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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-35131	97232 / 71599	BASIN DAKOTA / BLANCO MESAVERDE

4 Property Code	5 Property Name	6 Well Number
31329	SAN JUAN 32-7 UNIT	17B

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6582

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
A	17	31-N	7-W		833	NORTH	857	EAST	SAN JUAN

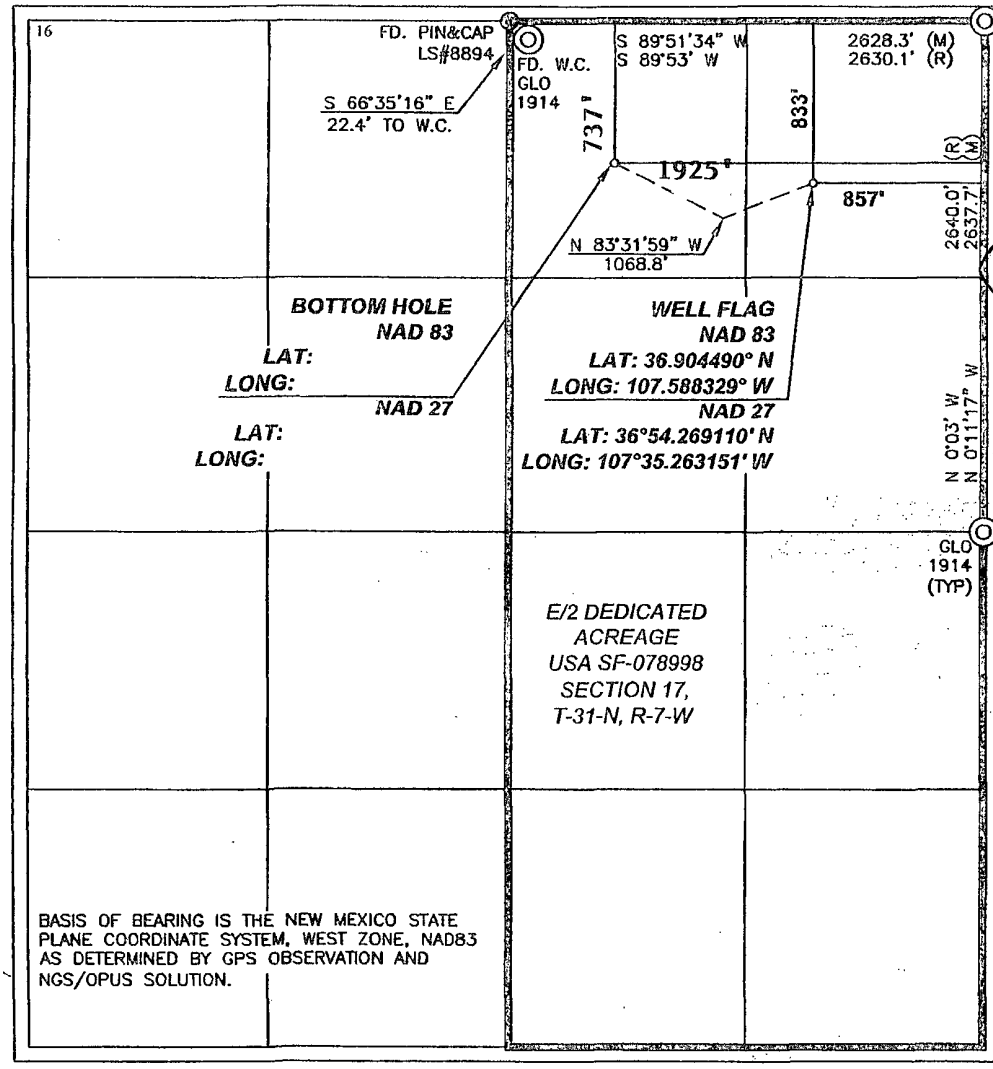
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	17	31-N	7-W		737'	NORTH	1925'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.00			

RCVD DEC 1'10
OIL CONS. DIV.
DIST. 3

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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Dollie L. Busse
Printed Name

Staff Regulatory Tech.
Title and E-mail Address

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: 12/16/09
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST, JR.
NEW MEXICO
11393
PROFESSIONAL SURVEYOR

Certificate Number: NM 11393

COP Deviation Report ConocoPhillips **API: 3004535131**

RCVD DEC 1'10
OIL CONS. DIV.
DIST. 3

Legal WellName : SAN JUAN 32-7 UNIT #17B	**API / UWI:** 3004535131
Operator: CONOCOPHILLIPS COMPANY	**Surf Loc:** 017-031N-007W-A
St/Prov: NEW MEXICO	**N/S Dist (ft):** 833.00 - FNL
County: SAN JUAN	**E/W Dist (ft):** 857.00 - FEL

Wellbore Name : Original Hole

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	07/06/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/06/2010	130.00	.75	.00	Inc-Drop	MOTE
07/06/2010	237.00	1.00	.00	Inc-Drop	MOTE
08/18/2010	8,000.00	1.25	.00	Inc-Drop	MOTE

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEY	08/02/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/02/2010	261.00	1.21	70.43	IncAzi-MWD	Scientific Drilling
08/02/2010	322.00	.79	42.69	IncAzi-MWD	Scientific Drilling
08/02/2010	384.00	.65	259.50	IncAzi-MWD	Scientific Drilling
08/02/2010	446.00	2.08	261.58	IncAzi-MWD	Scientific Drilling
08/02/2010	507.00	4.08	277.67	IncAzi-MWD	Scientific Drilling
08/02/2010	569.00	6.03	283.65	IncAzi-MWD	Scientific Drilling
08/02/2010	631.00	7.83	284.57	IncAzi-MWD	Scientific Drilling
08/02/2010	693.00	9.34	283.92	IncAzi-MWD	Scientific Drilling
08/02/2010	754.00	10.43	282.78	IncAzi-MWD	Scientific Drilling
08/02/2010	816.00	12.17	281.57	IncAzi-MWD	Scientific Drilling
08/02/2010	877.00	13.35	279.07	IncAzi-MWD	Scientific Drilling
08/02/2010	942.00	14.56	275.45	IncAzi-MWD	Scientific Drilling
08/02/2010	1,005.00	15.63	275.69	IncAzi-MWD	Scientific Drilling
08/02/2010	1,068.00	16.56	277.40	IncAzi-MWD	Scientific Drilling
08/02/2010	1,132.00	17.59	277.64	IncAzi-MWD	Scientific Drilling
08/02/2010	1,195.00	17.47	276.38	IncAzi-MWD	Scientific Drilling
08/02/2010	1,258.00	18.19	277.46	IncAzi-MWD	Scientific Drilling
08/02/2010	1,321.00	19.17	275.93	IncAzi-MWD	Scientific Drilling
08/02/2010	1,384.00	20.46	276.71	IncAzi-MWD	Scientific Drilling
08/02/2010	1,447.00	21.26	276.10	IncAzi-MWD	Scientific Drilling
08/02/2010	1,511.00	22.68	275.46	IncAzi-MWD	Scientific Drilling
08/02/2010	1,574.00	23.31	275.25	IncAzi-MWD	Scientific Drilling
08/02/2010	1,638.00	23.58	274.68	IncAzi-MWD	Scientific Drilling
08/02/2010	1,701.00	24.55	273.96	IncAzi-MWD	Scientific Drilling
08/03/2010	1,764.00	25.34	273.61	IncAzi-MWD	Scientific Drilling
08/03/2010	1,827.00	25.17	273.15	IncAzi-MWD	Scientific Drilling

08/03/2010	1,890.00	24.88	274.09	IncAzi-MWD	Scientific Drilling
08/03/2010	1,953.00	24.89	274.61	IncAzi-MWD	Scientific Drilling
08/03/2010	2,016.00	24.71	275.73	IncAzi-MWD	Scientific Drilling
08/03/2010	2,079.00	25.39	274.84	IncAzi-MWD	Scientific Drilling
08/03/2010	2,142.00	25.34	274.08	IncAzi-MWD	Scientific Drilling
08/03/2010	2,205.00	25.20	274.04	IncAzi-MWD	Scientific Drilling
08/03/2010	2,267.00	25.46	274.56	IncAzi-MWD	Scientific Drilling
08/03/2010	2,330.00	25.96	274.59	IncAzi-MWD	Scientific Drilling
08/03/2010	2,393.00	25.04	275.59	IncAzi-MWD	Scientific Drilling
08/03/2010	2,456.00	24.16	276.70	IncAzi-MWD	Scientific Drilling
08/03/2010	2,520.00	24.50	276.48	IncAzi-MWD	Scientific Drilling
08/03/2010	2,583.00	24.97	275.68	IncAzi-MWD	Scientific Drilling
08/03/2010	2,646.00	24.96	275.71	IncAzi-MWD	Scientific Drilling
08/03/2010	2,709.00	25.63	276.17	IncAzi-MWD	Scientific Drilling
08/03/2010	2,771.00	25.93	275.82	IncAzi-MWD	Scientific Drilling
08/03/2010	2,834.00	25.90	274.24	IncAzi-MWD	Scientific Drilling
08/03/2010	2,898.00	26.47	274.82	IncAzi-MWD	Scientific Drilling
08/03/2010	2,961.00	25.43	274.17	IncAzi-MWD	Scientific Drilling
08/03/2010	3,024.00	24.52	274.30	IncAzi-MWD	Scientific Drilling
08/03/2010	3,087.00	23.48	273.00	IncAzi-MWD	Scientific Drilling
08/03/2010	3,150.00	21.50	272.58	IncAzi-MWD	Scientific Drilling
08/03/2010	3,212.00	19.39	275.96	IncAzi-MWD	Scientific Drilling
08/03/2010	3,275.00	16.26	277.33	IncAzi-MWD	Scientific Drilling
08/03/2010	3,338.00	14.66	274.75	IncAzi-MWD	Scientific Drilling
08/03/2010	3,401.00	13.20	269.64	IncAzi-MWD	Scientific Drilling
08/03/2010	3,464.00	11.08	265.38	IncAzi-MWD	Scientific Drilling
08/03/2010	3,528.00	8.93	260.94	IncAzi-MWD	Scientific Drilling
08/03/2010	3,591.00	7.86	263.30	IncAzi-MWD	Scientific Drilling
08/04/2010	3,654.00	6.52	268.48	IncAzi-MWD	Scientific Drilling
08/04/2010	3,717.00	5.30	268.62	IncAzi-MWD	Scientific Drilling
08/04/2010	3,779.00	4.16	267.56	IncAzi-MWD	Scientific Drilling
08/04/2010	3,843.00	2.69	266.72	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.

Subscribed and sworn to me this 11/24/10

Notary Public in and for San Juan County, New Mexico

My Commission expires 8/6/14

ConocoPhillips

SJB (NM West)
SEC 17-T31N-R7W
SJ 32-7 #17B
3004535131
Original Hole

Survey: Actual

Standard Survey Report

11 August, 2010

API- 30-045-35131

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

Notorized this date 11th of August, 2010.

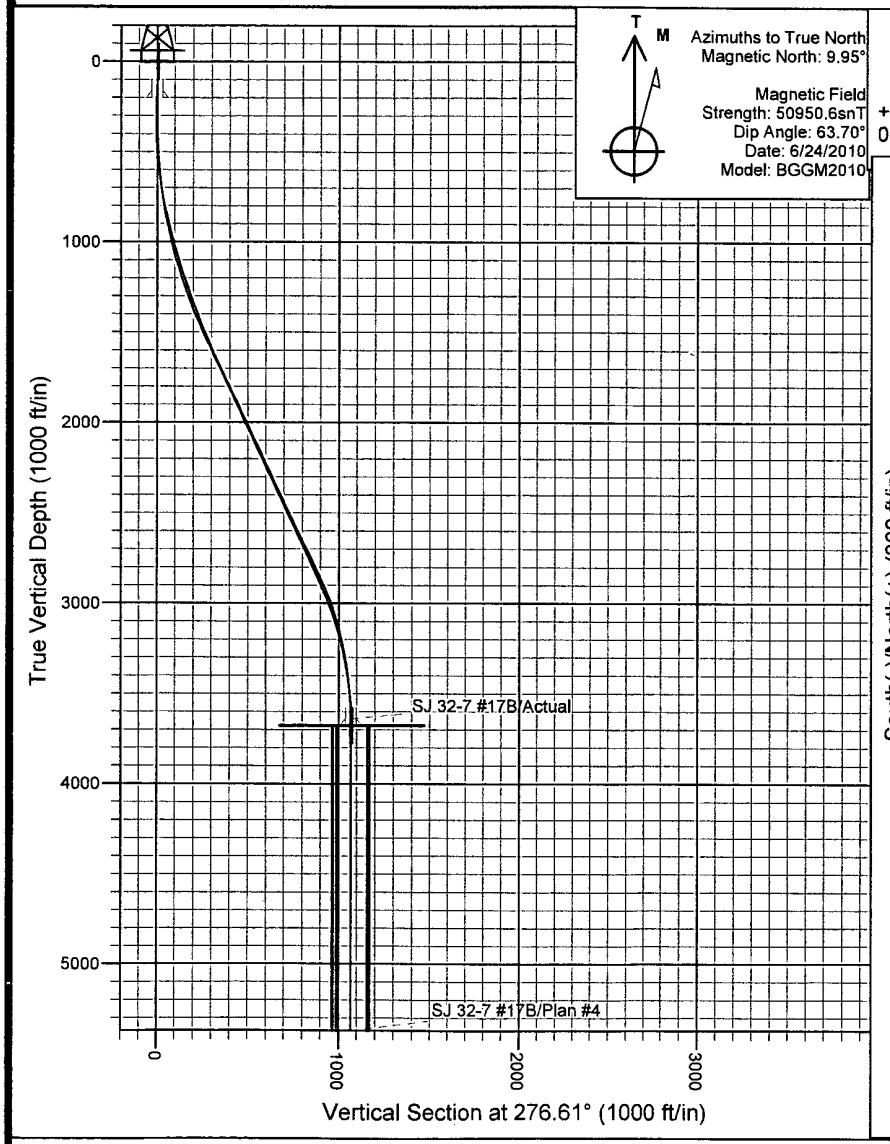
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling
Directional Drilling Operations

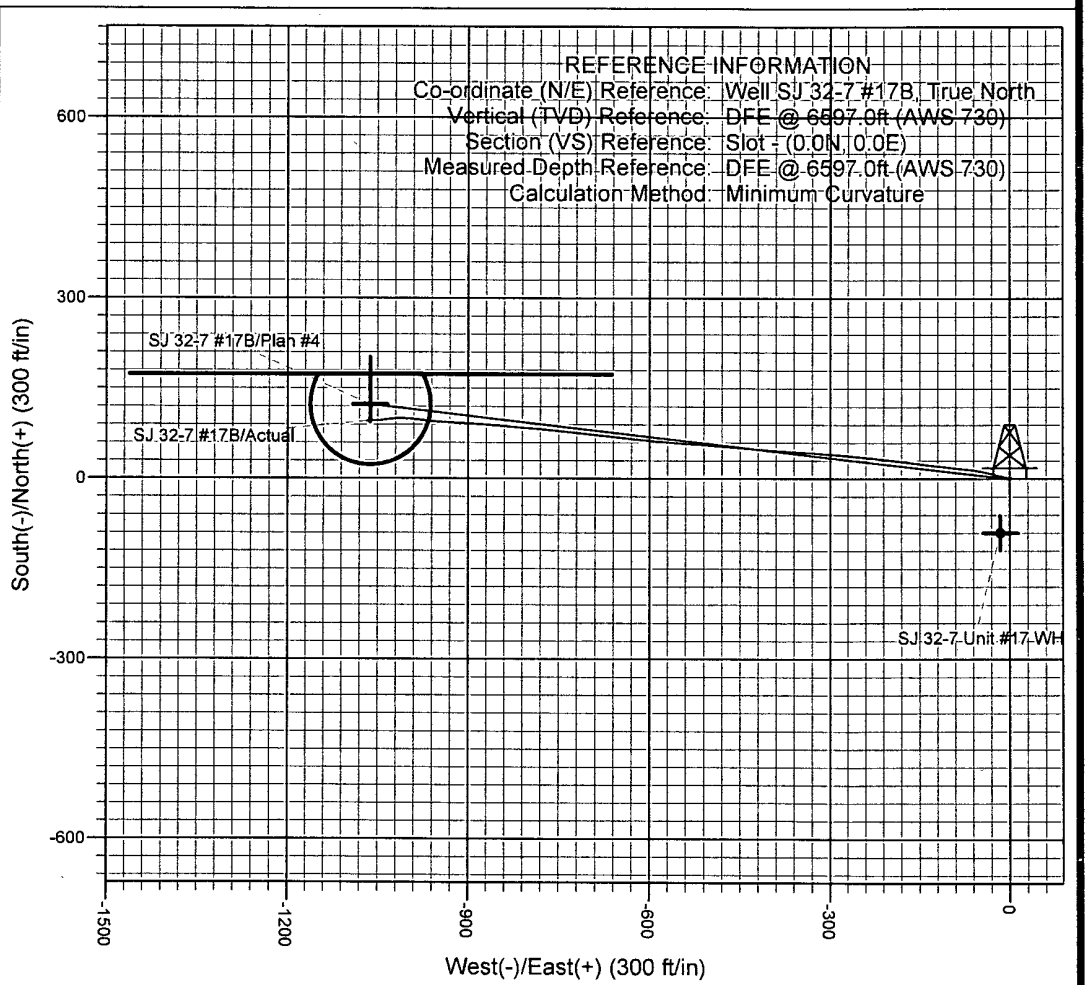
Project: SJB (NM West)
SEC 17-T31N-R7W
Well: SJ 32-7 #17B
Wellbore: Original Hole
Design: Plan #4
Site:

ConocoPhillips



WELL DETAILS: SJ 32-7 #17B
DFE @ 6597.0ft (AWS 730)
Ground Level: 6582.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2148589.23	571812.75	36° 54' 16.147 N	107° 35' 15.789 W	



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 17-T31N-R7W
San Juan County NM
Site Centre Latitude: 36° 54' 15.789 N
Longitude: 107° 35' 15.789 W
Positional Uncertainity: 0.0
Convergence: 0.15
Local North: True

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.
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Form C-102
Revised October 12, 2005
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-35131	97232 / 71599	BASIN DAKOTA / BLANCO MESAVERDE

4 Property Code	5 Property Name	6 Well Number
31329	SAN JUAN 32-7 UNIT	17B

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6582

10 SURFACE LOCATION

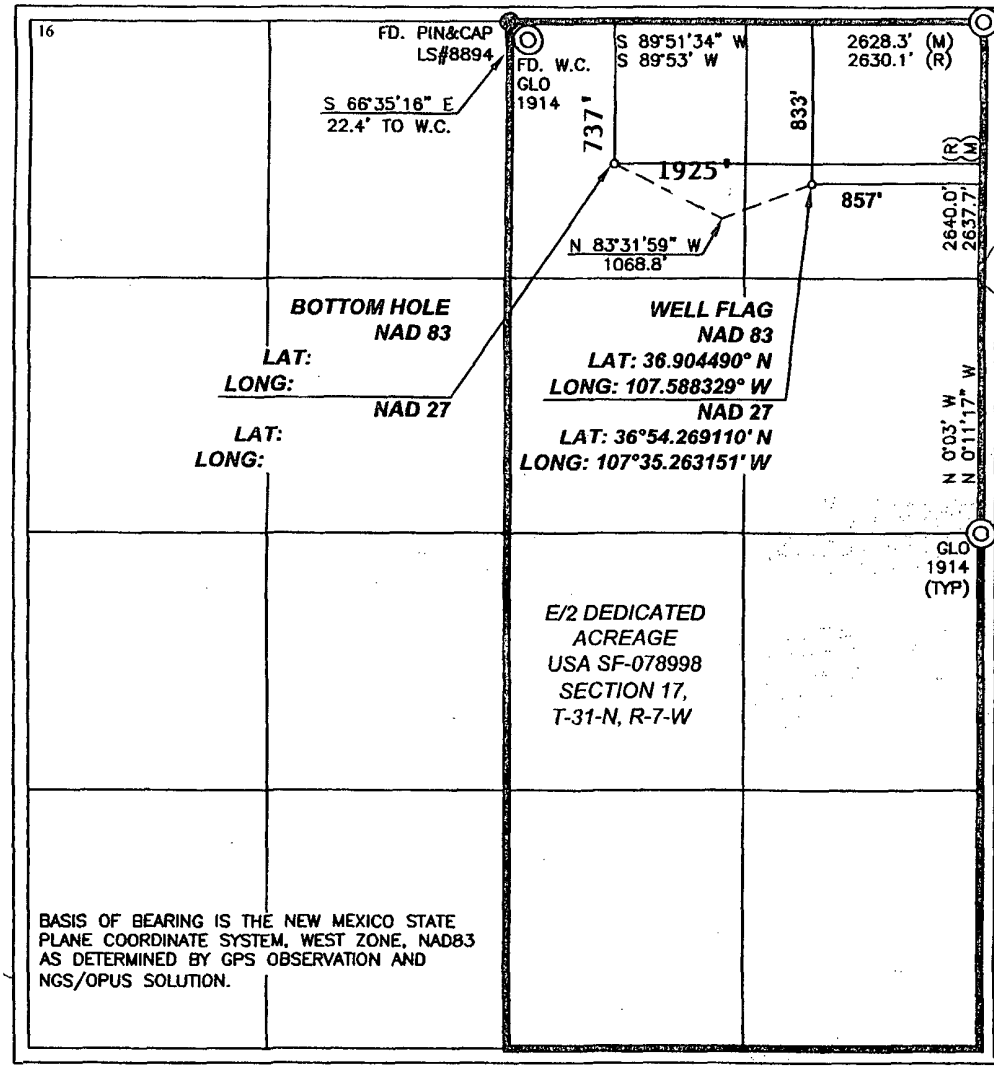
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	31-N	7-W		833	NORTH	857	EAST	SAN JUAN

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
B	17	31-N	7-W		737'	NORTH	1925'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.00			

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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Dollie L Busse

Dollie L. Busse
Printed Name

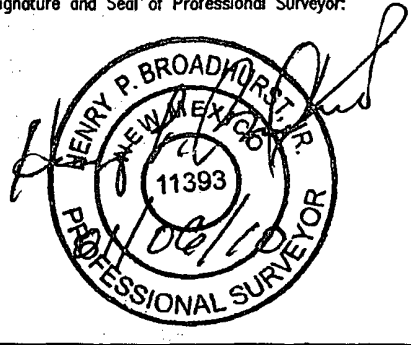
Staff Regulatory Tech.
Title and E-mail Address

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: 12/16/09
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

RC

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-7 #17B
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6597.0ft (AWS 730)
Site:	SEC 17-T31N-R7W	**MD Reference:**	DFE @ 6597.0ft (AWS 730)
Well:	SJ 32-7 #17B	**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 17-T31N-R7W				
Site Position:		**Northing:**	2,148,553.07 ft	**Latitude:**	36° 54' 15.789 N
From:	Lat/Long	**Easting:**	571,812.84 ft	**Longitude:**	107° 35' 15.789 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	0.15 °

Well	SJ 32-7 #17B, S-Type MV/DK Well					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,148,589.23 ft	**Latitude:**	36° 54' 16.147 N
	+E/-W	0.0 ft	**Easting:**	571,812.75 ft	**Longitude:**	107° 35' 15.789 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,582.0 ft

Wellbore	Original Hole			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	6/24/2010	9.95	63.70	50,951

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	275.12	

Survey Program **Date** 8/11/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
261.0	3,843.0	Actual (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
261.0	1.21	70.43	261.0	0.9	2.6	-2.5	0.46	0.46	0.00
322.0	0.79	42.69	322.0	1.4	3.5	-3.3	1.03	-0.69	-45.48
384.0	0.65	259.50	384.0	1.7	3.4	-3.3	2.20	-0.23	-230.95
446.0	2.08	261.58	446.0	1.5	2.0	-1.8	2.31	2.31	3.35
507.0	4.08	277.67	506.9	1.6	-1.3	1.4	3.54	3.28	26.38
569.0	6.03	283.65	568.6	2.7	-6.6	6.8	3.25	3.15	9.65
631.0	7.83	284.57	630.2	4.5	-13.9	14.2	2.91	2.90	1.48
693.0	9.34	283.92	691.5	6.8	-22.8	23.4	2.44	2.44	-1.05
754.0	10.43	282.78	751.6	9.2	-33.0	33.7	1.82	1.79	-1.87
816.0	12.17	281.57	812.4	11.7	-44.9	45.8	2.83	2.81	-1.95
877.0	13.35	279.07	871.8	14.1	-58.2	59.2	2.14	1.93	-4.10
942.0	14.56	275.45	934.9	16.1	-73.7	74.9	2.29	1.86	-5.57

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-7 #17B
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6597.0ft (AWS 730)
Site:	SEC 17-T31N-R7W	**MD Reference:**	DFE @ 6597.0ft (AWS 730)
Well:	SJ 32-7 #17B	**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)
1,005.0	15.63	275.69	995.8	17.7	-90.0	91.3	1.70	1.70	0.38
1,068.0	16.56	277.40	1,056.3	19.7	-107.4	108.7	1.66	1.48	2.71
1,132.0	17.59	277.64	1,117.5	22.1	-126.0	127.5	1.61	1.61	0.38
1,195.0	17.47	276.38	1,177.5	24.5	-144.9	146.5	0.63	-0.19	-2.00
1,258.0	18.19	277.46	1,237.5	26.8	-164.0	165.7	1.26	1.14	1.71
1,321.0	19.17	275.93	1,297.2	29.1	-184.0	185.9	1.74	1.56	-2.43
1,384.0	20.46	276.71	1,356.5	31.5	-205.3	207.3	2.09	2.05	1.24
1,447.0	21.26	276.10	1,415.3	34.0	-227.6	229.7	1.32	1.27	-0.97
1,511.0	22.68	275.46	1,474.7	36.4	-251.4	253.6	2.25	2.22	-1.00
1,574.0	23.31	275.25	1,532.7	38.7	-275.9	278.2	1.01	1.00	-0.33
1,638.0	23.58	274.68	1,591.4	40.9	-301.3	303.7	0.55	0.42	-0.89
1,701.0	24.55	273.96	1,648.9	42.8	-326.9	329.4	1.61	1.54	-1.14
1,764.0	25.34	273.61	1,706.0	44.6	-353.4	355.9	1.28	1.25	-0.56
1,827.0	25.17	273.15	1,763.0	46.2	-380.2	382.8	0.41	-0.27	-0.73
1,890.0	24.88	274.09	1,820.1	47.8	-406.8	409.5	0.78	-0.46	1.49
1,953.0	24.89	274.61	1,877.3	49.9	-433.2	436.0	0.35	0.02	0.83
2,016.0	24.71	275.73	1,934.4	52.2	-459.6	462.4	0.80	-0.29	1.78
2,079.0	25.39	274.84	1,991.5	54.7	-486.1	489.1	1.23	1.08	-1.41
2,142.0	25.34	274.08	2,048.4	56.8	-513.0	516.0	0.52	-0.08	-1.21
2,205.0	25.20	274.04	2,105.4	58.7	-539.8	542.9	0.22	-0.22	-0.06
2,267.0	25.46	274.56	2,161.5	60.7	-566.3	569.5	0.55	0.42	0.84
2,330.0	25.96	274.59	2,218.2	62.9	-593.5	596.8	0.79	0.79	0.05
2,393.0	25.04	275.59	2,275.1	65.3	-620.6	623.9	1.61	-1.46	1.59
2,456.0	24.16	276.70	2,332.4	68.1	-646.6	650.1	1.58	-1.40	1.76
2,520.0	24.50	276.48	2,390.7	71.1	-672.8	676.5	0.55	0.53	-0.34
2,583.0	24.97	275.68	2,447.9	73.9	-699.0	702.8	0.92	0.75	-1.27
2,646.0	24.96	275.71	2,505.0	76.5	-725.5	729.4	0.03	-0.02	0.05
2,709.0	25.63	276.17	2,562.0	79.3	-752.3	756.3	1.11	1.06	0.73
2,771.0	25.93	275.82	2,617.8	82.1	-779.1	783.3	0.54	0.48	-0.56
2,834.0	25.90	274.24	2,674.5	84.5	-806.5	810.8	1.10	-0.05	-2.51
2,898.0	26.47	274.82	2,731.9	86.8	-834.7	839.1	0.98	0.89	0.91
2,961.0	25.43	274.17	2,788.5	88.9	-862.1	866.6	1.71	-1.65	-1.03
3,024.0	24.52	274.30	2,845.7	90.9	-888.7	893.2	1.45	-1.44	0.21
3,087.0	23.48	273.00	2,903.2	92.5	-914.2	918.9	1.85	-1.65	-2.06
3,150.0	21.50	272.58	2,961.4	93.7	-938.3	942.9	3.15	-3.14	-0.67
3,212.0	19.39	275.96	3,019.5	95.3	-959.9	964.6	3.90	-3.40	5.45
3,275.0	16.26	277.33	3,079.5	97.5	-979.1	983.9	5.01	-4.97	2.17
3,338.0	14.66	274.75	3,140.2	99.3	-995.7	1,000.6	2.76	-2.54	-4.10
3,401.0	13.20	269.64	3,201.3	99.9	-1,010.9	1,015.8	3.03	-2.32	-8.11
3,464.0	11.08	265.38	3,262.9	99.4	-1,024.1	1,028.9	3.65	-3.37	-6.76
3,528.0	8.93	260.94	3,326.0	98.1	-1,035.2	1,039.8	3.57	-3.36	-6.94
3,591.0	7.86	263.30	3,388.3	96.8	-1,044.3	1,048.7	1.78	-1.70	3.75
3,654.0	6.52	268.48	3,450.8	96.2	-1,052.1	1,056.5	2.36	-2.13	8.22
3,717.0	5.30	268.62	3,513.4	96.1	-1,058.6	1,062.9	1.94	-1.94	0.22
3,779.0	4.16	267.56	3,575.2	95.9	-1,063.7	1,068.0	1.84	-1.84	-1.71
3,843.0	2.69	266.72	3,639.1	95.7	-1,067.5	1,071.8	2.30	-2.30	-1.31