00	21.53	IncAzi-MWD	Scientific Drilling
7/28/2011	2,557.00	20.15	IncAzi-MWD	Scientific Drilling
7/28/2011	2,622.00	20.68	IncAzi-MWD	Scientific Drilling
7/28/2011	2,686.00	20.89	IncAzi-MWD	Scientific Drilling
7/28/2011	2,750.00	20.37	IncAzi-MWD	Scientific Drilling
7/28/2011	2,815.00	20.27	IncAzi-MWD	Scientific Drilling
7/28/2011	2,879.00	20.44	IncAzi-MWD	Scientific Drilling
7/29/2011	2,944.00	19.93	IncAzi-MWD	Scientific Drilling
7/29/2011	3,009.00	18.73	IncAzi-MWD	Scientific Drilling
7/29/2011	3,073.00	17.14	IncAzi-MWD	Scientific Drilling
7/29/2011	3,138.00	16.04	IncAzi-MWD	Scientific Drilling
7/29/2011	3,202.00	15.66	IncAzi-MWD	Scientific Drilling
7/29/2011	3,266.00	14.78	IncAzi-MWD	Scientific Drilling
7/29/2011	3,331.00	13.49	IncAzi-MWD	Scientific Drilling
7/29/2011	3,396.00	12.24	IncAzi-MWD	Scientific Drilling
7/29/2011	3,460.00	11.60	IncAzi-MWD	Scientific Drilling
7/29/2011	3,524.00	11.35	IncAzi-MWD	Scientific Drilling
7/29/2011	3,589.00	11.13	IncAzi-MWD	Scientific Drilling
7/29/2011	3,653.00	10.07	IncAzi-MWD	Scientific Drilling
7/30/2011	3,718.00	8.67	IncAzi-MWD	Scientific Drilling
7/30/2011	3,782.00	6.25	IncAzi-MWD	Scientific Drilling
7/30/2011	3,847.00	4.74	IncAzi-MWD	Scientific Drilling
7/30/2011	3,911.00	3.91	IncAzi-MWD	Scientific Drilling
7/30/2011	3,994.00	3.81	IncAzi-MWD	Scientific Drilling
8/11/2011	8,418.00	1.00	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 9/12/11

Maria Juarez

Notary Public in and for San Juan County, New Mexico

My Commission expires 9/28/14



Scientific Drilling
Directional Drilling Operations

ConocoPhillips

**SJB (NM West)
SEC 33-T32N-R8W
SJ 32-8 #25A
API# 30-045-35118
Original Hole**

Design: Original Hole

Standard Survey Report

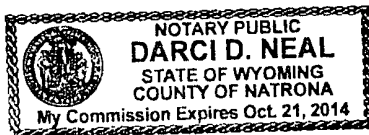
03 August, 2011

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

Notarized this date 3rd of August, 2011.

Darci D. Neal

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #25A
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6732 0ft (15' DF + 6717' GL)
Site:	SEC 33-T32N-R8W	MD Reference:	AWS 920 @ 6732 0ft (15' DF + 6717' GL)
Well:	SJ 32-8 #25A	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 33-T32N-R8W		
Site Position:		Northing:	2,159,823.65 ft
From:	Lat/Long	Easting:	546,813.40 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 56' 7.765 N
		Longitude:	107° 40' 23.366 W
		Grid Convergence:	0 10 °

Well	SJ 32-8 #25A, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,159,823.65 ft
	+E/-W	0.0 ft	Easting: 546,813.40 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	6,717.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2011	7/11/2011	9 87
			Dip Angle (°)
			63.66
			Field Strength (nT)
			50,829

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 (°)
			291.98

Survey Program	Date 8/3/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
294.0	3,994.0	Survey #1 (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
294 0	1.38	326.18	294.0	2.9	-2.0	2.9	0 47	0 47	0 00
First SDI MWD Survey									
355 0	1.33	326 51	355 0	4 1	-2.8	4 1	0 08	-0 08	0 54
416 0	1 47	322 11	415.9	5 3	-3.6	5 4	0 29	0 23	-7 21
477 0	1.36	302.30	476.9	6 4	-4 7	6 8	0 82	-0 18	-32.48
538 0	2.30	276.93	537.9	6 9	-6.6	8 7	2 00	1 54	-41.59
599 0	3.08	281.26	598.8	7 4	-9 4	11 5	1 32	1 28	7 10
660 0	4.06	291 26	659.7	8 5	-13.0	15 2	1 90	1 61	16.39
721 0	5.56	296 70	720.5	10 6	-17.7	20 3	2 57	2 46	8 92
814 0	7 22	302 08	812.9	15 7	-26 6	30 6	1 90	1 78	5 78
879 0	8 63	302 79	877.3	20 5	-34 2	39 4	2 17	2 17	1 09
944 0	9 86	301 85	941.4	26 1	-43 0	49 7	1 91	1 89	-1 45

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #25A
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6732.0ft (15' DF + 6717' GL)
Site:	SEC 33-T32N-R8W	MD Reference:	AWS 920 @ 6732.0ft (15' DF + 6717' GL)
Well:	SJ 32-8 #25A	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)
1,008.0	11.20	296.12	1,004.4	31.7	-53.3	61.3	2.65	2.09	-8.95
1,073.0	12.78	293.39	1,067.9	37.3	-65.5	74.7	2.58	2.43	-4.20
1,137.0	13.89	292.22	1,130.2	43.1	-79.1	89.5	1.78	1.73	-1.83
1,202.0	15.01	291.98	1,193.2	49.2	-94.2	105.7	1.73	1.72	-0.37
1,267.0	16.31	293.64	1,255.7	56.0	-110.3	123.3	2.12	2.00	2.55
1,331.0	17.57	294.04	1,317.0	63.5	-127.4	141.9	1.98	1.97	0.63
1,395.0	18.79	293.97	1,377.8	71.6	-145.6	161.9	1.91	1.91	-0.11
1,459.0	19.99	294.51	1,438.1	80.4	-165.0	183.1	1.90	1.88	0.84
1,524.0	20.99	293.36	1,499.0	89.6	-185.8	205.8	1.66	1.54	-1.77
1,588.0	21.75	292.45	1,558.6	98.7	-207.3	229.1	1.30	1.19	-1.42
1,653.0	21.98	291.52	1,618.9	107.7	-229.7	253.3	0.64	0.35	-1.43
1,717.0	22.35	291.29	1,678.2	116.5	-252.2	277.5	0.59	0.58	-0.36
1,782.0	22.67	290.60	1,738.3	125.4	-275.4	302.4	0.64	0.49	-1.06
1,847.0	23.07	290.22	1,798.2	134.2	-299.1	327.6	0.66	0.62	-0.58
1,911.0	23.06	289.41	1,857.0	142.7	-322.7	352.7	0.50	-0.02	-1.27
1,976.0	23.66	288.85	1,916.7	151.2	-347.1	378.4	0.98	0.92	-0.86
2,040.0	23.55	289.98	1,975.4	159.7	-371.2	404.0	0.73	-0.17	1.77
2,105.0	23.01	291.22	2,035.1	168.7	-395.3	429.7	1.12	-0.83	1.91
2,169.0	22.94	291.14	2,094.0	177.8	-418.6	454.7	0.12	-0.11	-0.13
2,234.0	22.51	289.80	2,153.9	186.5	-442.1	479.8	1.04	-0.66	-2.06
2,298.0	22.08	288.62	2,213.2	194.5	-465.0	504.0	0.97	-0.67	-1.84
2,363.0	21.68	289.16	2,273.5	202.4	-487.9	528.2	0.69	-0.62	0.83
2,428.0	21.60	289.46	2,333.9	210.3	-510.6	552.2	0.21	-0.12	0.46
2,492.0	21.53	289.74	2,393.4	218.2	-532.7	575.7	0.19	-0.11	0.44
2,557.0	20.15	290.20	2,454.2	226.1	-554.5	598.8	2.14	-2.12	0.71
2,622.0	20.68	289.74	2,515.1	233.8	-575.8	621.4	0.85	0.82	-0.71
2,686.0	20.89	288.57	2,574.9	241.3	-597.2	644.1	0.73	0.33	-1.83
2,750.0	20.37	289.51	2,634.8	248.6	-618.5	666.6	0.96	-0.81	1.47
2,815.0	20.27	292.12	2,695.8	256.7	-639.6	689.2	1.40	-0.15	4.02
2,879.0	20.44	291.61	2,755.8	264.9	-660.3	711.5	0.38	0.27	-0.80
2,944.0	19.93	292.85	2,816.8	273.4	-681.0	733.9	1.02	-0.78	1.91
3,009.0	18.73	292.72	2,878.1	281.8	-700.9	755.4	1.85	-1.85	-0.20
3,073.0	17.14	291.35	2,939.0	289.2	-719.1	775.1	2.57	-2.48	-2.14
3,138.0	16.04	290.30	3,001.3	295.8	-736.5	793.7	1.75	-1.69	-1.62
3,202.0	15.66	290.21	3,062.9	301.8	-752.9	811.1	0.59	-0.59	-0.14
3,266.0	14.78	291.00	3,124.6	307.7	-768.6	827.9	1.41	-1.38	1.23
3,331.0	13.49	293.17	3,187.6	313.7	-783.3	843.8	2.15	-1.98	3.34
3,396.0	12.24	294.54	3,251.0	319.5	-796.6	858.3	1.98	-1.92	2.11
3,460.0	11.60	293.85	3,313.6	324.9	-808.6	871.5	1.02	-1.00	-1.08
3,524.0	11.35	292.20	3,376.4	329.9	-820.3	884.2	0.64	-0.39	-2.58
3,589.0	11.13	289.85	3,440.1	334.5	-832.2	896.9	0.78	-0.34	-3.62
3,653.0	10.07	289.48	3,503.0	338.4	-843.2	908.6	1.66	-1.66	-0.58
3,718.0	8.67	286.97	3,567.1	341.8	-853.3	919.2	2.24	-2.15	-3.86
3,782.0	6.25	292.16	3,630.6	344.5	-861.1	927.5	3.92	-3.78	8.11
3,847.0	4.74	301.19	3,695.3	347.2	-866.7	933.7	2.67	-2.32	13.89
3,911.0	3.91	306.29	3,759.1	349.9	-870.7	938.4	1.43	-1.30	7.97
3,994.0	3.81	308.81	3,841.9	353.3	-875.2	943.8	0.24	-0.12	3.04
Last SDI MWD Survey									



Scientific Drilling
Survey Report

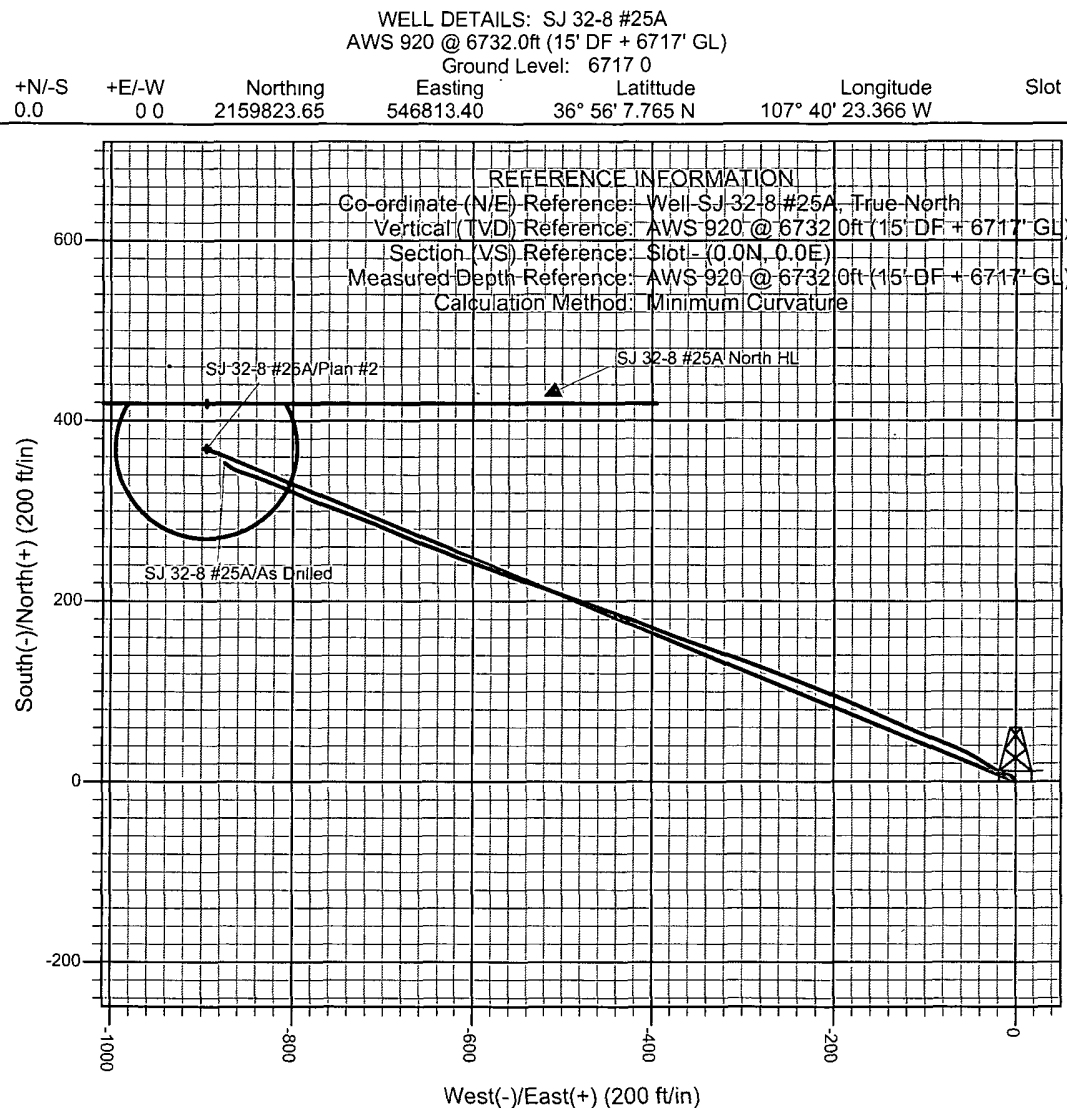
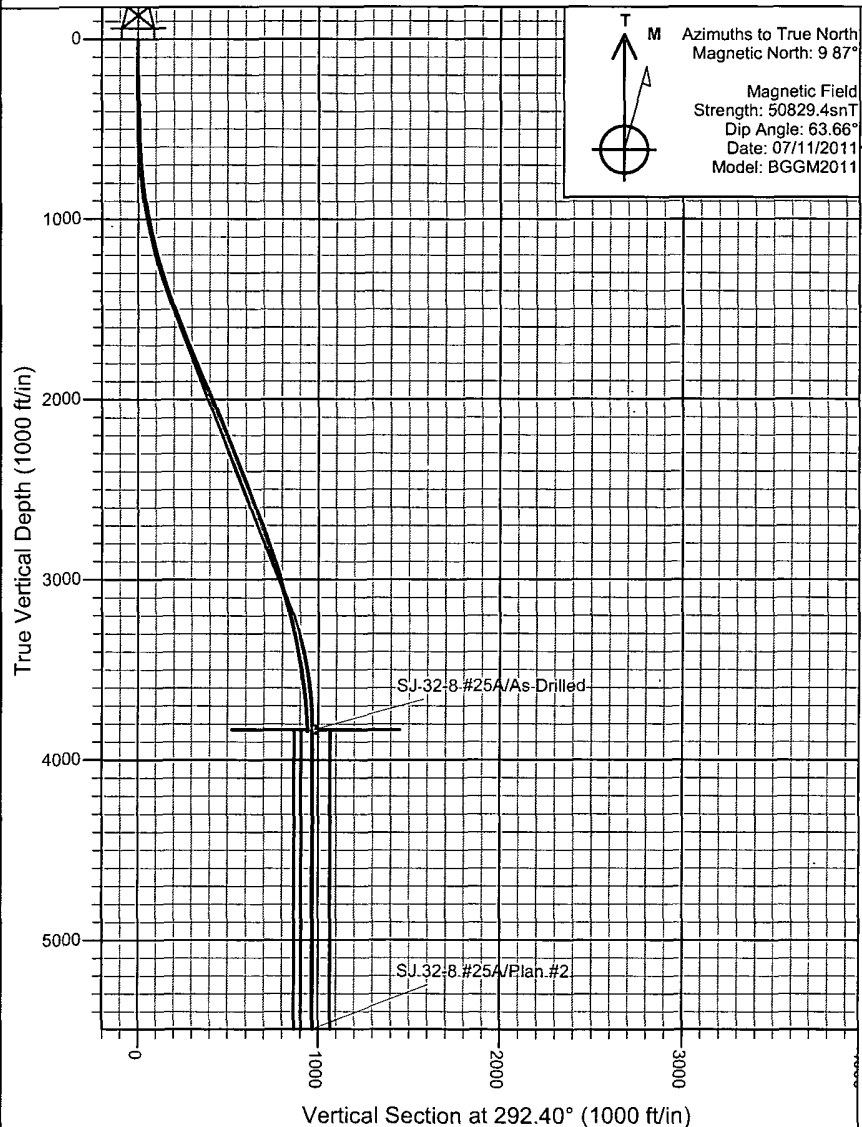


Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #25A
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6732.0ft (15' DF + 6717' GL)
Site:	SEC 33-T32N-R8W	MD Reference:	AWS 920 @ 6732.0ft (15' DF + 6717' GL)
Well:	SJ 32-8 #25A	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDMCOP

Checked By: _____ Approved By: _____ Date: _____



Project: SJB (NM West)
 Site: SEC 33-T32N-R8W
 Well: SJ 32-8 #25A
 Wellbore: Original Hole
 Design: As Drilled



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 33-T32N-R8W
 San Juan County NM
 Site Centre Latitude: 36° 56' 7.765 N
 Longitude: 107° 40' 23.366 W
 Positional Uncertainty: 7.5
 Convergence: 0.10
 Local North: True