

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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

"AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35087		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 38008	*Property Name RIDDLE C LS		*Well Number 1 C
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6528'

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
N	31	31N	9W	18	1129'	SOUTH	1322'	WEST	SAN JUAN

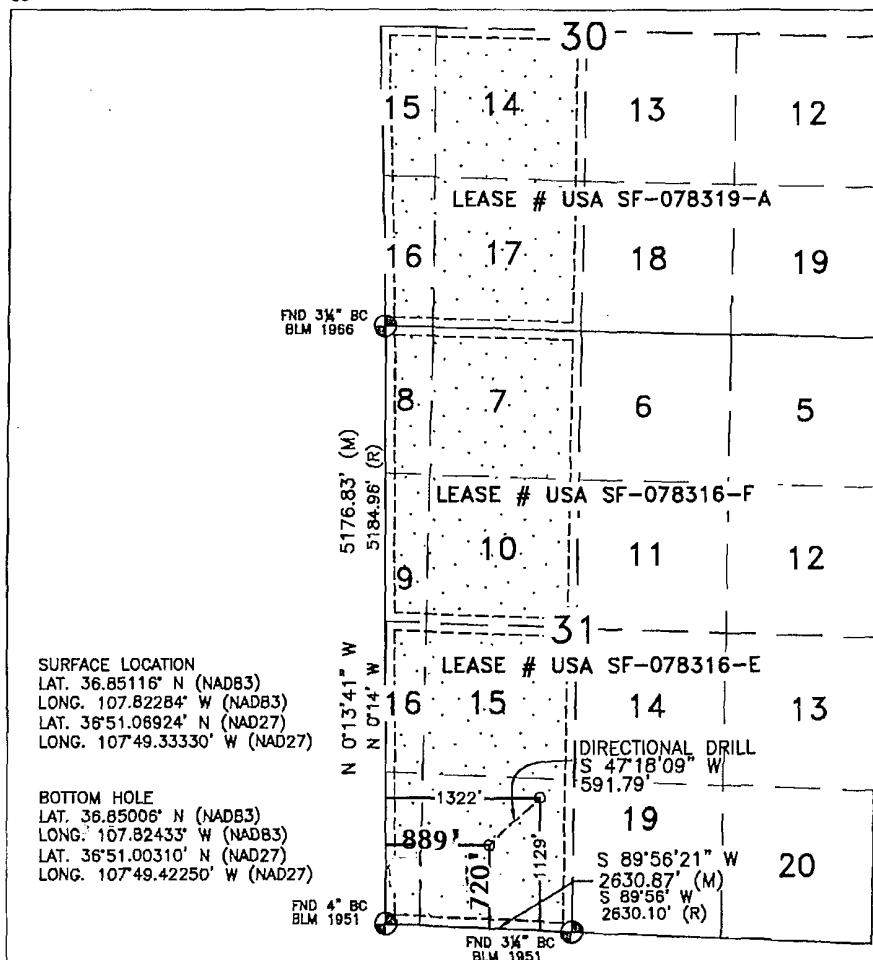
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	31N	9W	18	720	SOUTH	889	WEST	SAN JUAN

*Dedicated Acres 299.10 Acres SW/4-30 & W/2-31	*Joint or Infill	*Consolidation Code	*Order No. MV R - 35 / DK - NSP-1946
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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

18



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 or a compulsory pooling order heretofore entered by the division.

Patsy Clugston 3/24/11
Signature Date

Patsy Clugston
Printed Name

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.

AUGUST 1, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David A. Russell
DAVID A. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number 10201

RCVD MAR 29 '11
OIL CONS. DIV.
DIST. 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName RIDDLE C LS #1C	API / UWI 3004535087	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 031-031N-009W-N	N/S Dist (ft) 1,129.00	N/S Ref FSL	E/W Dist (ft) 1,322.00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/21/2010	130.00	1.00	Inc-WL	MOTE
12/21/2010	238.00	0.75	Inc-WL	MOTE
2/19/2011	266.00	1.09	Inc-MWD	Scientific Drilling
2/19/2011	328.00	1.08	Inc-MWD	Scientific Drilling
2/19/2011	390.00	1.07	Inc-MWD	Scientific Drilling
2/19/2011	452.00	1.18	Inc-MWD	Scientific Drilling
2/19/2011	512.00	1.25	Inc-MWD	Scientific Drilling
2/19/2011	573.00	1.22	Inc-MWD	Scientific Drilling
2/19/2011	604.00	1.31	Inc-MWD	Scientific Drilling
2/19/2011	635.00	1.72	Inc-MWD	Scientific Drilling
2/19/2011	665.00	2.39	Inc-MWD	Scientific Drilling
2/19/2011	696.00	2.65	Inc-MWD	Scientific Drilling
2/19/2011	727.00	3.06	Inc-MWD	Scientific Drilling
2/19/2011	758.00	3.38	Inc-MWD	Scientific Drilling
2/19/2011	789.00	4.09	Inc-MWD	Scientific Drilling
2/19/2011	820.00	4.65	Inc-MWD	Scientific Drilling
2/20/2011	853.00	5.33	Inc-MWD	Scientific Drilling
2/20/2011	884.00	5.75	Inc-MWD	Scientific Drilling
2/20/2011	916.00	6.44	Inc-MWD	Scientific Drilling
2/20/2011	948.00	6.84	Inc-MWD	Scientific Drilling
2/20/2011	979.00	7.44	Inc-MWD	Scientific Drilling
2/20/2011	1,011.00	8.02	Inc-MWD	Scientific Drilling
2/20/2011	1,042.00	8.54	Inc-MWD	Scientific Drilling
2/20/2011	1,074.00	9.08	Inc-MWD	Scientific Drilling
2/20/2011	1,106.00	9.62	Inc-MWD	Scientific Drilling
2/20/2011	1,137.00	10.35	Inc-MWD	Scientific Drilling
2/20/2011	1,169.00	10.94	Inc-MWD	Scientific Drilling
2/20/2011	1,200.00	11.71	Inc-MWD	Scientific Drilling
2/20/2011	1,232.00	12.23	Inc-MWD	Scientific Drilling
2/20/2011	1,263.00	12.85	Inc-MWD	Scientific Drilling
2/20/2011	1,295.00	13.79	Inc-MWD	Scientific Drilling
2/20/2011	1,327.00	14.46	Inc-MWD	Scientific Drilling
2/20/2011	1,389.00	14.32	Inc-MWD	Scientific Drilling
2/20/2011	1,452.00	14.49	Inc-MWD	Scientific Drilling
2/20/2011	1,515.00	14.46	Inc-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
2/20/2011	1,579.00	15.06	Inc-MWD	Scientific Drilling
2/20/2011	1,642.00	15.34	Inc-MWD	Scientific Drilling
2/20/2011	1,705.00	15.21	Inc-MWD	Scientific Drilling
2/20/2011	1,768.00	15.21	Inc-MWD	Scientific Drilling
2/20/2011	1,831.00	15.00	Inc-MWD	Scientific Drilling
2/20/2011	1,894.00	14.86	Inc-MWD	Scientific Drilling
2/20/2011	1,957.00	14.75	Inc-MWD	Scientific Drilling
2/20/2011	2,020.00	14.81	Inc-MWD	Scientific Drilling
2/20/2011	2,083.00	15.10	Inc-MWD	Scientific Drilling
2/20/2011	2,146.00	15.21	Inc-MWD	Scientific Drilling
2/20/2011	2,209.00	14.93	Inc-MWD	Scientific Drilling
2/20/2011	2,272.00	15.20	Inc-MWD	Scientific Drilling
2/20/2011	2,335.00	15.27	Inc-MWD	Scientific Drilling
2/20/2011	2,399.00	15.89	Inc-MWD	Scientific Drilling
2/20/2011	2,462.00	16.22	Inc-MWD	Scientific Drilling
2/20/2011	2,525.00	16.06	Inc-MWD	Scientific Drilling
2/20/2011	2,588.00	16.16	Inc-MWD	Scientific Drilling
2/20/2011	2,652.00	16.26	Inc-MWD	Scientific Drilling
2/20/2011	2,714.00	15.97	Inc-MWD	Scientific Drilling
2/20/2011	2,777.00	16.05	Inc-MWD	Scientific Drilling
2/20/2011	2,809.00	15.78	Inc-MWD	Scientific Drilling
2/20/2011	2,841.00	15.11	Inc-MWD	Scientific Drilling
2/20/2011	2,872.00	14.30	Inc-MWD	Scientific Drilling
2/20/2011	2,904.00	13.32	Inc-MWD	Scientific Drilling
2/20/2011	2,935.00	12.67	Inc-MWD	Scientific Drilling
2/20/2011	2,966.00	11.99	Inc-MWD	Scientific Drilling
2/20/2011	2,997.00	11.16	Inc-MWD	Scientific Drilling
2/20/2011	3,029.00	10.22	Inc-MWD	Scientific Drilling
2/20/2011	3,060.00	9.69	Inc-MWD	Scientific Drilling
2/20/2011	3,092.00	9.43	Inc-MWD	Scientific Drilling
2/20/2011	3,124.00	8.78	Inc-MWD	Scientific Drilling
2/20/2011	3,156.00	7.78	Inc-MWD	Scientific Drilling
2/20/2011	3,187.00	7.25	Inc-MWD	Scientific Drilling
2/20/2011	3,219.00	6.94	Inc-MWD	Scientific Drilling
2/20/2011	3,250.00	6.40	Inc-MWD	Scientific Drilling
2/20/2011	3,282.00	6.03	Inc-MWD	Scientific Drilling
2/20/2011	3,314.00	5.57	Inc-MWD	Scientific Drilling
2/20/2011	3,345.00	5.19	Inc-MWD	Scientific Drilling
2/20/2011	3,376.00	5.04	Inc-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 _____

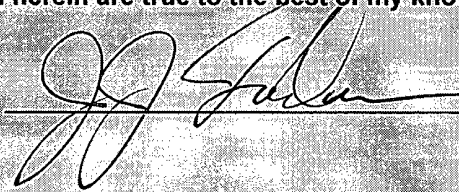
Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
2/21/2011	3,439.00	4.55	Inc-MWD	Scientific Drilling
2/21/2011	3,502.00	4.42	Inc-MWD	Scientific Drilling
3/2/2011	7,891.00	0.75	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 3/28/11



Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/12



RCVD MAR 29 '11

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM West)
SEC 31-T31N-R9W
Riddle C LS #1C

Original Hole

API - 30-045-35087

Survey: Actual

Standard Survey Report

27 February, 2011

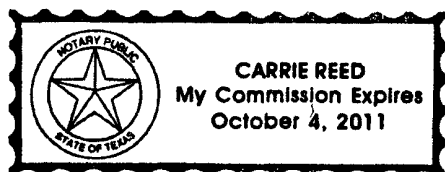
This survey is correct to the best of my knowledge and is supported by actual field data.

K. E. Hester

Notarized this date 28th of February, 2011.

Carrie Reed

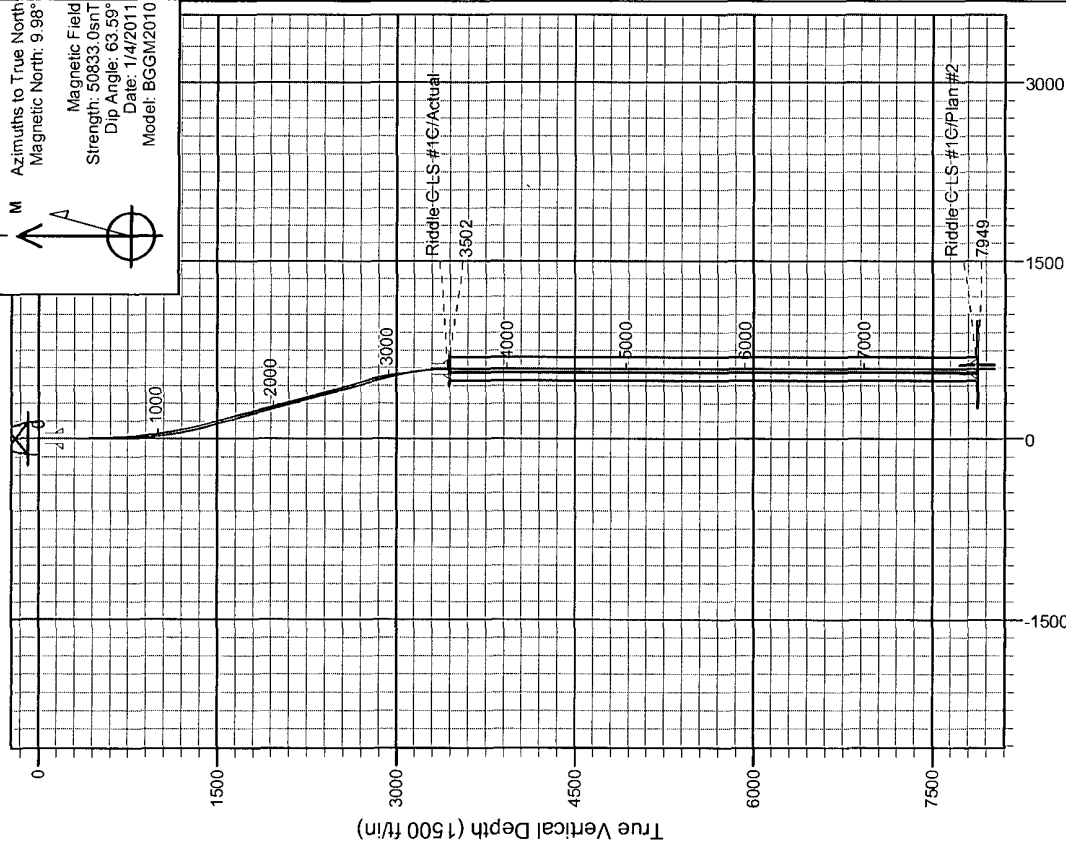
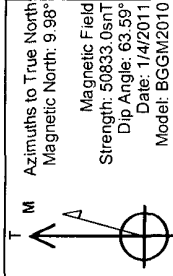
Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations



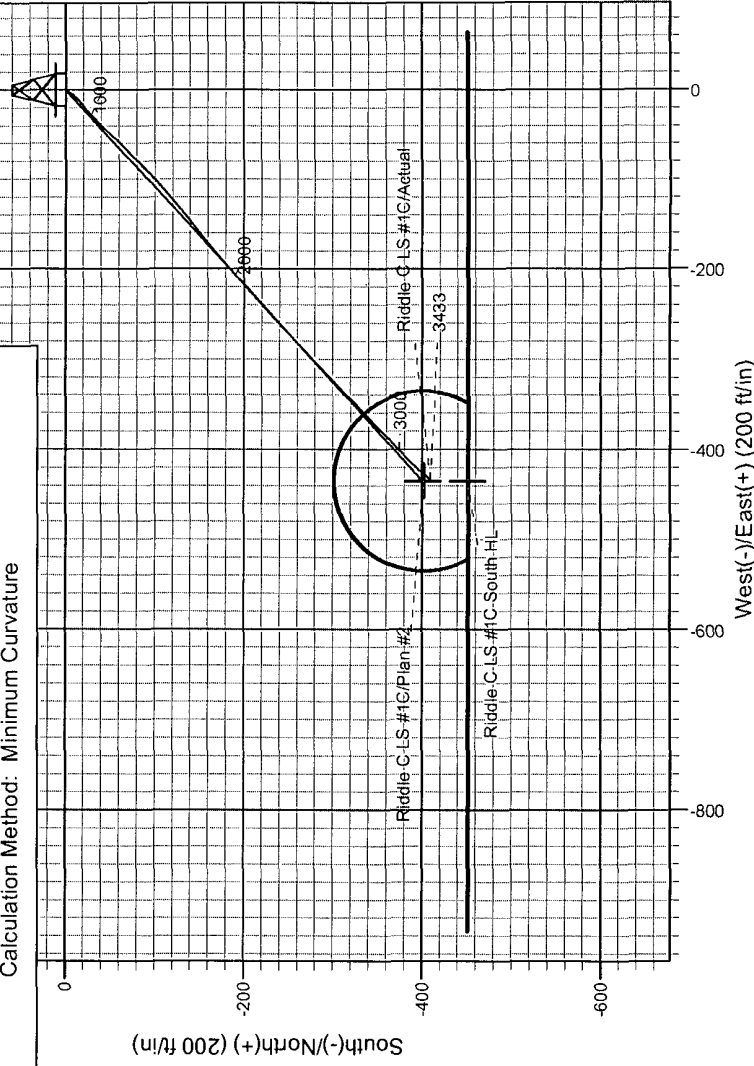
Project: SJB (NM West)
Site: SEC 31-T31N-R9W
Well: Riddle C LS #1C
Wellbore: Original Hole
Design: Plan #2



WELL DETAILS: Riddle C LS #1C
AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Ground Level: 6528.0
Easting 503251.09
Northing 2129081.63
Latitude 36° 51' 4.154 N
Longitude 107° 49' 19.998 W
Slot

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Riddle C LS #1C, True North
Vertical (TVD) Reference: AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 730 @ 6543.0ft (15' KB + 6528' DF)
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 31-T31N-R9W
San Juan County NM
Site Centre Latitude: 36° 51' 4.154 N
Longitude: 107° 49' 19.998 W
Positional Uncertainty: 7.5
Convergence: 0.01
Local North: True

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Riddle C LS #1C
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Site:	SEC 31-T31N-R9W	MD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Well:	Riddle C LS #1C	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 31-T31N-R9W		
Site Position:		Northing:	2,129,081.63 ft
From:	Lat/Long	Easting:	503,251.09 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 51' 4.154 N
		Longitude:	107° 49' 19.998 W
		Grid Convergence:	0.01 °

Well	Riddle C LS #1C, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,129,081.63 ft
	+E/-W	0.0 ft	Easting: 503,251.09 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	6,528.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2010	1/4/2011	9.98
			Dip Angle (°)
			63.59
			Field Strength (nT)
			50,833

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
			(°)
			226.62

Survey Program	Date 2/27/2011		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
266.0	3,502.0	Actual (Original Hole)	MWD SDI
			Description
			MWD - Standard ver 1.0.1

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(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	
266.0	1.09	213.23	266.0	-2.1	-1.4	2.5	0.41	0.41	0.00	
328.0	1.08	207.73	328.0	-3.1	-2.0	3.6	0.17	-0.02	-8.87	
390.0	1.07	215.17	390.0	-4.1	-2.6	4.7	0.23	-0.02	12.00	
452.0	1.18	208.57	452.0	-5.2	-3.2	5.9	0.27	0.18	-10.65	
512.0	1.25	210.13	511.9	-6.3	-3.8	7.1	0.13	0.12	2.60	
573.0	1.22	216.60	572.9	-7.4	-4.6	8.4	0.23	-0.05	10.61	
604.0	1.31	221.79	603.9	-7.9	-5.0	9.1	0.47	0.29	16.74	
635.0	1.72	221.80	634.9	-8.5	-5.5	9.9	1.32	1.32	0.03	
665.0	2.39	224.20	664.9	-9.3	-6.3	10.9	2.25	2.23	8.00	
696.0	2.65	223.37	695.9	-10.3	-7.2	12.3	0.85	0.84	-2.68	
727.0	3.06	225.15	726.8	-11.4	-8.3	13.8	1.35	1.32	5.74	
758.0	3.38	222.89	757.8	-12.6	-9.5	15.6	1.11	1.03	-7.29	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Riddle C LS #1C
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Site:	SEC 31-T31N-R9W	MD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Well:	Riddle C LS #1C	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)	
789.0	4.09	227.59	788.7	-14.0	-11.0	17.6	2.49	2.29	15.16	
820.0	4.65	229.07	819.6	-15.6	-12.7	20.0	1.84	1.81	4.77	
853.0	5.33	228.62	852.5	-17.5	-14.9	22.8	2.06	2.06	-1.36	
884.0	5.75	228.90	883.3	-19.5	-17.1	25.8	1.36	1.35	0.90	
916.0	6.44	228.71	915.2	-21.7	-19.7	29.2	2.16	2.16	-0.59	
948.0	6.84	227.84	946.9	-24.2	-22.4	32.9	1.29	1.25	-2.72	
979.0	7.44	228.72	977.7	-26.7	-25.3	36.8	1.97	1.94	2.84	
1,011.0	8.02	228.33	1,009.4	-29.6	-28.5	41.1	1.82	1.81	-1.22	
1,042.0	8.54	227.12	1,040.1	-32.6	-31.9	45.5	1.77	1.68	-3.90	
1,074.0	9.08	226.57	1,071.7	-35.9	-35.4	50.4	1.71	1.69	-1.72	
1,106.0	9.62	226.19	1,103.3	-39.5	-39.2	55.6	1.70	1.69	-1.19	
1,137.0	10.35	223.67	1,133.8	-43.3	-43.0	61.0	2.74	2.35	-8.13	
1,169.0	10.94	222.38	1,165.3	-47.7	-47.0	66.9	1.99	1.84	-4.03	
1,200.0	11.71	222.23	1,195.7	-52.2	-51.1	73.0	2.49	2.48	-0.48	
1,232.0	12.23	223.00	1,227.0	-57.0	-55.6	79.6	1.70	1.63	2.41	
1,263.0	12.85	225.28	1,257.2	-61.9	-60.3	86.3	2.56	2.00	7.35	
1,295.0	13.79	225.75	1,288.4	-67.0	-65.6	93.7	2.96	2.94	1.47	
1,327.0	14.46	225.83	1,319.4	-72.5	-71.2	101.5	2.09	2.09	0.25	
1,389.0	14.32	225.45	1,379.5	-83.3	-82.2	116.9	0.27	-0.23	-0.61	
1,453.0	14.49	227.47	1,441.4	-94.2	-93.7	132.8	0.83	0.27	3.16	
1,515.0	14.46	227.83	1,501.5	-104.7	-105.2	148.3	0.15	-0.05	0.58	
1,579.0	15.06	229.38	1,563.4	-115.4	-117.4	164.6	1.12	0.94	2.42	
1,642.0	15.34	230.13	1,624.2	-126.1	-130.0	181.1	0.54	0.44	1.19	
1,705.0	15.21	230.49	1,684.9	-136.7	-142.8	197.7	0.26	-0.21	0.57	
1,768.0	15.21	230.33	1,745.7	-147.2	-155.5	214.2	0.07	0.00	-0.25	
1,831.0	15.00	230.83	1,806.5	-157.7	-168.2	230.5	0.39	-0.33	0.79	
1,894.0	14.86	229.17	1,867.4	-168.1	-180.6	246.7	0.71	-0.22	-2.63	
1,957.0	14.75	229.31	1,928.3	-178.6	-192.8	262.8	0.18	-0.17	0.22	
2,020.0	14.81	228.97	1,989.2	-189.1	-205.0	278.9	0.17	0.10	-0.54	
2,083.0	15.10	229.34	2,050.1	-199.8	-217.3	295.1	0.48	0.46	0.59	
2,146.0	15.21	226.98	2,110.9	-210.7	-229.5	311.6	0.99	0.17	-3.75	
2,209.0	14.93	225.91	2,171.8	-222.0	-241.4	328.0	0.63	-0.44	-1.70	
2,272.0	15.20	226.22	2,232.6	-233.4	-253.2	344.3	0.45	0.43	0.49	
2,335.0	15.27	227.13	2,293.4	-244.7	-265.2	360.9	0.40	0.11	1.44	
2,399.0	15.89	226.55	2,355.0	-256.5	-277.8	378.1	1.00	0.97	-0.91	
2,462.0	16.22	226.58	2,415.6	-268.5	-290.4	395.5	0.52	0.52	0.05	
2,525.0	16.06	226.37	2,476.1	-280.5	-303.1	413.0	0.27	-0.25	-0.33	
2,588.0	16.16	225.82	2,536.6	-292.7	-315.7	430.5	0.29	0.16	-0.87	
2,652.0	16.26	226.30	2,598.1	-305.1	-328.6	448.4	0.26	0.16	0.75	
2,714.0	15.97	226.91	2,657.6	-316.9	-341.1	465.6	0.54	-0.47	0.98	
2,777.0	16.05	225.98	2,718.2	-328.9	-353.7	482.9	0.43	0.13	-1.48	
2,809.0	15.78	225.55	2,749.0	-335.0	-360.0	491.7	0.92	-0.84	-1.34	
2,841.0	15.11	225.97	2,779.8	-340.9	-366.1	500.2	2.12	-2.09	1.31	
2,872.0	14.30	225.14	2,809.8	-346.4	-371.7	508.1	2.70	-2.61	-2.68	
2,904.0	13.32	224.92	2,840.9	-351.8	-377.1	515.7	3.07	-3.06	-0.69	
2,935.0	12.67	226.02	2,871.1	-356.7	-382.1	522.7	2.24	-2.10	3.55	
2,966.0	11.99	226.06	2,901.4	-361.3	-386.8	529.3	2.19	-2.19	0.13	
2,997.0	11.16	225.71	2,931.7	-365.6	-391.3	535.5	2.69	-2.68	-1.13	
3,029.0	10.22	226.18	2,963.2	-369.8	-395.6	541.5	2.95	-2.94	1.47	
3,060.0	9.69	225.85	2,993.7	-373.5	-399.4	546.8	1.72	-1.71	-1.06	
3,092.0	9.43	226.62	3,025.3	-377.2	-403.3	552.2	0.91	-0.81	2.41	
3,124.0	8.78	227.02	3,056.9	-380.6	-407.0	557.2	2.04	-2.03	1.25	
3,156.0	7.78	225.96	3,088.5	-383.8	-410.3	561.8	3.16	-3.13	-3.31	
3,187.0	7.25	223.58	3,119.3	-386.7	-413.2	565.9	1.98	-1.71	-7.68	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Riddle C LS #1C
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Site:	SEC 31-T31N-R9W	MD Reference:	AWS 730 @ 6543.0ft (15' KB + 6528' DF)
Well:	Riddle C LS #1C	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)	
3,219.0	6.94	223.54	3,151.0	-389.5	-415.9	569.8	0.97	-0.97	-0.13	
3,250.0	6.40	220.60	3,181.8	-392.2	-418.3	573.4	2.06	-1.74	-9.48	
3,282.0	6.03	221.07	3,213.6	-394.8	-420.6	576.9	1.17	-1.16	1.47	
3,314.0	5.57	220.15	3,245.4	-397.3	-422.7	580.1	1.47	-1.44	-2.88	
3,345.0	5.19	220.74	3,276.3	-399.5	-424.6	583.0	1.24	-1.23	1.90	
3,376.0	5.04	219.15	3,307.2	-401.6	-426.3	585.7	0.67	-0.48	-5.13	
3,439.0	4.55	222.55	3,370.0	-405.6	-429.8	590.9	0.90	-0.78	5.40	
3,502.0	4.42	221.29	3,432.8	-409.3	-433.1	595.9	0.26	-0.21	-2.00	