

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 16, 2010

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

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

Submit one copy to Appropriate
District Office

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

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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30961	² Pool Code 1599/97232/72319	³ Pool Name BASIN DAKOTA/MANCOS/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 138M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6735'

¹⁰ Surface Location

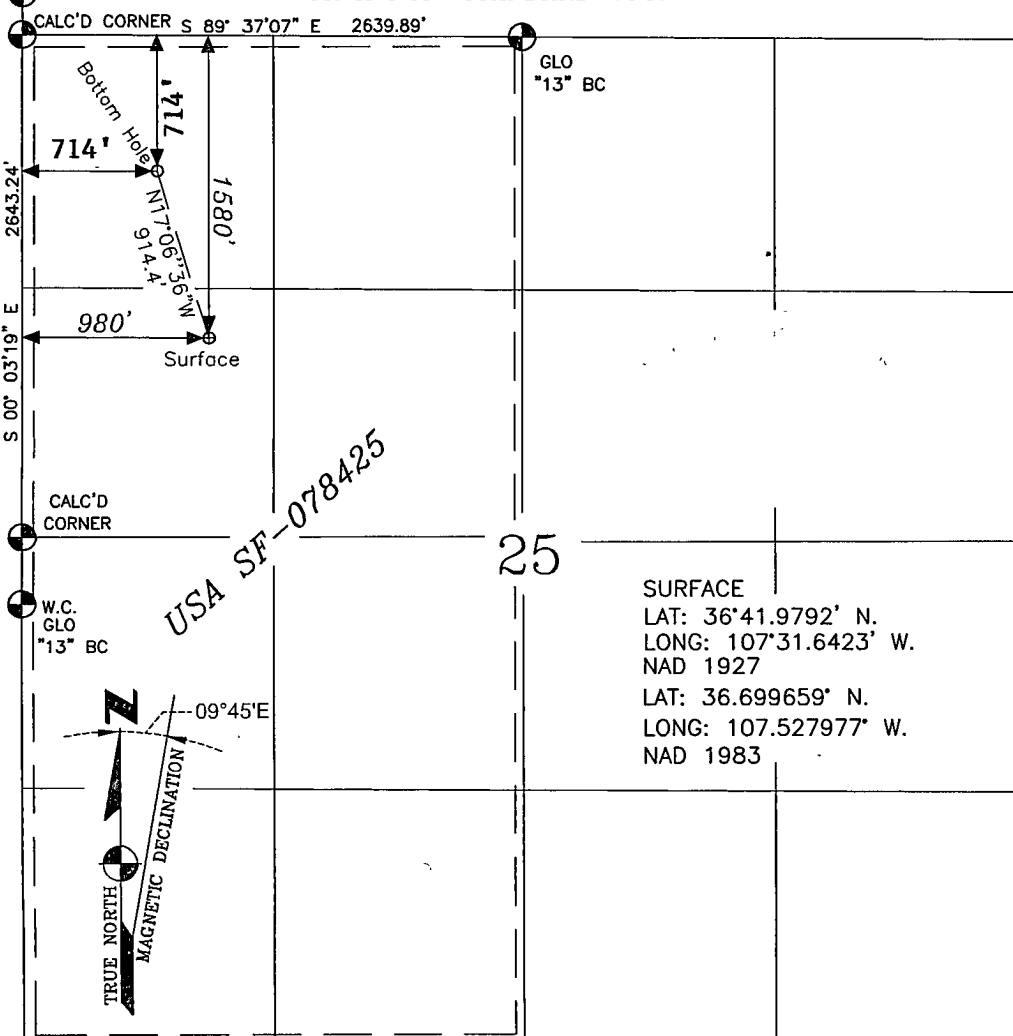
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	29-N	7-W		1580'	NORTH	980'	WEST	RIO ARRIBA

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
D	25	29-N	7-W		714'	NORTH	714'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.0 ACRES W/2 MC 320.0 ACRES W/2 MV 320.0 ACRES W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD MAR 28 '12 OIL CONS. DIV.
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16 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
W.C. GLO "13" BC 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Marie E. Jaramillo
Date: 3/28/12

Printed Name: Marie E. Jaramillo
Regulatory Tech.

E-mail Address:

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.

OCTOBER 18, 2011
Date of Survey

Signature and Seal of Professional Surveyor: GLEN W. RUSSELL

GLEN W. RUSSELL
Certificate Number: 15703



COP Deviation Report
SAN JUAN 29-7 UNIT #138M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #138M	API / UWI 3003930961	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 025-029N-007W-E	N/S Dist (ft) 1,580 00	N/S Ref FNL	E/W Dist (ft) 980.00	E/W Ref FWL

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/28/2011	128.00	0.75		Inc-Drop	MO-TE DRILLING INC
11/28/2011	228.00	0.50		Inc-Drop	MO-TE DRILLING INC
11/28/2011	323.00	0.75		Inc-Drop	MO-TE DRILLING INC.
1/22/2012	335.00	0.18	232.97	IncAzi-MWD	Scientific Drilling
1/22/2012	397.00	0.86	4.69	IncAzi-MWD	Scientific Drilling
1/22/2012	458.00	2.10	353.03	IncAzi-MWD	Scientific Drilling
1/22/2012	520.00	3.15	350.13	IncAzi-MWD	Scientific Drilling
1/22/2012	581.00	4.04	341.63	IncAzi-MWD	Scientific Drilling
1/22/2012	643.00	5.40	337.88	IncAzi-MWD	Scientific Drilling
1/22/2012	704.00	6.87	344.02	IncAzi-MWD	Scientific Drilling
1/22/2012	764.00	8.21	345.25	IncAzi-MWD	Scientific Drilling
1/22/2012	825.00	9.75	344.61	IncAzi-MWD	Scientific Drilling
1/22/2012	887.00	11.18	343.50	IncAzi-MWD	Scientific Drilling
1/22/2012	950.00	12.54	342.29	IncAzi-MWD	Scientific Drilling
1/22/2012	1,013.00	14.34	342.02	IncAzi-MWD	Scientific Drilling
1/22/2012	1,077.00	15.78	343.84	IncAzi-MWD	Scientific Drilling
1/22/2012	1,141.00	17.07	343.52	IncAzi-MWD	Scientific Drilling
1/22/2012	1,203.00	18.26	343.60	IncAzi-MWD	Scientific Drilling
1/22/2012	1,267.00	18.87	342.96	IncAzi-MWD	Scientific Drilling
1/22/2012	1,330.00	18.94	341.91	IncAzi-MWD	Scientific Drilling
1/22/2012	1,394.00	19.10	340.54	IncAzi-MWD	Scientific Drilling
1/22/2012	1,457.00	19.10	339.86	IncAzi-MWD	Scientific Drilling
1/22/2012	1,521.00	18.49	341.62	IncAzi-MWD	Scientific Drilling
1/22/2012	1,584.00	18.26	342.60	IncAzi-MWD	Scientific Drilling
1/22/2012	1,648.00	17.53	342.68	IncAzi-MWD	Scientific Drilling
1/22/2012	1,711.00	17.57	343.61	IncAzi-MWD	Scientific Drilling
1/22/2012	1,774.00	17.92	342.52	IncAzi-MWD	Scientific Drilling
1/22/2012	1,838.00	17.59	341.79	IncAzi-MWD	Scientific Drilling
1/22/2012	1,901.00	18.00	343.29	IncAzi-MWD	Scientific Drilling
1/22/2012	1,964.00	17.97	343.56	IncAzi-MWD	Scientific Drilling
1/22/2012	2,027.00	18.14	344.53	IncAzi-MWD	Scientific Drilling
1/22/2012	2,091.00	18.38	344.28	IncAzi-MWD	Scientific Drilling
1/22/2012	2,154.00	19.36	343.39	IncAzi-MWD	Scientific Drilling
1/22/2012	2,218.00	19.32	342.38	IncAzi-MWD	Scientific Drilling
1/22/2012	2,281.00	19.49	341.60	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 _____

RCVD MAR 28 12
OIL CONS. DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
1/22/2012	2,345.00	19.67	340.50	IncAzi-MWD	Scientific Drilling
1/22/2012	2,408.00	19.57	342.01	IncAzi-MWD	Scientific Drilling
1/22/2012	2,472.00	19.47	345.77	IncAzi-MWD	Scientific Drilling
1/22/2012	2,535.00	19.47	347.46	IncAzi-MWD	Scientific Drilling
1/22/2012	2,599.00	18.90	346.53	IncAzi-MWD	Scientific Drilling
1/22/2012	2,662.00	19.12	345.35	IncAzi-MWD	Scientific Drilling
1/22/2012	2,725.00	19.29	345.03	IncAzi-MWD	Scientific Drilling
1/22/2012	2,788.00	19.24	344.58	IncAzi-MWD	Scientific Drilling
1/22/2012	2,851.00	19.35	344.36	IncAzi-MWD	Scientific Drilling
1/22/2012	2,914.00	19.22	344.14	IncAzi-MWD	Scientific Drilling
1/22/2012	2,977.00	19.21	343.63	IncAzi-MWD	Scientific Drilling
1/22/2012	3,040.00	19.32	343.26	IncAzi-MWD	Scientific Drilling
1/22/2012	3,104.00	18.66	343.26	IncAzi-MWD	Scientific Drilling
1/22/2012	3,167.00	18.05	344.69	IncAzi-MWD	Scientific Drilling
1/22/2012	3,230.00	16.41	345.53	IncAzi-MWD	Scientific Drilling
1/22/2012	3,293.00	14.49	343.70	IncAzi-MWD	Scientific Drilling
1/22/2012	3,357.00	13.49	342.22	IncAzi-MWD	Scientific Drilling
1/22/2012	3,420.00	12.94	340.54	IncAzi-MWD	Scientific Drilling
1/22/2012	3,484.00	12.46	340.61	IncAzi-MWD	Scientific Drilling
1/22/2012	3,547.00	11.27	339.93	IncAzi-MWD	Scientific Drilling
1/22/2012	3,610.00	9.44	337.12	IncAzi-MWD	Scientific Drilling
1/22/2012	3,673.00	8.24	337.05	IncAzi-MWD	Scientific Drilling
1/22/2012	3,736.00	8.32	335.69	IncAzi-MWD	Scientific Drilling
1/22/2012	3,800.00	7.72	336.25	IncAzi-MWD	Scientific Drilling
1/22/2012	3,863.00	5.28	336.71	IncAzi-MWD	Scientific Drilling
1/22/2012	3,956.00	1.95	335.78	IncAzi-MWD	Scientific Drilling
1/22/2012	4,015.00	0.33	335.78	Projection	Scientific Drilling
2/2/2012	8,105.00	1.25		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.



Subscribed and sworn to me this 3/28/12



Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



RCVD MAR 28 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 25-T29N-R7W
San Juan 29-7 Unit #138M

OH

Design: OH

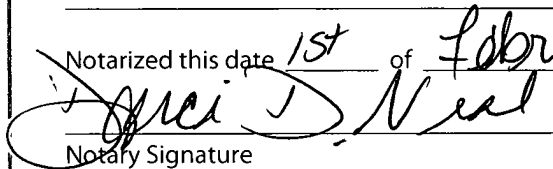
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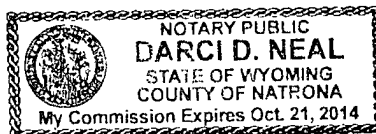
Standard Survey Report

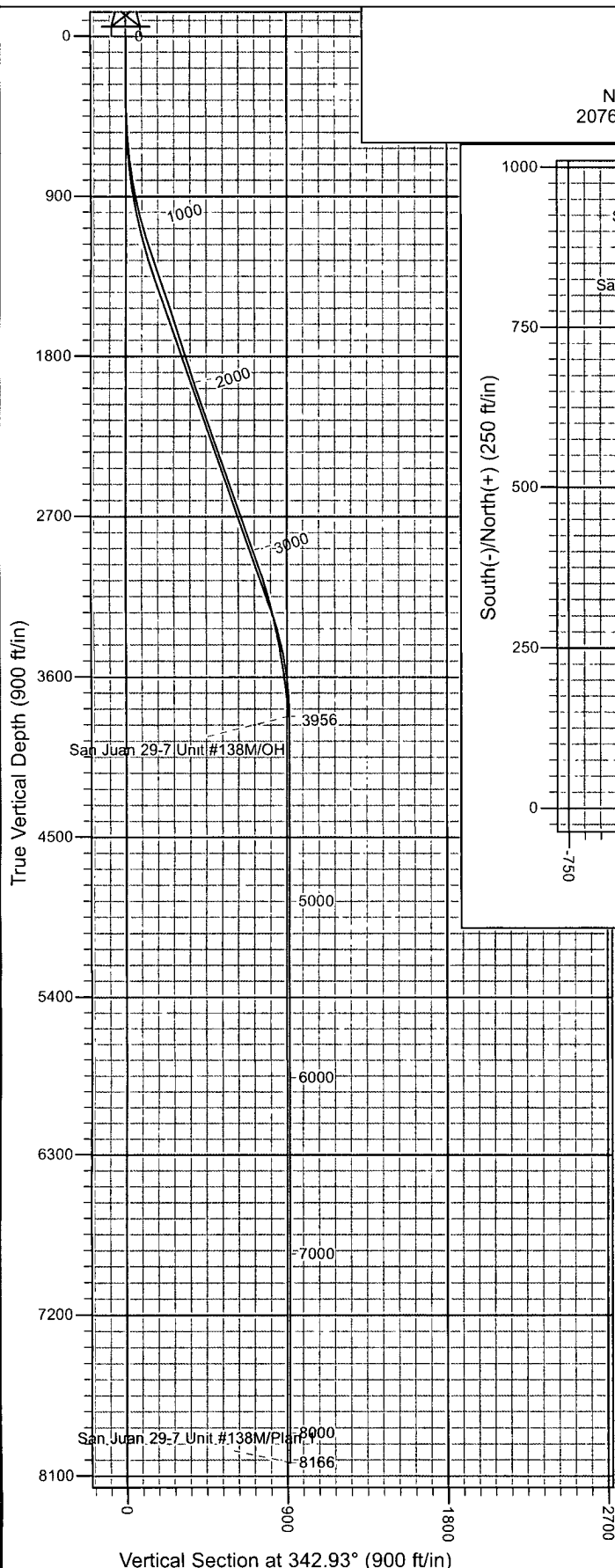
01 February, 2012

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

Notarized this date 1st of February, 2012.


Notary Signature
County of Natrona
State of Wyoming



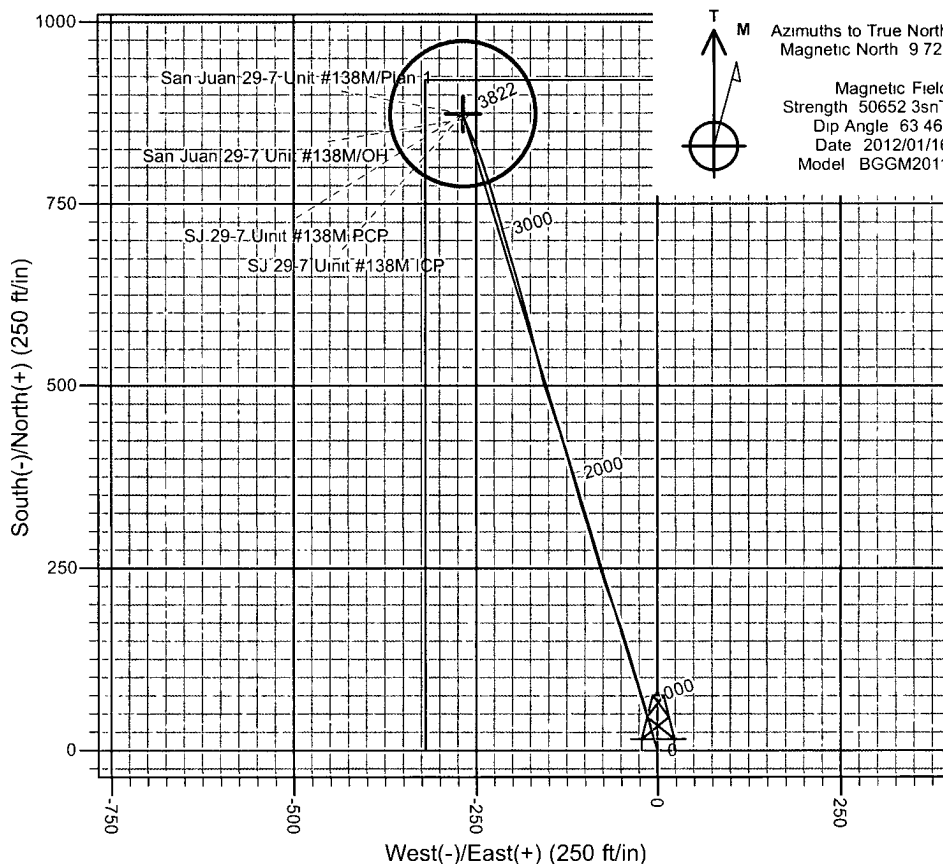


WELL DETAILS: San Juan 29-7 Unit #138M

GL 6735' & KB 15' @ 6750.0ft (AWS 711)

Ground Level: 6735 0

Northing	Easting	Latitude	Longitude
2076388.53	125523.37	36° 41' 58.752 N	107° 31' 38.538 W



Azimuths to True North
 Magnetic North 9 72°

Magnetic Field
 Strength 50652 3snT
 Dip Angle 63 46°
 Date 2012/01/16
 Model BGGM2011

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 29-7 Unit #138M, True North
 Vertical (TVD) Reference: GL 6735' & KB 15' @ 6750.0ft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6735' & KB 15' @ 6750.0ft (AWS 711)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico Central 3002
 System Datum: Mean Sea Level

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit #138M
Project:	SJB (NM Central)	TVD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Site:	SEC 25-T29N-R7W	MD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Well:	San Juan 29-7 Unit #138M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Project	SJB (NM Central), 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 Central 3002		Using geodetic scale factor

Site	SEC 25-T29N-R7W		
Site Position:		Northing:	2,074,121.34 ft
From:	Lat/Long	Easting:	128,580.11 ft
Position Uncertainty:	15.0 ft	Slot Radius:	3-1/2"
		Latitude:	36° 41' 36.738 N
		Longitude:	107° 31' 0.642 W
		Grid Convergence:	-0.76 °

Well	San Juan 29-7 Unit #138M, 1580' FNL 980' FWL		
Well Position	+N/-S	0.0 ft	Northing: 2,076,388.53 ft
	+E/-W	0.0 ft	Easting: 125,523.37 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 41' 58.752 N
		Longitude:	107° 31' 38.538 W
		Ground Level:	6,735.0 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2011	2012/01/16	9.72
			Dip Angle (°) 63.46
			Field Strength (nT) 50,652

Design	OH		
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 (°) 342.93

Survey Program	Date	2012/02/01		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
335.0	3,956.0	Survey #1 (OH)	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
335.0	0.18	232.97	335.0	-0.3	-0.4	-0.2	0.05	0.05	0.00
First SDI MWD Survey									
397.0	0.86	4.69	397.0	0.1	-0.5	0.2	1.60	1.10	212.45
458.0	2.10	353.03	458.0	1.7	-0.6	1.7	2.08	2.03	-19.11
520.0	3.15	350.13	519.9	4.5	-1.0	4.6	1.71	1.69	-4.68
581.0	4.04	341.63	580.8	8.2	-2.0	8.4	1.70	1.46	-13.93
643.0	5.40	337.88	642.6	12.9	-3.7	13.5	2.25	2.19	-6.05
704.0	6.87	344.02	703.2	19.1	-5.8	20.0	2.64	2.41	10.07
764.0	8.21	345.25	762.7	26.7	-7.9	27.8	2.25	2.23	2.05
825.0	9.75	344.61	823.0	35.9	-10.4	37.3	2.53	2.52	-1.05
887.0	11.18	343.50	883.9	46.7	-13.5	48.6	2.33	2.31	-1.79
950.0	12.54	342.29	945.6	59.1	-17.3	61.6	2.19	2.16	-1.92

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit #138M
Project:	SJB (NM Central)	TVD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Site:	SEC 25-T29N-R7W	MD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Well:	San Juan 29-7 Unit #138M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

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)	
1,013.0	14.34	342.02	1,006.9	73.0	-21.8	76.2	2.86	2.86	-0.43	
1,077.0	15.78	343.84	1,068.7	88.9	-26.7	92.8	2.37	2.25	2.84	
1,141.0	17.07	343.52	1,130.0	106.3	-31.7	110.9	2.02	2.02	-0.50	
1,203.0	18.26	343.60	1,189.1	124.3	-37.1	129.7	1.92	1.92	0.13	
1,267.0	18.87	342.96	1,249.8	143.8	-42.9	150.1	1.00	0.95	-1.00	
1,330.0	18.94	341.91	1,309.4	163.3	-49.1	170.5	0.55	0.11	-1.67	
1,394.0	19.10	340.54	1,369.9	183.0	-55.8	191.4	0.74	0.25	-2.14	
1,457.0	19.10	339.86	1,429.4	202.4	-62.8	211.9	0.35	0.00	-1.08	
1,521.0	18.49	341.62	1,490.0	221.9	-69.6	232.6	1.30	-0.95	2.75	
1,584.0	18.26	342.60	1,549.8	240.8	-75.7	252.4	0.61	-0.37	1.56	
1,648.0	17.53	342.68	1,610.7	259.6	-81.6	272.1	1.14	-1.14	0.13	
1,711.0	17.57	343.61	1,670.8	277.7	-87.1	291.1	0.45	0.06	1.48	
1,774.0	17.92	342.52	1,730.8	296.1	-92.7	310.3	0.77	0.56	-1.73	
1,838.0	17.59	341.79	1,791.7	314.7	-98.6	329.8	0.62	-0.52	-1.14	
1,901.0	18.00	343.29	1,851.7	333.1	-104.4	349.0	0.98	0.65	2.38	
1,964.0	17.97	343.56	1,911.6	351.7	-110.0	368.5	0.14	-0.05	0.43	
2,027.0	18.14	344.53	1,971.5	370.5	-115.3	388.0	0.55	0.27	1.54	
2,091.0	18.38	344.28	2,032.3	389.8	-120.7	408.1	0.39	0.38	-0.39	
2,154.0	19.36	343.39	2,091.9	409.4	-126.4	428.4	1.62	1.56	-1.41	
2,218.0	19.32	342.38	2,152.3	429.6	-132.6	449.6	0.53	-0.06	-1.58	
2,281.0	19.49	341.60	2,211.7	449.5	-139.1	470.6	0.49	0.27	-1.24	
2,345.0	19.67	340.50	2,272.0	469.8	-146.1	492.0	0.64	0.28	-1.72	
2,408.0	19.57	342.01	2,331.4	489.8	-152.9	513.1	0.82	-0.16	2.40	
2,472.0	19.47	345.77	2,391.7	510.4	-158.8	534.5	1.97	-0.16	5.88	
2,535.0	19.47	347.46	2,451.1	530.8	-163.7	555.5	0.89	0.00	2.68	
2,599.0	18.90	346.53	2,511.5	551.3	-168.4	576.4	1.01	-0.89	-1.45	
2,662.0	19.12	345.35	2,571.1	571.2	-173.4	596.9	0.70	0.35	-1.87	
2,725.0	19.29	345.03	2,630.6	591.2	-178.7	617.6	0.32	0.27	-0.51	
2,788.0	19.24	344.58	2,690.1	611.3	-184.1	638.4	0.25	-0.08	-0.71	
2,851.0	19.35	344.36	2,749.5	631.3	-189.7	659.2	0.21	0.17	-0.35	
2,914.0	19.22	344.14	2,809.0	651.4	-195.4	680.0	0.24	-0.21	-0.35	
2,977.0	19.21	343.63	2,868.5	671.3	-201.1	700.7	0.27	-0.02	-0.81	
3,040.0	19.32	343.26	2,928.0	691.2	-207.0	721.5	0.26	0.17	-0.59	
3,104.0	18.66	343.26	2,988.5	711.2	-213.0	742.4	1.03	-1.03	0.00	
3,167.0	18.05	344.69	3,048.3	730.2	-218.5	762.2	1.20	-0.97	2.27	
3,230.0	16.41	345.53	3,108.4	748.3	-223.3	780.8	2.63	-2.60	1.33	
3,293.0	14.49	343.70	3,169.2	764.4	-227.7	797.6	3.14	-3.05	-2.90	
3,357.0	13.49	342.22	3,231.3	779.2	-232.3	813.1	1.66	-1.56	-2.31	
3,420.0	12.94	340.54	3,292.6	792.9	-236.9	827.5	1.06	-0.87	-2.67	
3,484.0	12.46	340.61	3,355.0	806.1	-241.5	841.5	0.75	-0.75	0.11	
3,547.0	11.27	339.93	3,416.7	818.3	-245.9	854.5	1.90	-1.89	-1.08	
3,610.0	9.44	337.12	3,478.7	828.9	-250.0	865.8	3.01	-2.90	-4.46	
3,673.0	8.24	337.05	3,540.9	837.8	-253.8	875.4	1.90	-1.90	-0.11	
3,736.0	8.32	335.69	3,603.2	846.1	-257.4	884.4	0.34	0.13	-2.16	
3,800.0	7.72	336.25	3,666.6	854.3	-261.1	893.3	0.95	-0.94	0.88	
3,863.0	5.28	336.71	3,729.2	860.8	-263.9	900.4	3.87	-3.87	0.73	
3,956.0	1.95	335.78	3,822.0	866.2	-266.3	906.2	3.58	-3.58	-1.00	
Last SDI MWD Survey										

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit #138M
Project:	SJB (NM Central)	TVD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Site:	SEC 25-T29N-R7W	MD Reference:	GL 6735' & KB 15' @ 6750.0ft (AWS 711)
Well:	San Juan 29-7 Unit #138M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Checked By: _____	Approved By: _____	Date: _____
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