

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

AS DRILLED PLAT
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-35048		Pool Code 72319		Pool Name MESA VERDE	
Property Code 7360		Property Name NEWBERRY			Well Number 8B
GRID No.		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			Elevation 6201

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
O	9	31 N	12 W		995	SOUTH	1667	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
J	9	31 N	12 W		1950'	SOUTH	1910'	EAST	SAN JUAN

Dedicated Acres 320.00 (E/2)		Joint or Infill	Consolidation Code	Order No.
--	--	-----------------	--------------------	-----------

RCVD APR 13 '11
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 S 88°35'34" E 2641.84' ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION USA SF-078146		S 88°36'45" E 2644.49' NOTE: BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83. USA SF-078120-A		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: <i>Marie E. Jaramillo</i> Date: 4/8/11 Printed Name: Marie E. Jaramillo	
SECTION 9 NAD 83 LAT: 36.9116153° N LONG: 108.0986938° W NAD 27 LAT: 36°54.69680' N LONG: 108°05.88397' W		1910' N 13°23'09" W 1019.53' 1667' 1950' 995'		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. 6/11/09 Date of Survey Signature and Seal of Professional Surveyor: <i>Marshall W. Linden</i> 17078 Certificate Number	



COP Deviation Report

NEWBERRY #8B

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName NEWBERRY #8B	API / UWI 3004535048	County SAN JUAN	State/Province NEW MEXICO
--	--------------------------------	-------------------------	--------------------	------------------------------

Surface Legal Location 009-031N-012W-O	N/S Dist (ft) 995.00	N/S Ref FSL	E/W Dist (ft) 1,667.00	E/W Ref FEL
---	-------------------------	----------------	---------------------------	----------------

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
3/1/2011	0.00	0.00	IncAzi-MWD	Scientific Drilling
3/1/2011	269.00	0.81	IncAzi-MWD	Scientific Drilling
3/1/2011	299.00	1.31	IncAzi-MWD	Scientific Drilling
3/1/2011	330.00	1.64	IncAzi-MWD	Scientific Drilling
3/1/2011	361.00	2.37	IncAzi-MWD	Scientific Drilling
3/1/2011	392.00	2.87	IncAzi-MWD	Scientific Drilling
3/1/2011	423.00	3.77	IncAzi-MWD	Scientific Drilling
3/1/2011	454.00	4.58	IncAzi-MWD	Scientific Drilling
3/1/2011	484.00	5.03	IncAzi-MWD	Scientific Drilling
3/1/2011	515.00	5.85	IncAzi-MWD	Scientific Drilling
3/1/2011	546.00	6.69	IncAzi-MWD	Scientific Drilling
3/2/2011	576.00	7.71	IncAzi-MWD	Scientific Drilling
3/2/2011	606.00	8.27	IncAzi-MWD	Scientific Drilling
3/2/2011	637.00	8.91	IncAzi-MWD	Scientific Drilling
3/2/2011	668.00	9.70	IncAzi-MWD	Scientific Drilling
3/2/2011	699.00	10.48	IncAzi-MWD	Scientific Drilling
3/2/2011	730.00	11.36	IncAzi-MWD	Scientific Drilling
3/2/2011	760.00	12.56	IncAzi-MWD	Scientific Drilling
3/2/2011	791.00	13.26	IncAzi-MWD	Scientific Drilling
3/2/2011	822.00	14.12	IncAzi-MWD	Scientific Drilling
3/2/2011	855.00	15.22	IncAzi-MWD	Scientific Drilling
3/2/2011	887.00	16.29	IncAzi-MWD	Scientific Drilling
3/2/2011	918.00	17.07	IncAzi-MWD	Scientific Drilling
3/2/2011	950.00	17.94	IncAzi-MWD	Scientific Drilling
3/2/2011	981.00	18.89	IncAzi-MWD	Scientific Drilling
3/2/2011	1,013.00	19.89	IncAzi-MWD	Scientific Drilling
3/2/2011	1,044.00	20.74	IncAzi-MWD	Scientific Drilling
3/2/2011	1,075.00	21.21	IncAzi-MWD	Scientific Drilling
3/2/2011	1,107.00	22.09	IncAzi-MWD	Scientific Drilling
3/2/2011	1,138.00	22.87	IncAzi-MWD	Scientific Drilling
3/2/2011	1,170.00	24.14	IncAzi-MWD	Scientific Drilling
3/2/2011	1,201.00	25.08	IncAzi-MWD	Scientific Drilling
3/2/2011	1,233.00	26.41	IncAzi-MWD	Scientific Drilling
3/2/2011	1,264.00	27.62	IncAzi-MWD	Scientific Drilling
3/2/2011	1,327.00	28.15	IncAzi-MWD	Scientific Drilling

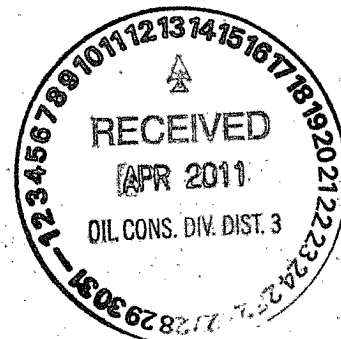
I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

See last page for signatures...

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____





COP Deviation Report

NEWBERRY #8B

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
3/2/2011	1,390.00	28.55	IncAzi-MWD	Scientific Drilling
3/2/2011	1,453.00	28.82	IncAzi-MWD	Scientific Drilling
3/2/2011	1,516.00	28.86	IncAzi-MWD	Scientific Drilling
3/2/2011	1,579.00	29.54	IncAzi-MWD	Scientific Drilling
3/2/2011	1,642.00	29.39	IncAzi-MWD	Scientific Drilling
3/2/2011	1,705.00	29.29	IncAzi-MWD	Scientific Drilling
3/2/2011	1,768.00	29.91	IncAzi-MWD	Scientific Drilling
3/2/2011	1,832.00	30.11	IncAzi-MWD	Scientific Drilling
3/2/2011	1,895.00	29.27	IncAzi-MWD	Scientific Drilling
3/2/2011	1,958.00	28.64	IncAzi-MWD	Scientific Drilling
3/2/2011	2,021.00	28.26	IncAzi-MWD	Scientific Drilling
3/2/2011	2,084.00	28.23	IncAzi-MWD	Scientific Drilling
3/2/2011	2,147.00	28.07	IncAzi-MWD	Scientific Drilling
3/2/2011	2,210.00	27.49	IncAzi-MWD	Scientific Drilling
3/2/2011	2,242.00	27.17	IncAzi-MWD	Scientific Drilling
3/2/2011	2,274.00	26.23	IncAzi-MWD	Scientific Drilling
3/2/2011	2,305.00	25.07	IncAzi-MWD	Scientific Drilling
3/2/2011	2,337.00	24.07	IncAzi-MWD	Scientific Drilling
3/2/2011	2,368.00	22.98	IncAzi-MWD	Scientific Drilling
3/2/2011	2,400.00	22.26	IncAzi-MWD	Scientific Drilling
3/2/2011	2,432.00	21.87	IncAzi-MWD	Scientific Drilling
3/2/2011	2,463.00	21.38	IncAzi-MWD	Scientific Drilling
3/2/2011	2,495.00	20.33	IncAzi-MWD	Scientific Drilling
3/2/2011	2,527.00	19.72	IncAzi-MWD	Scientific Drilling
3/2/2011	2,558.00	19.45	IncAzi-MWD	Scientific Drilling
3/2/2011	2,590.00	19.16	IncAzi-MWD	Scientific Drilling
3/2/2011	2,622.00	18.82	IncAzi-MWD	Scientific Drilling
3/2/2011	2,653.00	18.50	IncAzi-MWD	Scientific Drilling
3/2/2011	2,684.00	17.88	IncAzi-MWD	Scientific Drilling
3/2/2011	2,716.00	17.42	IncAzi-MWD	Scientific Drilling
3/2/2011	2,748.00	17.01	IncAzi-MWD	Scientific Drilling
3/2/2011	2,779.00	16.61	IncAzi-MWD	Scientific Drilling
3/2/2011	2,811.00	16.16	IncAzi-MWD	Scientific Drilling
3/2/2011	2,842.00	15.63	IncAzi-MWD	Scientific Drilling
3/2/2011	2,874.00	15.11	IncAzi-MWD	Scientific Drilling
3/2/2011	2,906.00	14.40	IncAzi-MWD	Scientific Drilling
3/2/2011	2,937.00	13.59	IncAzi-MWD	Scientific Drilling
3/2/2011	2,969.00	12.77	IncAzi-MWD	Scientific Drilling
3/2/2011	3,001.00	11.81	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
3/2/2011	3,032.00	10.82	IncAzi-MWD	Scientific Drilling
3/2/2011	3,064.00	9.90	IncAzi-MWD	Scientific Drilling
3/2/2011	3,095.00	8.75	IncAzi-MWD	Scientific Drilling
3/2/2011	3,127.00	7.66	IncAzi-MWD	Scientific Drilling
3/2/2011	3,159.00	6.83	IncAzi-MWD	Scientific Drilling
3/3/2011	3,190.00	6.25	IncAzi-WL	Scientific Drilling
3/3/2011	3,221.00	5.54	IncAzi-WL	Scientific Drilling
3/3/2011	3,253.00	4.67	IncAzi-WL	Scientific Drilling
3/3/2011	3,284.00	3.73	IncAzi-WL	Scientific Drilling
3/3/2011	3,348.00	3.37	IncAzi-MWD	Scientific Drilling
3/3/2011	3,411.00	2.92	IncAzi-MWD	Scientific Drilling
3/3/2011	3,429.00	2.86	IncAzi-MWD	Scientific Drilling
3/3/2011	3,485.00	2.86	Projection	Scientific Drilling
3/26/2011	5,436.00	2.25	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.

Carth Clay

Subscribed and sworn to me this

6th of April, 2011

Mare S. Jaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires

1/28/14



Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SJB (NM West)
SEC 09-T31N-R12W
Newberry #8B

Original Hole

API - 30-045 - 35048

Design: Original Hole

Standard Survey Report

28 March, 2011

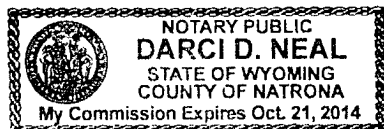


This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 29th of March, 2011.

Darci D. Neal

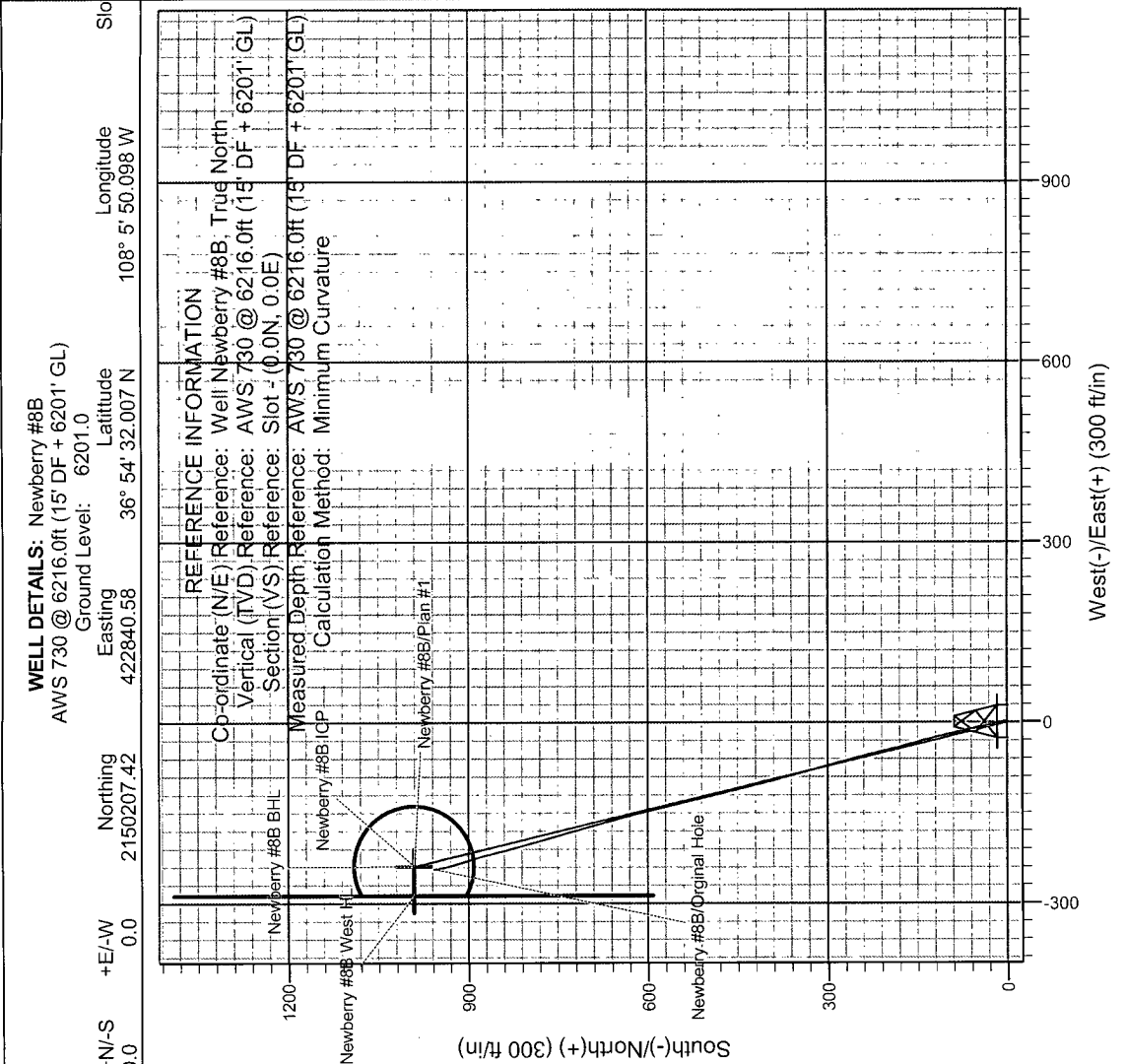
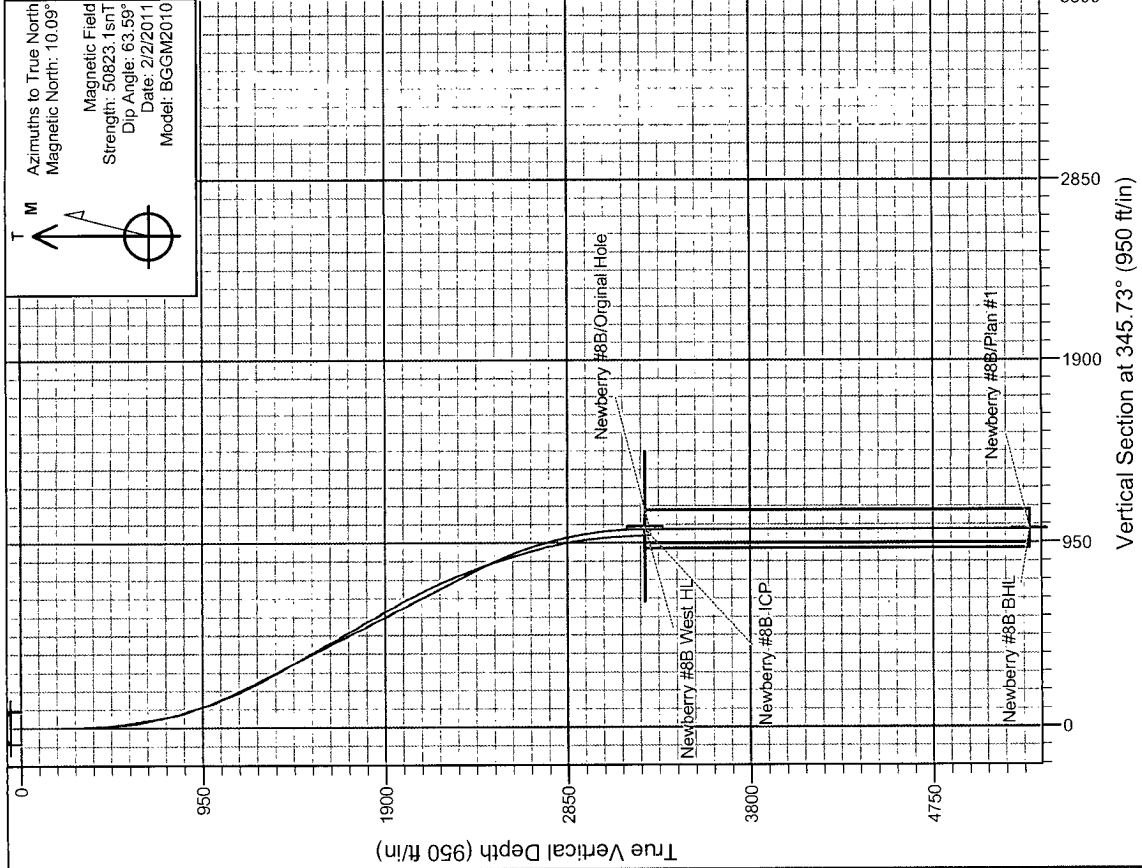
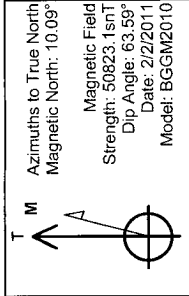
Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips



Project: SJB (NM West)
Site: SEC 09-T31N-R12W
Well: Newberry #8B
Wellbore: Original Hole
Design: Original Hole



WELL DETAILS: Newberry #8B
AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Ground Level: 6201.0
Easting: 422840.58
Northing: 2150207.42
+E/-W: 0.0
+N/-S: 0.0
Latitude: 36° 54' 32.007 N
Longitude: 108° 5' 50.098 W
Slope: 0.0

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Newberry #8B, True North
Vertical (TVD) Reference: AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 730 @ 6216.0ft (15' DF + 6201' GL)
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-R12W
San Juan County NM
Site Centre Latitude: 36° 54' 32.007 N
Longitude: 108° 5' 50.098 W
Positional Uncertainty: 7.5
Convergence: -0.16
Local North: True

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Newberry #8B
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Site:	SEC 09-T31N-R12W	MD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Well:	Newberry #8B	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-R12W		
Site Position:		Northing:	2,150,207.42 ft
From:	Lat/Long	Easting:	422,840.58 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 54' 32.007 N
		Longitude:	108° 5' 50.098 W
		Grid Convergence:	-0.16 °

Well	Newberry #8B, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,150,207.42 ft	Latitude:	36° 54' 32.007 N
	+E/-W	0.0 ft	Easting:	422,840.58 ft	Longitude:	108° 5' 50.098 W
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,201.0 ft	

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	2/2/2011	10.09	63.59	50,823

Design	Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	345.73	

Survey Program		Date 3/28/2011		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
269.0	3,485.0	Survey #1 (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
269.0	0.81	20.11	269.0	1.8	0.7	1.6	0.30	0.30	0.00	
First SDI MWD Survey										
299.0	1.31	15.52	299.0	2.3	0.8	2.0	1.69	1.67	-15.30	
330.0	1.64	3.38	330.0	3.1	0.9	2.8	1.46	1.06	-39.16	
361.0	2.37	355.90	361.0	4.2	0.9	3.8	2.50	2.35	-24.13	
392.0	2.87	350.19	391.9	5.6	0.7	5.2	1.82	1.61	-18.42	
423.0	3.77	353.96	422.9	7.4	0.5	7.0	2.99	2.90	12.16	
454.0	4.58	350.99	453.8	9.6	0.2	9.3	2.70	2.61	-9.58	
484.0	5.03	350.52	483.7	12.1	-0.2	11.8	1.51	1.50	-1.57	
515.0	5.85	349.62	514.5	15.0	-0.7	14.7	2.66	2.65	-2.90	
546.0	6.69	347.64	545.4	18.3	-1.4	18.1	2.80	2.71	-6.39	
576.0	7.71	346.50	575.1	22.0	-2.2	21.8	3.43	3.40	-3.80	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Newberry #8B
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Site:	SEC 09-T31N-R12W	MD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Well:	Newberry #8B	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)	
606.0	8.27	346.71	604.8	26.0	-3.2	26.0	1.87	1.87	0.70	
637.0	8.91	347.31	635.5	30.5	-4.2	30.6	2.08	2.06	1.94	
668.0	9.70	348.32	666.1	35.4	-5.3	35.6	2.60	2.55	3.26	
699.0	10.48	348.16	696.6	40.7	-6.4	41.1	2.52	2.52	-0.52	
730.0	11.36	347.43	727.0	46.5	-7.6	46.9	2.87	2.84	-2.35	
760.0	12.56	345.91	756.4	52.5	-9.1	53.1	4.14	4.00	-5.07	
791.0	13.26	346.50	786.6	59.3	-10.7	60.1	2.30	2.26	1.90	
822.0	14.12	347.08	816.7	66.4	-12.4	67.4	2.81	2.77	1.87	
855.0	15.22	346.93	848.6	74.5	-14.3	75.8	3.34	3.33	-0.45	
887.0	16.29	347.34	879.4	83.0	-16.2	84.4	3.36	3.34	1.28	
918.0	17.07	347.48	909.1	91.7	-18.2	93.3	2.52	2.52	0.45	
950.0	17.94	347.28	939.7	101.1	-20.3	103.0	2.73	2.72	-0.63	
981.0	18.89	346.16	969.1	110.6	-22.5	112.8	3.27	3.06	-3.61	
1,013.0	19.89	346.23	999.2	120.9	-25.0	123.4	3.13	3.13	0.22	
1,044.0	20.74	345.63	1,028.3	131.4	-27.7	134.1	2.82	2.74	-1.94	
1,075.0	21.21	344.48	1,057.3	142.1	-30.5	145.2	2.02	1.52	-3.71	
1,107.0	22.09	344.71	1,087.0	153.5	-33.7	157.0	2.76	2.75	0.72	
1,138.0	22.87	345.09	1,115.7	164.9	-36.7	168.9	2.56	2.52	1.23	
1,170.0	24.14	345.24	1,145.0	177.3	-40.0	181.7	3.97	3.97	0.47	
1,201.0	25.08	345.86	1,173.2	189.8	-43.2	194.6	3.14	3.03	2.00	
1,233.0	26.41	346.55	1,202.0	203.3	-46.5	208.5	4.26	4.16	2.16	
1,264.0	27.62	346.73	1,229.6	217.0	-49.8	222.5	3.91	3.90	0.58	
1,327.0	28.15	345.43	1,285.3	245.6	-56.9	252.0	1.28	0.84	-2.06	
1,390.0	28.55	344.46	1,340.7	274.4	-64.7	281.9	0.97	0.63	-1.54	
1,453.0	28.82	344.60	1,396.0	303.6	-72.7	312.1	0.44	0.43	0.22	
1,516.0	28.86	345.30	1,451.2	332.9	-80.6	342.5	0.54	0.06	1.11	
1,579.0	29.54	344.37	1,506.2	362.6	-88.7	373.3	1.30	1.08	-1.48	
1,642.0	29.39	345.20	1,561.0	392.5	-96.8	404.2	0.69	-0.24	1.32	
1,705.0	29.29	346.27	1,616.0	422.4	-104.4	435.1	0.85	-0.16	1.70	
1,768.0	29.91	345.58	1,670.7	452.6	-112.0	466.2	1.12	0.98	-1.10	
1,832.0	30.11	346.52	1,726.2	483.7	-119.7	498.2	0.80	0.31	1.47	
1,895.0	29.27	346.39	1,780.9	514.0	-127.0	529.4	1.34	-1.33	-0.21	
1,958.0	28.64	346.39	1,836.0	543.6	-134.2	559.9	1.00	-1.00	0.00	
2,021.0	28.26	347.04	1,891.4	572.8	-141.1	589.9	0.78	-0.60	1.03	
2,084.0	28.23	346.42	1,946.9	601.9	-147.9	619.8	0.47	-0.05	-0.98	
2,147.0	28.07	345.65	2,002.5	630.7	-155.1	649.5	0.63	-0.25	-1.22	
2,210.0	27.49	344.31	2,058.2	659.1	-162.7	678.8	1.35	-0.92	-2.13	
2,242.0	27.17	343.99	2,086.6	673.2	-166.7	693.5	1.10	-1.00	-1.00	
2,274.0	26.23	344.17	2,115.2	687.0	-170.6	707.9	2.95	-2.94	0.56	
2,305.0	25.07	345.05	2,143.2	700.0	-174.2	721.3	3.94	-3.74	2.84	
2,337.0	24.07	345.00	2,172.3	712.8	-177.6	734.6	3.13	-3.13	-0.16	
2,368.0	22.98	344.63	2,200.7	724.8	-180.9	747.0	3.55	-3.52	-1.19	
2,400.0	22.26	344.43	2,230.2	736.6	-184.2	759.3	2.26	-2.25	-0.63	
2,432.0	21.87	343.76	2,259.9	748.2	-187.5	771.3	1.45	-1.22	-2.09	
2,463.0	21.38	343.85	2,288.7	759.2	-190.7	782.7	1.58	-1.58	0.29	
2,495.0	20.33	343.18	2,318.6	770.1	-193.9	794.1	3.36	-3.28	-2.09	
2,527.0	19.72	343.57	2,348.7	780.6	-197.0	805.1	1.95	-1.91	1.22	
2,558.0	19.45	344.26	2,377.9	790.6	-199.9	815.4	1.15	-0.87	2.23	
2,590.0	19.16	344.61	2,408.1	800.8	-202.7	826.0	0.98	-0.91	1.09	
2,622.0	18.82	344.85	2,438.3	810.8	-205.5	836.4	1.09	-1.06	0.75	
2,653.0	18.50	344.75	2,467.7	820.4	-208.1	846.3	1.04	-1.03	-0.32	
2,684.0	17.88	345.83	2,497.2	829.7	-210.5	856.0	2.28	-2.00	3.48	
2,716.0	17.42	346.29	2,527.6	839.1	-212.9	865.7	1.50	-1.44	1.44	
2,748.0	17.01	345.87	2,558.2	848.3	-215.2	875.2	1.34	-1.28	-1.31	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Newberry #8B
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Site:	SEC 09-T31N-R12W	MD Reference:	AWS 730 @ 6216.0ft (15' DF + 6201' GL)
Well:	Newberry #8B	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)
2,779.0	16.61	346.10	2,587.9	857.0	-217.3	884.2	1.31	-1.29	0.74
2,811.0	16.16	345.40	2,618.6	865.8	-219.5	893.2	1.54	-1.41	-2.19
2,842.0	15.63	344.93	2,648.4	874.0	-221.7	901.7	1.76	-1.71	-1.52
2,874.0	15.11	345.35	2,679.3	882.2	-223.9	910.2	1.66	-1.63	1.31
2,906.0	14.40	344.30	2,710.2	890.1	-226.0	918.3	2.37	-2.22	-3.28
2,937.0	13.59	344.00	2,740.3	897.3	-228.1	925.8	2.62	-2.61	-0.97
2,969.0	12.77	342.73	2,771.4	904.3	-230.2	933.1	2.72	-2.56	-3.97
3,001.0	11.81	341.24	2,802.7	910.7	-232.3	939.9	3.16	-3.00	-4.66
3,032.0	10.82	341.93	2,833.1	916.5	-234.2	946.0	3.22	-3.19	2.23
3,064.0	9.90	342.27	2,864.6	922.0	-236.0	951.7	2.88	-2.88	1.06
3,095.0	8.75	343.85	2,895.2	926.8	-237.4	956.7	3.80	-3.71	5.10
3,127.0	7.66	344.71	2,926.8	931.2	-238.7	961.3	3.43	-3.41	2.69
3,159.0	6.83	346.03	2,958.6	935.1	-239.7	965.3	2.65	-2.59	4.13
3,190.0	6.25	347.56	2,989.4	938.5	-240.5	968.8	1.95	-1.87	4.94
3,221.0	5.54	349.97	3,020.2	941.6	-241.1	972.0	2.43	-2.29	7.77
3,253.0	4.67	350.79	3,052.1	944.5	-241.6	974.9	2.73	-2.72	2.56
3,284.0	3.73	350.45	3,083.0	946.7	-242.0	977.1	3.03	-3.03	-1.10
3,348.0	3.37	352.00	3,146.9	950.6	-242.6	981.1	0.58	-0.56	2.42
3,411.0	2.92	353.16	3,209.8	954.0	-243.0	984.5	0.72	-0.71	1.84
3,429.0	2.86	349.76	3,227.8	954.9	-243.2	985.4	1.01	-0.33	-18.89
Last SDI MWD Survey									
3,485.0	2.86	349.76	3,283.7	957.7	-243.7	988.2	0.00	0.00	0.00
Projection to TD									

Checked By: _____ Approved By: _____ Date: _____