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	2 Pool Code	3 Pool Name
30-045-30985	71629	BASIN FRUITLAND COAL

4 Property Code	5 Property Name	6 Well Number
9261	SAN JUAN 32-8 UNIT	264 LATERAL

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6718

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	32-N	8-W		2469	SOUTH	663	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

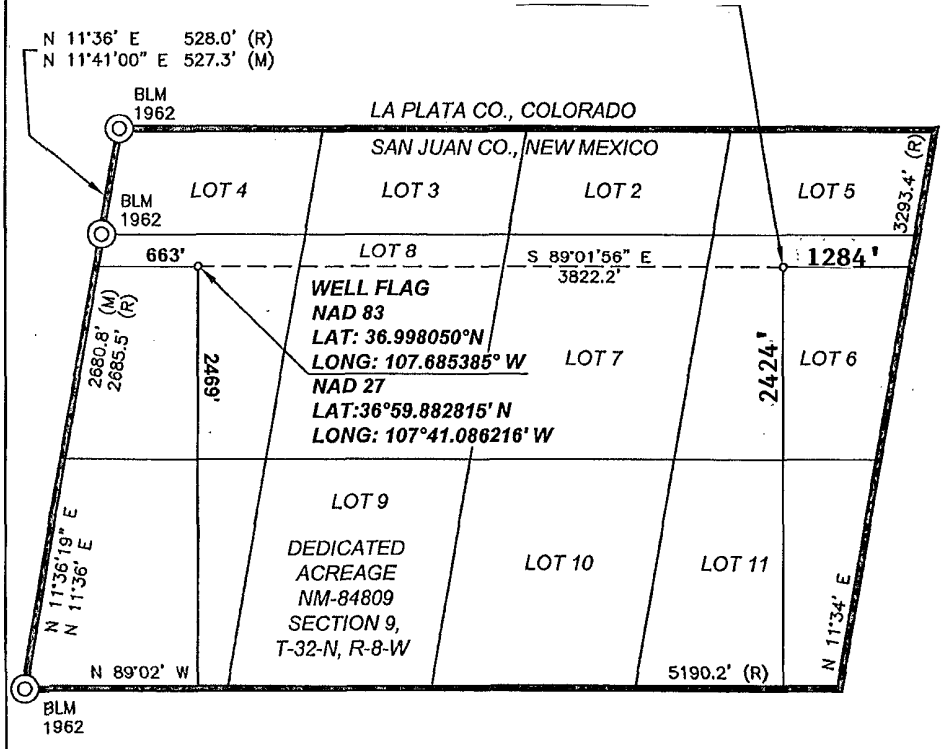
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	9	32-N	8-W		2424	SOUTH	1284	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
382.84			R-3817

RCVD NOV 5 '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

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

Crystal Tafoya 11/3/10
Signature

Crystal Tafoya 11/3/10
Printed Name

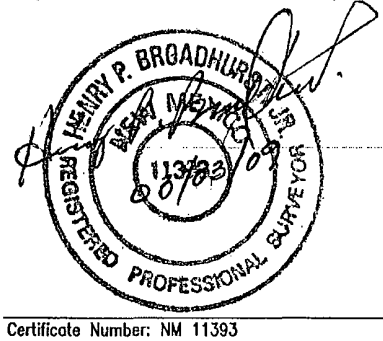
Staff Regulatory Tech
Title and E-mail Address

November 3, 2010
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: 1/29/09
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

ConocoPhillips

COP Deviation Report

SAN JUAN 32-8 UNIT #264H

RCVD NOV 5'10
OIL CONS. DIV.
DIST. 3

Operator	Legal WellName	API / UWI	County	State/Province
CONOCOPHILLIPS	SAN JUAN 32-8 UNIT #264H	3004530985	SAN JUAN	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
009-032N-008W-L	2,469.16	FSL	663.06	FWL

Survey Data

Date	MD (ftOther Elev)	Incl (°)	Method	Survey Company
8/2/2010	2.00	0.00	IncAzi-WL	Scientific Drilling
8/2/2010	102.00	0.44	IncAzi-WL	Scientific Drilling
8/2/2010	202.00	0.63	IncAzi-WL	Scientific Drilling
5/28/2002	221.00	0.75	Inc-Drop	
8/2/2010	302.00	0.72	IncAzi-WL	Scientific Drilling
8/2/2010	402.00	0.75	IncAzi-WL	Scientific Drilling
8/2/2010	502.00	0.68	IncAzi-WL	Scientific Drilling
8/2/2010	602.00	0.44	IncAzi-WL	Scientific Drilling
5/29/2002	693.00	0.50	IN	
8/2/2010	702.00	0.37	IncAzi-WL	Scientific Drilling
8/2/2010	802.00	0.01	IncAzi-WL	Scientific Drilling
8/2/2010	902.00	0.23	IncAzi-WL	Scientific Drilling
8/2/2010	1,002.00	0.57	IncAzi-WL	Scientific Drilling
8/2/2010	1,102.00	0.61	IncAzi-WL	Scientific Drilling
5/29/2002	1,190.00	0.75	IN	
8/2/2010	1,202.00	0.68	IncAzi-WL	Scientific Drilling
8/2/2010	1,302.00	0.89	IncAzi-WL	Scientific Drilling
8/2/2010	1,402.00	0.94	IncAzi-WL	Scientific Drilling
8/2/2010	1,502.00	0.96	IncAzi-WL	Scientific Drilling
8/2/2010	1,602.00	0.82	IncAzi-WL	Scientific Drilling
5/30/2002	1,685.00	1.00	IN	
8/2/2010	1,702.00	0.81	IncAzi-WL	Scientific Drilling
8/2/2010	1,802.00	0.70	IncAzi-WL	Scientific Drilling
8/2/2010	1,902.00	0.66	IncAzi-WL	Scientific Drilling
8/2/2010	2,002.00	0.44	IncAzi-WL	Scientific Drilling
8/2/2010	2,102.00	0.42	IncAzi-WL	Scientific Drilling
5/30/2002	2,185.00	0.50	IN	
8/2/2010	2,202.00	0.44	IncAzi-WL	Scientific Drilling
8/2/2010	2,302.00	0.73	IncAzi-WL	Scientific Drilling
8/2/2010	2,402.00	1.03	IncAzi-WL	Scientific Drilling
8/2/2010	2,502.00	0.72	IncAzi-WL	Scientific Drilling
8/2/2010	2,602.00	0.92	IncAzi-WL	Scientific Drilling
5/30/2002	2,681.00	1.00	IN	
8/2/2010	2,702.00	0.77	IncAzi-WL	Scientific Drilling
8/2/2010	2,802.00	0.65	IncAzi-WL	Scientific Drilling
8/2/2010	2,902.00	0.85	IncAzi-WL	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.

_____

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Report Printed: 10/15/2010

ConocoPhillips

COP Deviation Report

SAN JUAN 32-8 UNIT #264H

Survey Data

Date	MD (ftOther Elev)	Incl (°)	Method	Survey Company
8/31/2010	3,000.00	0.46	IncAzi-MWD	Scientific Drilling
8/2/2010	3,002.00	0.46	IncAzi-WL	Scientific Drilling
8/31/2010	3,081.00	2.20	IncAzi-MWD	Scientific Drilling
8/2/2010	3,102.00	0.59	IncAzi-WL	Scientific Drilling
8/31/2010	3,112.00	6.77	IncAzi-MWD	Scientific Drilling
8/31/2010	3,144.00	13.11	IncAzi-MWD	Scientific Drilling
8/31/2010	3,175.00	18.91	IncAzi-MWD	Scientific Drilling
8/31/2010	3,187.00	21.81	IncAzi-MWD	Scientific Drilling
8/2/2010	3,202.00	0.79	IncAzi-WL	Scientific Drilling
8/31/2010	3,218.00	27.08	IncAzi-MWD	Scientific Drilling
9/1/2010	3,250.00	32.16	IncAzi-MWD	Scientific Drilling
5/31/2002	3,272.00	0.50	IN	
9/1/2010	3,313.00	41.67	IncAzi-MWD	Scientific Drilling
9/1/2010	3,345.00	49.21	IncAzi-MWD	Scientific Drilling
9/1/2010	3,376.00	57.32	IncAzi-MWD	Scientific Drilling
9/1/2010	3,408.00	64.69	IncAzi-MWD	Scientific Drilling
9/2/2010	3,426.00	68.60	IncAzi-MWD	Scientific Drilling
9/2/2010	3,457.00	76.75	IncAzi-MWD	Scientific Drilling
9/2/2010	3,489.00	80.23	IncAzi-MWD	Scientific Drilling
9/2/2010	3,520.00	81.35	IncAzi-MWD	Scientific Drilling
9/2/2010	3,552.00	82.96	IncAzi-MWD	Scientific Drilling
9/2/2010	3,584.00	85.05	IncAzi-MWD	Scientific Drilling
9/2/2010	3,615.00	87.17	IncAzi-MWD	Scientific Drilling
9/2/2010	3,647.00	89.93	IncAzi-MWD	Scientific Drilling
9/2/2010	3,678.00	90.87	IncAzi-MWD	Scientific Drilling
9/2/2010	3,710.00	91.21	IncAzi-MWD	Scientific Drilling
9/2/2010	3,742.00	91.01	IncAzi-MWD	Scientific Drilling
9/2/2010	3,773.00	90.94	IncAzi-MWD	Scientific Drilling
9/2/2010	3,805.00	89.66	IncAzi-MWD	Scientific Drilling
9/2/2010	3,836.00	90.13	IncAzi-MWD	Scientific Drilling
9/2/2010	3,868.00	90.87	IncAzi-MWD	Scientific Drilling
9/2/2010	3,900.00	91.55	IncAzi-MWD	Scientific Drilling
9/2/2010	3,932.00	90.34	IncAzi-MWD	Scientific Drilling
9/2/2010	3,963.00	90.74	IncAzi-MWD	Scientific Drilling
9/2/2010	3,995.00	89.80	IncAzi-MWD	Scientific Drilling
9/2/2010	4,026.00	89.83	IncAzi-MWD	Scientific Drilling
9/2/2010	4,059.00	90.37	IncAzi-MWD	Scientific Drilling
9/2/2010	4,089.00	91.08	IncAzi-MWD	Scientific Drilling
9/2/2010	4,120.00	90.91	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.

_____

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Report Printed: 10/15/2010

ConocoPhillips

COP Deviation Report

SAN JUAN 32-8 UNIT #264H

Survey Data

Date	MD (ftOther Elev)	Incl (°)	Method	Survey Company
9/2/2010	4,150.00	90.44	IncAzi-MWD	Scientific Drilling
9/2/2010	4,181.00	90.54	IncAzi-MWD	Scientific Drilling
9/2/2010	4,212.00	89.60	IncAzi-MWD	Scientific Drilling
9/3/2010	4,242.00	89.73	IncAzi-MWD	Scientific Drilling
9/3/2010	4,273.00	89.66	IncAzi-MWD	Scientific Drilling
9/3/2010	4,304.00	89.60	IncAzi-MWD	Scientific Drilling
9/3/2010	4,334.00	90.61	IncAzi-MWD	Scientific Drilling
9/3/2010	4,365.00	90.40	IncAzi-MWD	Scientific Drilling
9/3/2010	4,395.00	90.91	IncAzi-MWD	Scientific Drilling
9/3/2010	4,426.00	92.22	IncAzi-MWD	Scientific Drilling
9/3/2010	4,457.00	93.03	IncAzi-MWD	Scientific Drilling
9/3/2010	4,487.00	92.45	IncAzi-MWD	Scientific Drilling
9/3/2010	4,518.00	91.04	IncAzi-MWD	Scientific Drilling
9/3/2010	4,548.00	91.41	IncAzi-MWD	Scientific Drilling
9/3/2010	4,579.00	90.37	IncAzi-MWD	Scientific Drilling
9/3/2010	4,609.00	91.11	IncAzi-MWD	Scientific Drilling
9/3/2010	4,640.00	89.73	IncAzi-MWD	Scientific Drilling
9/3/2010	4,670.00	90.13	IncAzi-MWD	Scientific Drilling
9/3/2010	4,701.00	90.91	IncAzi-MWD	Scientific Drilling
9/3/2010	4,731.00	90.67	IncAzi-MWD	Scientific Drilling
9/3/2010	4,762.00	89.80	IncAzi-MWD	Scientific Drilling
9/3/2010	4,793.00	90.50	IncAzi-MWD	Scientific Drilling
9/3/2010	4,823.00	90.60	IncAzi-MWD	Scientific Drilling
9/3/2010	4,854.00	89.97	IncAzi-MWD	Scientific Drilling
9/3/2010	4,885.00	89.16	IncAzi-MWD	Scientific Drilling
9/3/2010	4,915.00	89.50	IncAzi-MWD	Scientific Drilling
9/3/2010	4,946.00	90.07	IncAzi-MWD	Scientific Drilling
9/3/2010	4,977.00	90.50	IncAzi-MWD	Scientific Drilling
9/3/2010	5,007.00	91.08	IncAzi-MWD	Scientific Drilling
9/3/2010	5,038.00	91.44	IncAzi-MWD	Scientific Drilling
9/3/2010	5,068.00	91.08	IncAzi-MWD	Scientific Drilling
9/3/2010	5,099.00	91.55	IncAzi-MWD	Scientific Drilling
9/3/2010	5,129.00	91.11	IncAzi-MWD	Scientific Drilling
9/3/2010	5,160.00	89.53	IncAzi-MWD	Scientific Drilling
9/3/2010	5,190.00	90.13	IncAzi-MWD	Scientific Drilling
9/3/2010	5,221.00	90.81	IncAzi-MWD	Scientific Drilling
9/3/2010	5,251.00	91.58	IncAzi-MWD	Scientific Drilling
9/3/2010	5,282.00	90.97	IncAzi-MWD	Scientific Drilling
9/3/2010	5,312.00	90.03	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.

_____

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

ConocoPhillips

COP Deviation Report

SAN JUAN 32-8 UNIT #264H

Survey Data

Date	MD (ftOther Elev)	Incl (°)	Method	Survey Company
9/3/2010	5,343.00	88.82	IncAzi-MWD	Scientific Drilling
9/3/2010	5,374.00	88.12	IncAzi-MWD	Scientific Drilling
9/3/2010	5,404.00	88.42	IncAzi-MWD	Scientific Drilling
9/4/2010	5,435.00	88.59	IncAzi-MWD	Scientific Drilling
9/4/2010	5,465.00	88.96	IncAzi-MWD	Scientific Drilling
9/4/2010	5,480.00	88.82	IncAzi-MWD	Scientific Drilling
9/4/2010	5,496.00	89.80	IncAzi-MWD	Scientific Drilling
9/4/2010	5,527.00	90.94	IncAzi-MWD	Scientific Drilling
9/4/2010	5,559.00	92.19	IncAzi-MWD	Scientific Drilling
9/4/2010	5,590.00	92.59	IncAzi-MWD	Scientific Drilling
9/4/2010	5,622.00	92.18	IncAzi-MWD	Scientific Drilling
9/4/2010	5,653.00	91.95	IncAzi-MWD	Scientific Drilling
9/4/2010	5,685.00	89.60	IncAzi-MWD	Scientific Drilling
9/4/2010	5,716.00	88.49	IncAzi-MWD	Scientific Drilling
9/4/2010	5,748.00	88.02	IncAzi-MWD	Scientific Drilling
9/4/2010	5,811.00	89.79	IncAzi-MWD	Scientific Drilling
9/4/2010	5,843.00	90.50	IncAzi-MWD	Scientific Drilling
9/4/2010	5,875.00	91.58	IncAzi-MWD	Scientific Drilling
9/4/2010	5,907.00	92.69	IncAzi-MWD	Scientific Drilling
9/4/2010	5,938.00	91.45	IncAzi-MWD	Scientific Drilling
9/4/2010	5,969.00	91.01	IncAzi-MWD	Scientific Drilling
9/4/2010	6,001.00	91.18	IncAzi-MWD	Scientific Drilling
9/4/2010	6,033.00	88.26	IncAzi-MWD	Scientific Drilling
9/4/2010	6,064.00	88.79	IncAzi-MWD	Scientific Drilling
9/4/2010	6,096.00	89.23	IncAzi-MWD	Scientific Drilling
9/4/2010	6,128.00	89.40	IncAzi-MWD	Scientific Drilling
9/4/2010	6,159.00	90.00	IncAzi-MWD	Scientific Drilling
9/4/2010	6,191.00	88.69	IncAzi-MWD	Scientific Drilling
9/4/2010	6,223.00	88.39	IncAzi-MWD	Scientific Drilling
9/4/2010	6,254.00	89.66	IncAzi-MWD	Scientific Drilling
9/4/2010	6,286.00	89.97	IncAzi-MWD	Scientific Drilling
9/4/2010	6,317.00	89.93	IncAzi-MWD	Scientific Drilling
9/4/2010	6,349.00	90.31	IncAzi-MWD	Scientific Drilling
9/4/2010	6,380.00	90.50	IncAzi-MWD	Scientific Drilling
9/4/2010	6,412.00	90.81	IncAzi-MWD	Scientific Drilling
9/4/2010	6,443.00	90.10	IncAzi-MWD	Scientific Drilling
9/4/2010	6,474.00	90.54	IncAzi-MWD	Scientific Drilling
9/4/2010	6,506.00	91.61	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.**

Tami Dahnke

Subcribed and sworn to me this November 3, 2010

Crystal L. Tafoya

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

Report Printed: 10/15/2010

API # 30-045-30985

ConocoPhillips

Schematic - Current

SAN JUAN 32-8 UNIT #264H

District	Field Name	API / UWI	County	State/Province
NORTH	BASIN FRUITLAND COAL	3004530985	SAN JUAN	NEW MEXICO

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
5/27/2002	009-032N-008W-L	663.06	FWL	2,469.16	FSL

Well Config: MULTIPLE LATERALS - Original Hole, 11/3/2010 9:55:07 AM

ftOther Elev (MD)	Schematic - Actual
-13	
2	
9	
15	
21	1-1, LANDING JOINT, 9 5/8, 9.001, 15, 5.7
27	
231	1-2, CASING - SURFACE, 9 5/8, 9.001, 21, 210.3
232	1-3, GUIDE SHOE, 9 5/8, 9.001, 231, 1.0
893	
2,268	2-1, Tubing, 2 3/8, 1.780, 15, 3,252.7
3,062	4-1, Casing Joints, 4 1/2, 4.000, 3,062 4-2, HOOK HANGER, 4 1/2, 4.000, 3,062, 22.6
3,127	
3,173	
3,261	2-1, CASING -INTERMEDIATE, 7, 6.456, 15, 3,246.0
3,262	2-2, FLOAT COLLAR, 7, 6.456, 3,261, 1.0
3,268	2-2, Pup Jt/ Marker, 2 3/8, 1.780, 3,268, 1.9
3,270	
3,275	
3,277	
3,277	
3,280	3-1, HANGER, 5 1/2, 4.950, 3,275, 4.8 2-3, Tubing, 2 3/8, 1.780, 3,270, 30.6
3,299	
3,300	
3,301	2-4, F Nipple, 2 3/8, 1.780, 3,300, 1.1
3,303	2-3, CASING -INTERMEDIATE, 7, 6.456, 3,262, 41.0
3,304	2-4, GUIDE SHOE, 7, 6.456, 3,303, 1.0
3,308	
3,312	
3,314	2-5, Patterson Gas Anchor, 2 3/8, 1.995, 3,301, 31.5
3,324	
3,333	
3,333	2-6, Bull Plug, 2 3/8, 1.995, 3,333, 0.6
3,411	Slotted Liner, 3,314-3,411, 8/18/2002
3,454	3-3, Bit Sub, 6 1/4, 3,454 3-2, CSG, 5 1/2, 4.950, 3,280, 174.1
3,455	3-4, BIT & BIT SUB, 6 1/4, 3,454, 1.0

RCVD NOV 5 '10
OIL CONS. DIV.
DIST. 3

API # 30-045-30985

ConocoPhillips

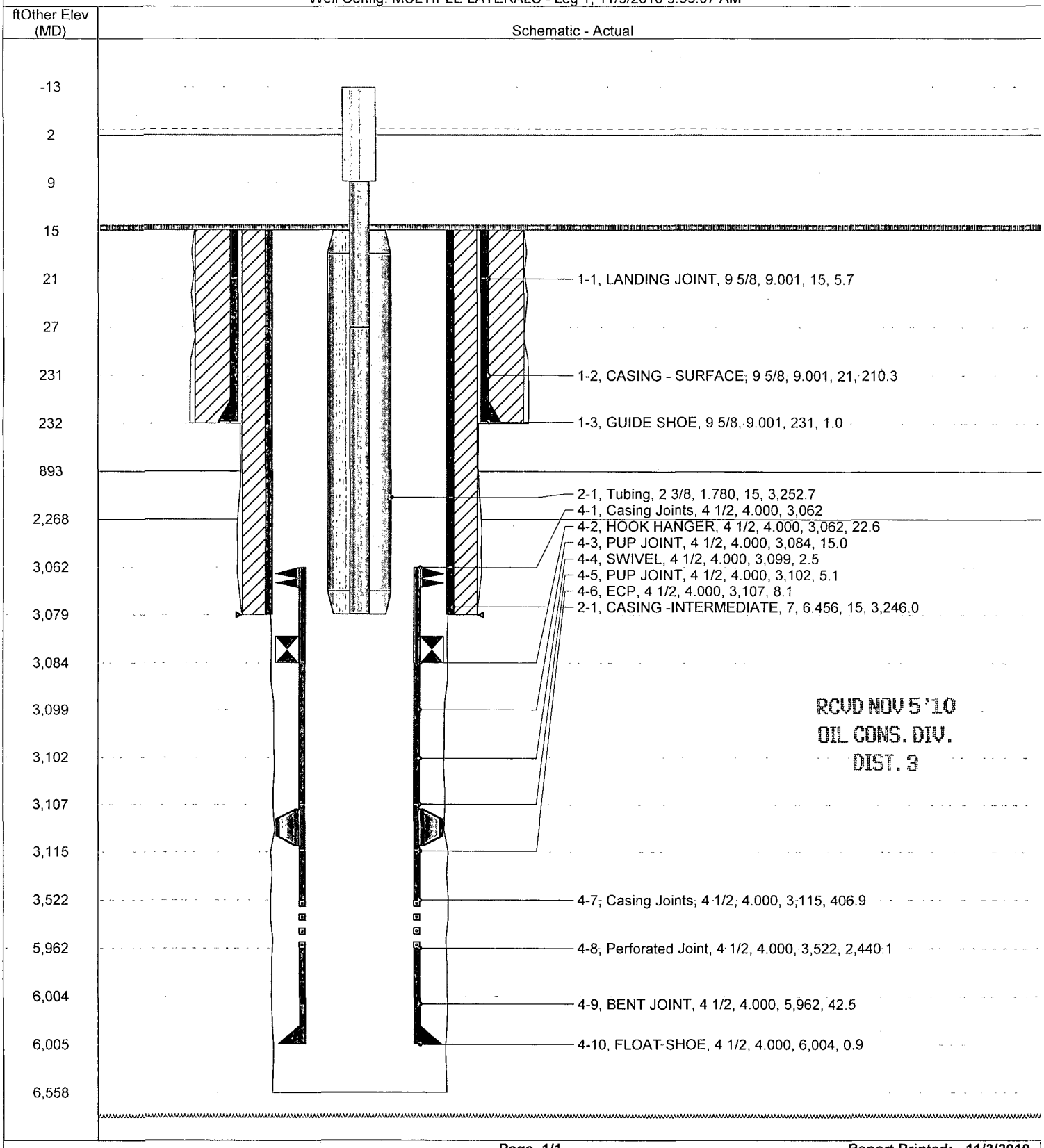
Schematic - Current

SAN JUAN 32-8 UNIT #264H

District	Field Name	API / UWI	County	State/Province
NORTH	BASIN FRUITLAND COAL	3004530985	SAN JUAN	NEW MEXICO

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
5/27/2002	009-032N-008W-L	663.06	FWL	2,469.16	FSL

Well Config: MULTIPLE LATERALS - Leg 1, 11/3/2010 9:55:07 AM



RCVD NOV 5'10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)
SEC 09-T32N-R8W
SJ 32-8 #264H
Original Hole

SDI Standard Survey Report

13 October, 2010

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

Notorized this date 13th of October, 2010.

Notary Signature
County of Midland
State of Texas

CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 09-T32N-R8W
Well: SJ 32-8 #264H
Wellbore: Lateral OH
Design: As Drilled

ConocoPhillips

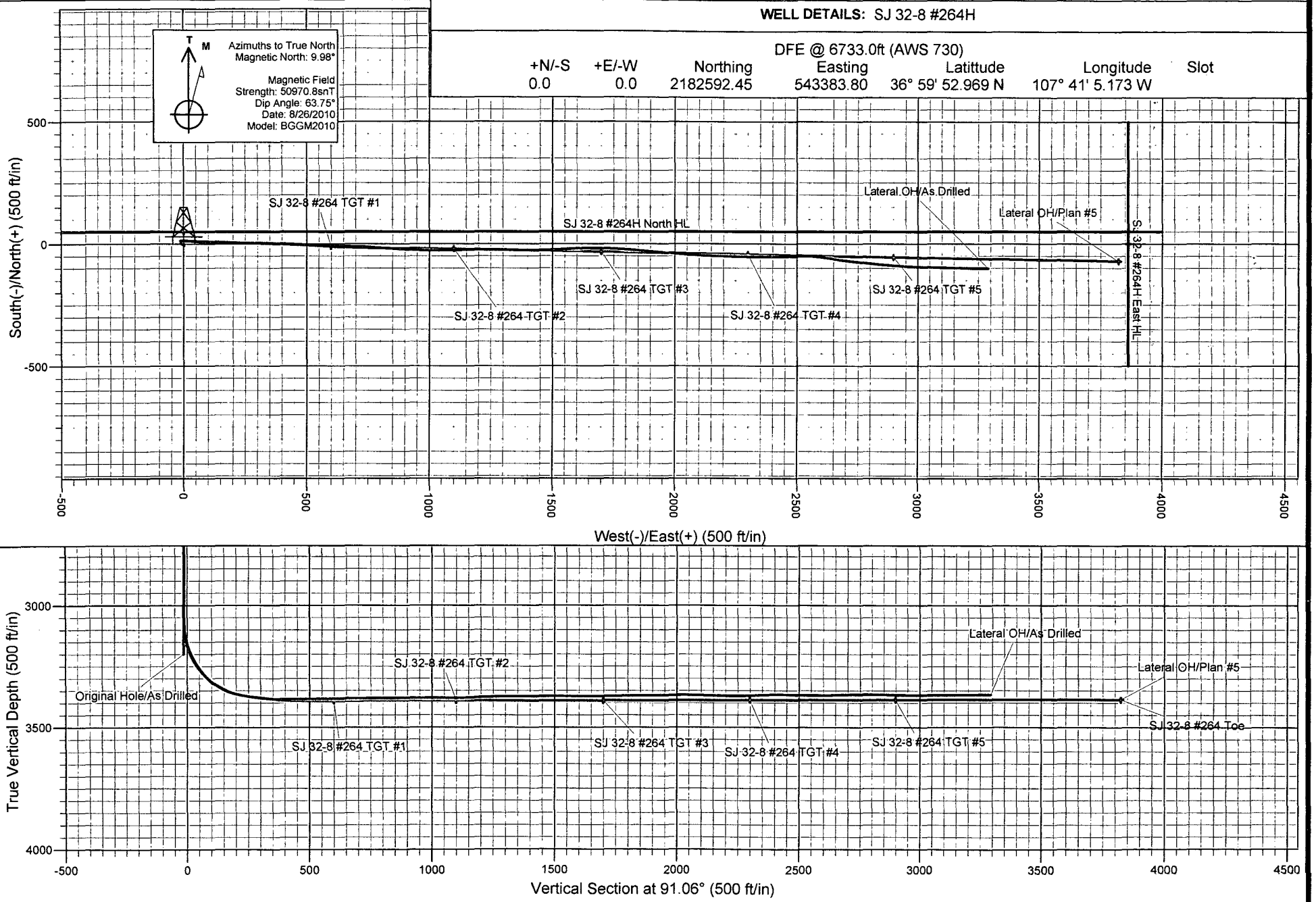
WELL DETAILS: SJ 32-8 #264H

DFE @ 6733.0ft (AWS 730)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2182592.45	543383.80	36° 59' 52.969 N	107° 41' 5.173 W	

Azimuths to True North
Magnetic North: 9.98°

Magnetic Field
Strength: 50970.8snT
Dip Angle: 63.75°
Date: 8/26/2010
Model: BGGM2010



Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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-T32N-R8W				
Site Position:		**Northing:**	2,182,592.45 ft	**Latitude:**	36° 59' 52.969 N
From:	Lat/Long	**Easting:**	543,383.80 ft	**Longitude:**	107° 41' 5.173 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	0.09 °

Well	SJ 32-8 #264H, Re-entry CBM HZ					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,182,592.45 ft	**Latitude:**	36° 59' 52.969 N
	+E/-W	0.0 ft	**Easting:**	543,383.80 ft	**Longitude:**	107° 41' 5.173 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,718.0 ft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	9/17/2009	10.09	63.75	51,092

Design	As Drilled				
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	312.85	

Survey Program **Date** 10/13/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.0	3,200.0	SDI Gyro (Original Hole)	Standard Keeper	Standard Wireline Keeper ver 1.0.2

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
100.0	0.44	170.71	100.0	-0.4	0.1	170.71	0.4
200.0	0.63	169.80	200.0	-1.3	0.2	170.33	1.3
300.0	0.72	158.79	300.0	-2.4	0.5	167.32	2.5
400.0	0.75	172.61	400.0	-3.7	0.9	166.82	3.8
500.0	0.68	170.08	500.0	-4.9	1.0	167.96	5.0
600.0	0.44	171.33	600.0	-5.9	1.2	168.39	6.0
700.0	0.37	172.59	700.0	-6.6	1.3	168.76	6.7
800.0	0.01	287.20	800.0	-6.9	1.3	169.00	7.0
900.0	0.23	328.19	900.0	-6.7	1.2	169.66	6.8
1,000.0	0.57	343.13	1,000.0	-6.1	1.0	170.88	6.1
1,100.0	0.61	347.75	1,100.0	-5.1	0.7	171.95	5.1

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	edmCOP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
1,200.0	0.68	327.57	1,199.9	-4.0	0.3	175.98	4.0
1,300.0	0.89	304.39	1,299.9	-3.1	-0.7	192.29	3.2
1,400.0	0.94	298.01	1,399.9	-2.3	-2.0	221.88	3.1
1,500.0	0.96	293.47	1,499.9	-1.6	-3.5	246.22	3.9
1,600.0	0.82	283.71	1,599.9	-1.1	-5.0	258.10	5.1
1,700.0	0.81	277.52	1,699.9	-0.8	-6.4	262.95	6.4
1,800.0	0.70	287.04	1,799.9	-0.5	-7.7	266.13	7.7
1,900.0	0.66	305.37	1,899.9	0.0	-8.7	269.95	8.7
2,000.0	0.44	320.13	1,999.9	0.6	-9.4	273.76	9.5
2,100.0	0.42	330.39	2,099.9	1.2	-9.9	277.13	10.0
2,200.0	0.44	338.00	2,199.9	1.9	-10.2	280.60	10.4
2,300.0	0.73	334.15	2,299.9	2.8	-10.6	284.96	11.0
2,400.0	1.03	345.17	2,399.8	4.3	-11.1	291.04	11.9
2,500.0	0.72	1.42	2,499.8	5.8	-11.3	296.99	12.7
2,600.0	0.92	1.62	2,599.8	7.2	-11.3	302.52	13.4
2,700.0	0.77	342.30	2,699.8	8.7	-11.5	306.99	14.4
2,800.0	0.65	334.60	2,799.8	9.8	-11.9	309.40	15.4
2,900.0	0.85	324.14	2,899.8	10.9	-12.6	310.88	16.7
3,000.0	0.46	343.57	2,999.8	11.9	-13.2	312.13	17.7
3,100.0	0.59	330.28	3,099.8	12.7	-13.5	313.27	18.6
3,200.0	0.79	287.82	3,199.8	13.4	-14.4	312.85	19.7

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Lateral OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral OH	**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-T32N-R8W				
Site Position:		**Northing:**	2,182,592.45 ft	**Latitude:**	36° 59' 52.969 N
From:	Lat/Long	**Easting:**	543,383.80 ft	**Longitude:**	107° 41' 5.173 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	0.09 °

Well	SJ 32-8 #264H, Re-entry CBM HZ					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,182,592.45 ft	**Latitude:**	36° 59' 52.969 N
	+E/-W	0.0 ft	**Easting:**	543,383.80 ft	**Longitude:**	107° 41' 5.173 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,718.0 ft

Wellbore	Lateral OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	8/26/2010	9.98	63.75	50,971

Design	Lateral OH				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	3,000.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	91.76

Survey Program **Date** 10/13/2010

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
100.0	3,000.0	SDI Gyro (Original Hole)	Standard Keeper	Standard Wireline Keeper ver 1.0.2
3,081.0	6,506.0	Actual (Lateral OH)	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)**
3,000.0	0.46	343.57	2,999.8	11.9	-13.2	312.13	17.7
3,081.0	2.20	63.98	3,080.8	12.9	-11.9	317.41	17.5
3,112.0	6.77	84.99	3,111.7	13.3	-9.5	324.50	16.4
3,144.0	13.11	89.03	3,143.2	13.5	-4.0	343.61	14.1
3,175.0	18.91	91.85	3,173.0	13.4	4.6	18.74	14.2
3,187.0	21.80	92.96	3,184.2	13.3	8.7	33.35	15.9
3,218.0	27.08	96.05	3,212.4	12.2	21.5	60.39	24.7
3,250.0	32.16	96.13	3,240.2	10.5	37.2	74.19	38.7
3,313.0	41.67	95.08	3,290.5	6.9	74.8	84.74	75.2
3,345.0	49.21	94.98	3,313.0	4.9	97.5	87.13	97.7
3,376.0	57.32	93.99	3,331.5	3.0	122.3	88.61	122.3

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Lateral OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral OH	**Database:**	edmCOP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
3,408.0	64.69	90.50	3,347.0	1.9	150.2	89.28	150.2
3,426.0	68.60	87.81	3,354.1	2.1	166.7	89.26	166.8
3,457.0	76.75	88.89	3,363.4	3.0	196.3	89.13	196.3
3,489.0	80.23	89.62	3,369.8	3.4	227.7	89.14	227.7
3,520.0	81.35	89.87	3,374.7	3.5	258.3	89.22	258.3
3,552.0	82.96	89.67	3,379.1	3.7	290.0	89.28	290.0
3,584.0	85.05	90.43	3,382.4	3.6	321.8	89.35	321.8
3,615.0	87.17	91.85	3,384.5	3.0	352.7	89.51	352.7
3,647.0	89.93	92.43	3,385.3	1.8	384.7	89.73	384.7
3,678.0	90.87	93.06	3,385.1	0.3	415.6	89.95	415.6
3,710.0	91.21	92.21	3,384.5	-1.1	447.6	90.14	447.6
3,742.0	91.01	93.33	3,383.9	-2.7	479.5	90.32	479.5
3,773.0	90.94	92.49	3,383.4	-4.3	510.5	90.48	510.5
3,805.0	89.66	91.82	3,383.2	-5.5	542.5	90.58	542.5
3,836.0	90.13	91.80	3,383.3	-6.4	573.5	90.64	573.5
3,868.0	90.87	91.58	3,383.0	-7.4	605.4	90.70	605.5
3,900.0	91.55	91.29	3,382.3	-8.2	637.4	90.73	637.5
3,932.0	90.34	92.04	3,381.8	-9.1	669.4	90.78	669.5
3,963.0	90.74	92.76	3,381.5	-10.4	700.4	90.85	700.5
3,995.0	89.80	92.91	3,381.4	-12.0	732.3	90.94	732.4
4,026.0	89.83	93.55	3,381.5	-13.7	763.3	91.03	763.4
4,059.0	90.37	93.86	3,381.4	-15.9	796.2	91.14	796.4
4,089.0	91.08	94.04	3,381.0	-17.9	826.1	91.24	826.3
4,120.0	90.91	94.26	3,380.5	-20.2	857.1	91.35	857.3
4,150.0	90.44	93.28	3,380.1	-22.1	887.0	91.43	887.3
4,181.0	90.54	93.05	3,379.9	-23.9	917.9	91.49	918.2
4,212.0	89.60	92.35	3,379.8	-25.3	948.9	91.53	949.2
4,242.0	89.73	91.71	3,380.0	-26.4	978.9	91.54	979.2
4,273.0	89.66	90.87	3,380.2	-27.1	1,009.9	91.54	1,010.2
4,304.0	89.60	88.81	3,380.4	-27.0	1,040.9	91.49	1,041.2
4,334.0	90.61	88.47	3,380.3	-26.3	1,070.9	91.41	1,071.2
4,365.0	90.40	88.47	3,380.0	-25.5	1,101.9	91.32	1,102.1
4,395.0	90.91	88.38	3,379.7	-24.6	1,131.8	91.25	1,132.1
4,426.0	92.22	89.12	3,378.8	-24.0	1,162.8	91.18	1,163.1
4,457.0	93.03	89.71	3,377.4	-23.6	1,193.8	91.13	1,194.0
4,487.0	92.45	90.16	3,376.0	-23.6	1,223.8	91.10	1,224.0
4,518.0	91.04	90.73	3,375.1	-23.8	1,254.7	91.09	1,255.0
4,548.0	91.41	90.95	3,374.4	-24.3	1,284.7	91.08	1,285.0
4,579.0	90.37	90.68	3,373.9	-24.7	1,315.7	91.08	1,315.9
4,609.0	91.11	90.59	3,373.5	-25.1	1,345.7	91.07	1,345.9
4,640.0	89.73	90.94	3,373.3	-25.5	1,376.7	91.06	1,376.9
4,670.0	90.13	90.86	3,373.4	-25.9	1,406.7	91.06	1,406.9
4,701.0	90.91	90.51	3,373.1	-26.3	1,437.7	91.05	1,437.9
4,731.0	90.67	88.71	3,372.7	-26.1	1,467.7	91.02	1,467.9

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Lateral OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral OH	**Database:**	edmCOP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
4,762.0	89.80	86.37	3,372.5	-24.8	1,498.7	90.95	1,498.9
4,793.0	90.50	86.07	3,372.4	-22.7	1,529.6	90.85	1,529.8
4,823.0	90.60	86.66	3,372.2	-20.8	1,559.5	90.77	1,559.7
4,854.0	89.97	88.17	3,372.0	-19.4	1,590.5	90.70	1,590.6
4,885.0	89.16	88.90	3,372.2	-18.6	1,621.5	90.66	1,621.6
4,915.0	89.50	89.08	3,372.6	-18.1	1,651.5	90.63	1,651.6
4,946.0	90.07	89.72	3,372.7	-17.8	1,682.5	90.61	1,682.6
4,977.0	90.50	92.11	3,372.6	-18.3	1,713.5	90.61	1,713.6
5,007.0	91.08	93.10	3,372.1	-19.6	1,743.4	90.65	1,743.6
5,038.0	91.44	93.70	3,371.5	-21.5	1,774.4	90.69	1,774.5
5,068.0	91.08	94.58	3,370.8	-23.7	1,804.3	90.75	1,804.4
5,099.0	91.55	94.75	3,370.1	-26.2	1,835.2	90.82	1,835.4
5,129.0	91.11	94.42	3,369.4	-28.6	1,865.1	90.88	1,865.3
5,160.0	89.53	94.30	3,369.2	-30.9	1,896.0	90.93	1,896.2
5,190.0	90.13	94.34	3,369.3	-33.2	1,925.9	90.99	1,926.2
5,221.0	90.81	95.17	3,369.1	-35.8	1,956.8	91.05	1,957.1
5,251.0	91.58	95.44	3,368.4	-38.5	1,986.7	91.11	1,987.0
5,282.0	90.97	94.83	3,367.7	-41.3	2,017.5	91.17	2,017.9
5,312.0	90.03	94.74	3,367.5	-43.8	2,047.4	91.23	2,047.9
5,343.0	88.82	94.13	3,367.8	-46.2	2,078.3	91.27	2,078.8
5,374.0	88.12	92.04	3,368.6	-47.9	2,109.3	91.30	2,109.8
5,404.0	88.42	91.53	3,369.5	-48.8	2,139.2	91.31	2,139.8
5,435.0	88.59	91.84	3,370.3	-49.7	2,170.2	91.31	2,170.8
5,465.0	88.96	91.66	3,371.0	-50.6	2,200.2	91.32	2,200.8
5,496.0	89.80	91.99	3,371.3	-51.6	2,231.2	91.33	2,231.8
5,527.0	90.94	91.71	3,371.1	-52.6	2,262.2	91.33	2,262.8
5,559.0	92.19	90.90	3,370.2	-53.3	2,294.1	91.33	2,294.8
5,590.0	92.59	90.35	3,368.9	-53.7	2,325.1	91.32	2,325.7
5,622.0	92.18	89.45	3,367.6	-53.6	2,357.1	91.30	2,357.7
5,653.0	91.95	89.05	3,366.5	-53.2	2,388.1	91.28	2,388.6
5,685.0	89.60	88.83	3,366.1	-52.6	2,420.0	91.25	2,420.6
5,716.0	88.49	89.16	3,366.6	-52.1	2,451.0	91.22	2,451.6
5,748.0	88.02	88.65	3,367.5	-51.5	2,483.0	91.19	2,483.5
5,780.0	88.82	88.45	3,368.4	-50.7	2,515.0	91.15	2,515.5
5,811.0	88.79	90.37	3,369.1	-50.3	2,546.0	91.13	2,546.5
5,843.0	90.50	95.28	3,369.3	-51.9	2,577.9	91.15	2,578.5
5,875.0	91.58	98.20	3,368.7	-55.7	2,609.7	91.22	2,610.3
5,907.0	92.69	99.01	3,367.5	-60.5	2,641.3	91.31	2,642.0
5,938.0	91.45	98.14	3,366.4	-65.1	2,672.0	91.40	2,672.7
5,969.0	91.01	96.80	3,365.7	-69.1	2,702.7	91.46	2,703.6
6,001.0	91.18	96.39	3,365.1	-72.8	2,734.5	91.52	2,735.4
6,033.0	89.26	96.71	3,365.0	-76.4	2,766.3	91.58	2,767.3
6,064.0	88.79	96.07	3,365.5	-79.9	2,797.1	91.64	2,798.2
6,096.0	89.23	94.44	3,366.1	-82.8	2,828.9	91.68	2,830.1
6,128.0	89.40	94.52	3,366.4	-85.3	2,860.8	91.71	2,862.1

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 32-8 #264H
Project:	SJB (NM West)	**TVD Reference:**	DFE @ 6733.0ft (AWS 730)
Site:	SEC 09-T32N-R8W	**MD Reference:**	DFE @ 6733.0ft (AWS 730)
Well:	SJ 32-8 #264H	**North Reference:**	True
Wellbore:	Lateral OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral OH	**Database:**	edmCOP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
6,159.0	90.00	94.58	3,366.6	-87.8	2,891.7	91.74	2,893.0
6,191.0	88.69	94.00	3,367.0	-90.2	2,923.6	91.77	2,925.0
6,223.0	88.39	93.57	3,367.8	-92.3	2,955.5	91.79	2,957.0
6,254.0	89.66	91.73	3,368.3	-93.7	2,986.5	91.80	2,988.0
6,286.0	89.97	91.37	3,368.4	-94.6	3,018.5	91.79	3,020.0
6,317.0	89.83	91.29	3,368.5	-95.3	3,049.5	91.79	3,051.0
6,349.0	90.34	91.58	3,368.4	-96.1	3,081.5	91.79	3,083.0
6,380.0	90.50	91.84	3,368.2	-97.0	3,112.5	91.79	3,114.0
6,412.0	90.81	92.04	3,367.8	-98.1	3,144.4	91.79	3,146.0
6,443.0	90.10	91.01	3,367.6	-98.9	3,175.4	91.78	3,177.0
6,474.0	90.54	90.64	3,367.4	-99.4	3,206.4	91.78	3,208.0
6,506.0	91.61	90.36	3,366.8	-99.7	3,238.4	91.76	3,239.9