

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30362		² Pool Code 72319 / 71599		³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
⁴ Property Code 7620		⁵ Property Name VALDEZ			⁶ Well Number 8C
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 7355

¹⁰ SURFACE LOCATION

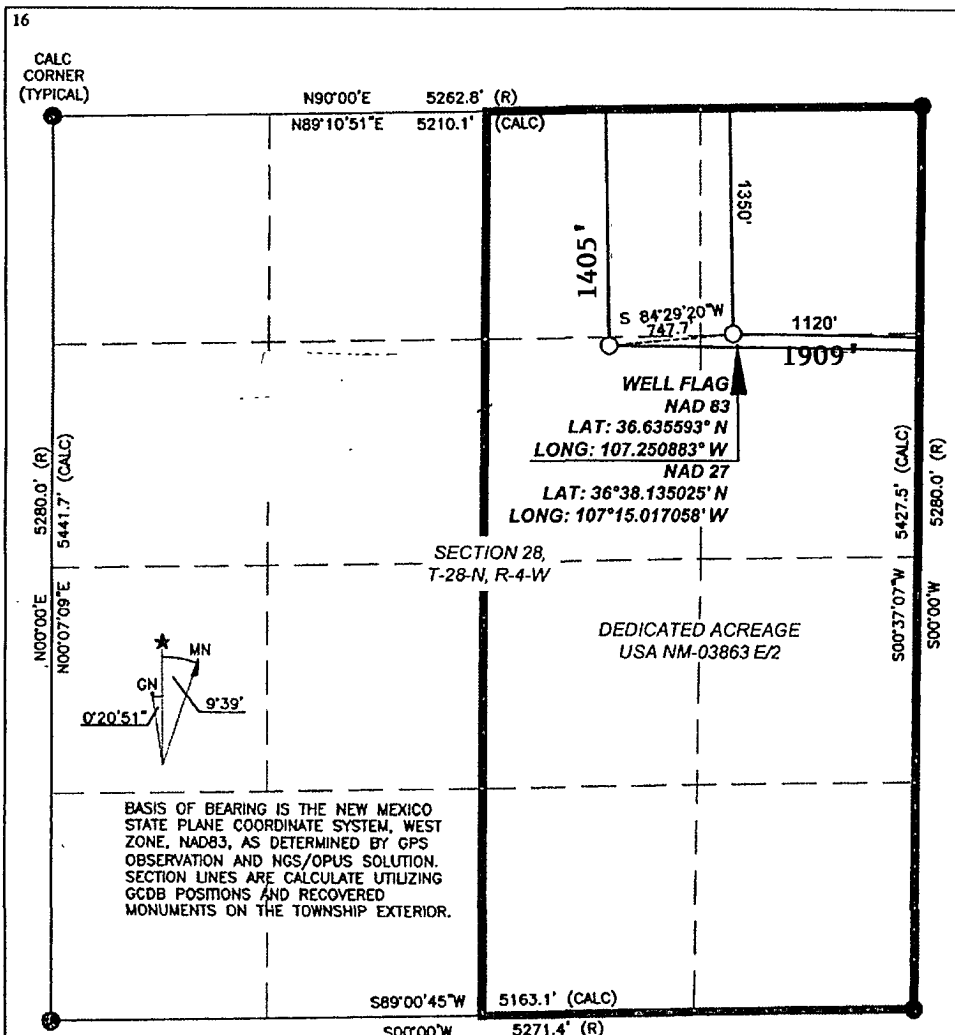
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	28-N	04-W		1350	NORTH	1120	EAST	RIO ARriba

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
G	28	28-N	04-W		1405'	NORTH	1909'	EAST	RIO ARriba

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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: *[Signature]* Date: *7/13/12*

Printed Name: **Marie E. Jaramillo**

Staff 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.

Date of Survey: *10/4/06*

Signature and Seal of Professional Surveyor

Certificate Number: *NM 11393*



COP Deviation Report

VALDEZ #8C

Operator BURLINGTON RESOURCES OIL & GAS COMPANY	Legal WellName VALDEZ #8C	API / UWI 3003930362	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 028-028N-004W-A	N/S Dist (ft) 1,350 00	N/S Ref FNL	E/W Dist (ft) 1,120 00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
9/8/2011	129.00	0.75		Inc-Drop	MO-TE DRILLING INC	
9/8/2011	234.00	1.00		Inc-Drop	MO-TE DRILLING INC	
10/15/2011	283.00	0.51	254.87	IncAzi-MWD	Scientific Drilling	
10/15/2011	344.00	0.58	254.71	IncAzi-MWD	Scientific Drilling	
10/15/2011	406.00	1.00	262.24	IncAzi-MWD	Scientific Drilling	
10/15/2011	436.00	1.21	267.19	IncAzi-MWD	Scientific Drilling	
10/15/2011	498.00	1.43	254.11	IncAzi-MWD	Scientific Drilling	
10/15/2011	559.00	1.29	262.15	IncAzi-MWD	Scientific Drilling	
10/15/2011	620.00	1.47	258.44	IncAzi-MWD	Scientific Drilling	
10/15/2011	681.00	1.39	250.16	IncAzi-MWD	Scientific Drilling	
10/15/2011	743.00	1.54	250.09	IncAzi-MWD	Scientific Drilling	
10/15/2011	804.00	1.50	247.12	IncAzi-MWD	Scientific Drilling	
10/15/2011	866.00	1.47	244.38	IncAzi-MWD	Scientific Drilling	
10/15/2011	927.00	1.48	260.75	IncAzi-MWD	Scientific Drilling	
10/15/2011	989.00	1.97	284.69	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,051.00	2.03	281.46	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,114.00	2.04	275.72	IncAzi-MWD	Scientific Drilling	
10/18/2011	1,178.00	1.95	279.70	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,241.00	1.89	292.53	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,305.00	2.14	291.67	IncAzi-MWD	Scientific Drilling	
10/18/2011	1,368.00	3.19	280.15	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,431.00	4.13	275.34	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,494.00	5.57	276.85	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,557.00	6.80	271.12	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,621.00	8.05	272.55	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,684.00	9.47	271.47	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,747.00	10.85	270.50	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,811.00	12.20	269.79	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,874.00	13.39	268.24	IncAzi-MWD	Scientific Drilling	
10/15/2011	1,937.00	14.95	268.91	IncAzi-MWD	Scientific Drilling	
10/16/2011	2,001.00	16.47	271.15	IncAzi-MWD	Scientific Drilling	
10/16/2011	2,064.00	17.91	272.07	IncAzi-MWD	Scientific Drilling	
10/16/2011	2,128.00	19.33	271.51	IncAzi-MWD	Scientific Drilling	
10/16/2011	2,191.00	20.71	272.08	IncAzi-MWD	Scientific Drilling	
10/16/2011	2,255.00	21.59	271.99	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 (°)	Azm (°)	Method	Survey Company
10/16/2011	2,318.00	22.15	271.44	IncAzi-MWD	Scientific Drilling
10/16/2011	2,381.00	22.75	271.30	IncAzi-MWD	Scientific Drilling
10/16/2011	2,445.00	23.38	269.77	IncAzi-MWD	Scientific Drilling
10/16/2011	2,509.00	23.55	269.63	IncAzi-MWD	Scientific Drilling
10/16/2011	2,572.00	22.74	269.07	IncAzi-MWD	Scientific Drilling
10/16/2011	2,636.00	23.12	269.09	IncAzi-MWD	Scientific Drilling
10/16/2011	2,699.00	22.72	268.60	IncAzi-MWD	Scientific Drilling
10/16/2011	2,761.00	20.93	267.87	IncAzi-MWD	Scientific Drilling
10/16/2011	2,825.00	19.86	266.27	IncAzi-MWD	Scientific Drilling
10/16/2011	2,888.00	19.82	265.94	IncAzi-MWD	Scientific Drilling
10/16/2011	2,952.00	19.29	264.76	IncAzi-MWD	Scientific Drilling
10/16/2011	3,015.00	17.84	264.04	IncAzi-MWD	Scientific Drilling
10/16/2011	3,079.00	17.78	262.54	IncAzi-MWD	Scientific Drilling
10/16/2011	3,142.00	16.82	261.56	IncAzi-MWD	Scientific Drilling
10/16/2011	3,206.00	15.71	262.87	IncAzi-MWD	Scientific Drilling
10/16/2011	3,269.00	15.58	261.83	IncAzi-MWD	Scientific Drilling
10/16/2011	3,332.00	14.88	261.45	IncAzi-MWD	Scientific Drilling
10/16/2011	3,395.00	13.54	261.67	IncAzi-MWD	Scientific Drilling
10/16/2011	3,458.00	13.41	261.76	IncAzi-MWD	Scientific Drilling
10/16/2011	3,522.00	13.46	259.37	IncAzi-MWD	Scientific Drilling
10/16/2011	3,585.00	13.44	261.60	IncAzi-MWD	Scientific Drilling
10/16/2011	3,648.00	13.85	258.81	IncAzi-MWD	Scientific Drilling
10/16/2011	3,712.00	13.52	258.26	IncAzi-MWD	Scientific Drilling
10/16/2011	3,775.00	12.89	258.26	IncAzi-MWD	Scientific Drilling
10/16/2011	3,838.00	11.91	257.20	IncAzi-MWD	Scientific Drilling
10/16/2011	3,901.00	10.70	254.51	IncAzi-MWD	Scientific Drilling
10/16/2011	3,964.00	8.86	256.19	IncAzi-MWD	Scientific Drilling
10/16/2011	4,027.00	8.10	255.59	IncAzi-MWD	Scientific Drilling
10/17/2011	4,091.00	7.30	258.78	IncAzi-MWD	Scientific Drilling
10/17/2011	4,154.00	6.47	257.92	IncAzi-MWD	Scientific Drilling
10/17/2011	4,217.00	5.90	259.37	IncAzi-MWD	Scientific Drilling
10/17/2011	4,280.00	5.47	257.31	IncAzi-MWD	Scientific Drilling
10/17/2011	4,343.00	4.83	256.23	IncAzi-MWD	Scientific Drilling
10/17/2011	4,406.00	4.06	255.92	IncAzi-MWD	Scientific Drilling
10/17/2011	4,470.00	3.98	258.03	IncAzi-MWD	Scientific Drilling
10/17/2011	4,533.00	3.66	263.03	IncAzi-MWD	Scientific Drilling
10/17/2011	4,596.00	2.74	261.16	IncAzi-MWD	Scientific Drilling
10/31/2011	4,641.00	2.00		Inc-MWD	Aztec Well Servicing Co Inc
10/18/2011	4,645.00	2.30	264.98	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 (°)	Azm (°)	Method	Survey Company
10/31/2011	4,693.00	2.00		Inc-MWD	Aztec Well Servicing Co Inc
10/18/2011	4,695.00	2.30	264.98	IncAzi-MWD	Scientific Drilling
10/31/2011	4,737.00	2.00		Inc-MWD	Aztec Well Servicing Co Inc
11/1/2011	4,768.00	2.00		Inc-MWD	Aztec Well Servicing Co Inc
11/2/2011	4,898.00	5.50		Inc-MWD	Aztec Well Servicing Co Inc
11/2/2011	4,900.00	5.50		Inc-MWD	Aztec Well Servicing Co Inc
11/2/2011	4,961.00	5.00		Inc-MWD	Aztec Well Servicing Co Inc
11/3/2011	4,970.00	3.50		Inc-MWD	Aztec Well Servicing Co Inc
11/3/2011	5,020.00	3.00		Inc-MWD	Aztec Well Servicing Co Inc
11/3/2011	5,080.00	4.00		Inc-MWD	Aztec Well Servicing Co Inc
11/28/2011	8,755.00	1.00		Inc-WL	Phoenix Services LLC

I, the undersigned, certify that I acting in my capacity as Dillon Eugene 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 6/28/12

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14

RCVD JUL 2 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 28-T28N-R4W
Valdez 8C

Original Hole

Design: Original Hole

Standard Survey Report

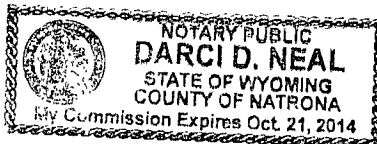
05 December, 2011

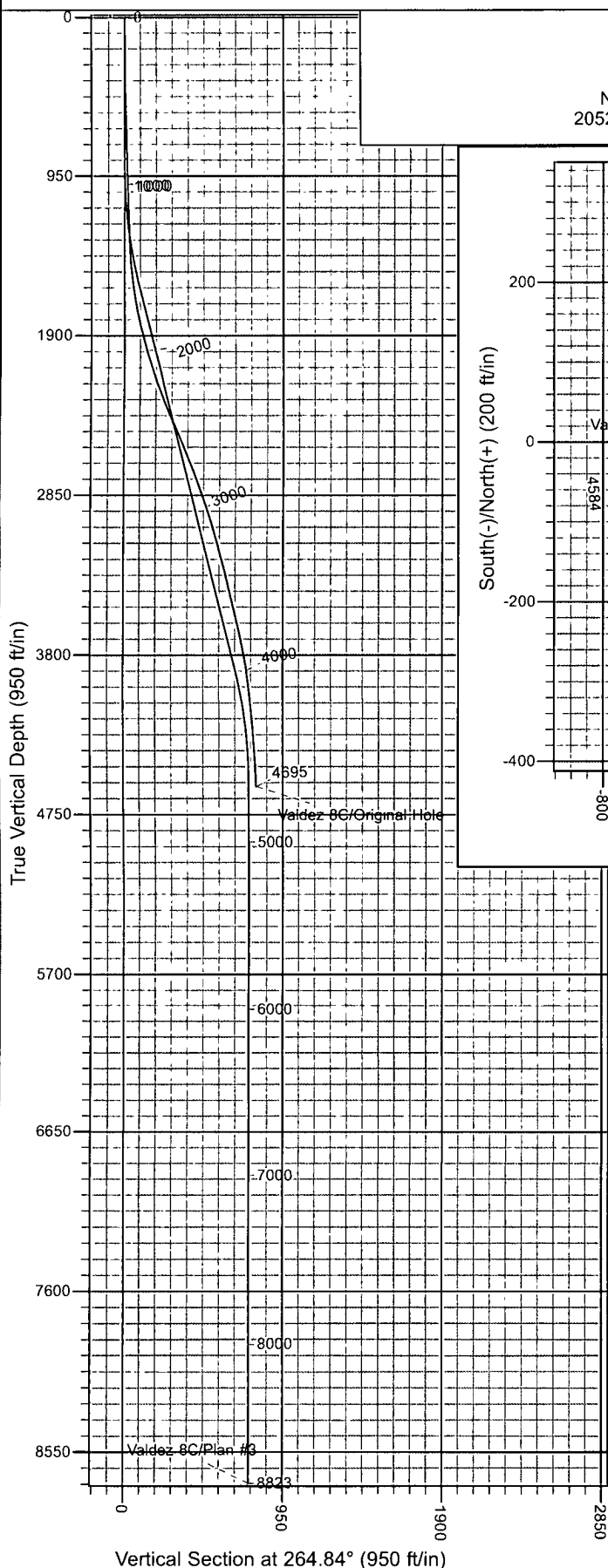
This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 6th of December, 2011.

Darci D. Neal

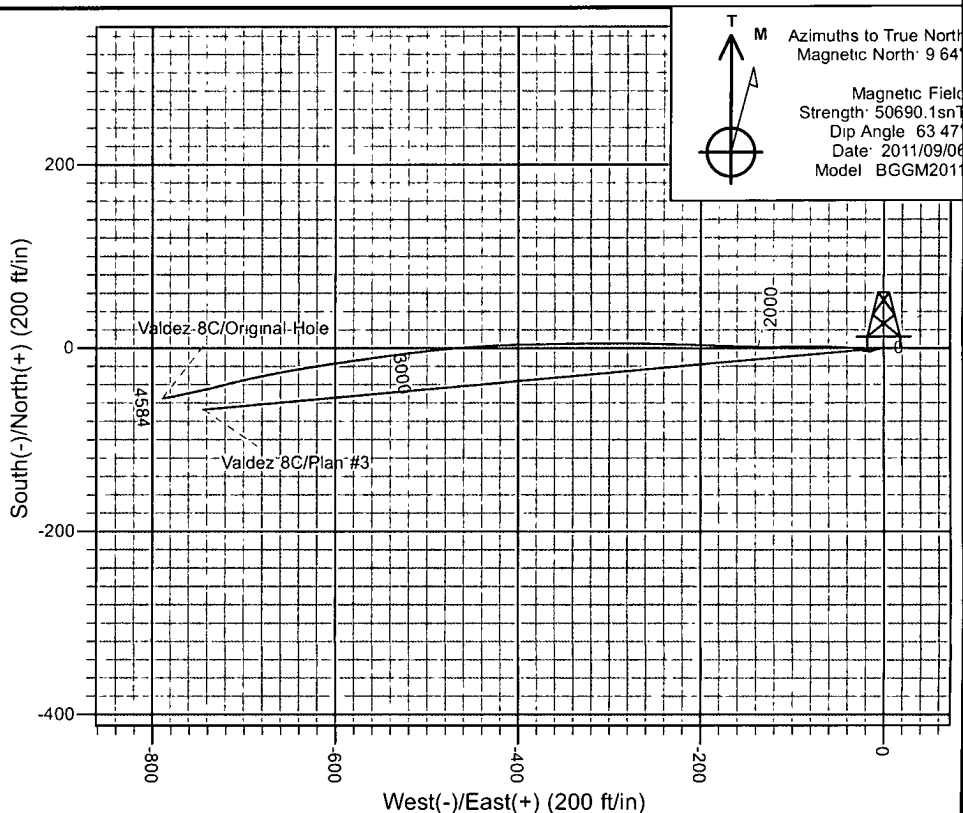
Notary Signature
County of Natrona
State of Wyoming





WELL DETAILS: Valdez 8C
AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Ground Level: 7355.0

Northing 2052098.95 Easting 206514.33 Latitude 36° 38' 8.101 N Longitude 107° 15' 1.023 W



Azimuths to True North
Magnetic North: 9 64
Magnetic Field
Strength: 50690.1snT
Dip Angle: 63.47
Date: 2011/09/06
Model: BGGM2011

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Valdez 8C, True North
Vertical (TVD) Reference: AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 7370.0ft (15' DF + 7355' GL)
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

Scientific Drilling Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Valdez 8C
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Site:	SEC 28-T28N-R4W	MD Reference:	AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Well:	Valdez 8C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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 28-T28N-R4W					
Site Position:		Northing:		2,049,713.62 ft		Latitude:		36° 37' 44.233 N			
From:		Lat/Long		Easting:		203,776.24 ft		Longitude:		107° 15' 34.307 W	
Position Uncertainty:		0 0 ft		Slot Radius:		6-1/8 "		Grid Convergence:		-0 60 °	

Well	Valdez 8C, S-type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,052,098.95 ft	Latitude:	36° 38' 8 101 N
	+E/-W	0.0 ft	Easting:	206,514.33 ft	Longitude:	107° 15' 1.023 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	7,355 0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2011	2011/09/06	9 64	63.47	50,690

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	264 84

Survey Program	Date	2011/12/05			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
283.0	4,695.0	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	
283 0	0.51	254.87	283.0	-0.3	-1 2	1.2	0.18	0.18	0.00	
First SDI MWD Survey										
344 0	0.58	254.71	344 0	-0.5	-1 8	1.8	0.11	0.11	-0 26	
406 0	1.00	262.24	406.0	-0.6	-2 6	2.7	0.70	0.68	12.15	
436.0	1.21	267.19	436 0	-0.7	-3 2	3.2	0 77	0.70	16.50	
498.0	1.43	254.11	498 0	-0.9	-4 6	4 7	0 60	0 35	-21 10	
559.0	1.29	262.15	558.9	-1.2	-6 0	6.1	0.39	-0.23	13 18	
620.0	1.47	258.44	619.9	-1.5	-7 4	7.6	0 33	0.30	-6 08	
681.0	1 39	250 16	680.9	-1 9	-8 9	9.0	0 36	-0.13	-13.57	
743 0	1 54	250.09	742.9	-2 4	-10 4	10.6	0 24	0 24	-0 11	
804 0	1.50	247.12	803.9	-3.0	-11 9	12.1	0.14	-0.07	-4 87	
866 0	1.47	244 38	865.8	-3.7	-13 4	13.6	0.12	-0.05	-4.42	

Scientific Drilling

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Valdez 8C
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Site:	SEC 28-T28N-R4W	MD Reference:	AWS 711 @ 7370.0ft (15' DF + 7355' GL)
Well:	Valdez 8C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)	
927.0	1.48	260.75	926.8	-4.1	-14.9	15.2	0.69	0.02	26.84	
989.0	1.97	284.69	988.8	-4.0	-16.7	17.0	1.39	0.79	38.61	
1,051.0	2.03	281.46	1,050.8	-3.5	-18.8	19.0	0.21	0.10	-5.21	
1,114.0	2.04	275.72	1,113.7	-3.2	-21.0	21.2	0.32	0.02	-9.11	
1,178.0	1.95	279.70	1,177.7	-2.9	-23.2	23.4	0.26	-0.14	6.22	
1,241.0	1.89	292.53	1,240.7	-2.3	-25.2	25.3	0.69	-0.10	20.37	
1,305.0	2.14	291.67	1,304.6	-1.5	-27.3	27.3	0.39	0.39	-1.34	
1,368.0	3.19	280.15	1,367.5	-0.7	-30.1	30.1	1.86	1.67	-18.29	
1,431.0	4.13	275.34	1,430.4	-0.2	-34.1	34.0	1.57	1.49	-7.63	
1,494.0	5.57	276.85	1,493.2	0.4	-39.4	39.2	2.29	2.29	2.40	
1,557.0	6.80	271.12	1,555.8	0.8	-46.2	45.9	2.18	1.95	-9.10	
1,621.0	8.05	272.55	1,619.3	1.1	-54.4	54.1	1.97	1.95	2.23	
1,684.0	9.47	271.47	1,681.5	1.4	-64.0	63.6	2.27	2.25	-1.71	
1,747.0	10.85	270.50	1,743.6	1.6	-75.1	74.7	2.21	2.19	-1.54	
1,811.0	12.20	269.79	1,806.3	1.6	-87.9	87.4	2.12	2.11	-1.11	
1,874.0	13.39	268.24	1,867.7	1.4	-101.9	101.3	1.97	1.89	-2.46	
1,937.0	14.95	268.91	1,928.8	1.0	-117.3	116.7	2.49	2.48	1.06	
2,001.0	16.47	271.15	1,990.4	1.0	-134.6	134.0	2.56	2.38	3.50	
2,064.0	17.91	272.07	2,050.6	1.6	-153.2	152.5	2.33	2.29	1.46	
2,128.0	19.33	271.51	2,111.2	2.2	-173.6	172.7	2.24	2.22	-0.88	
2,191.0	20.71	272.08	2,170.4	2.9	-195.2	194.1	2.21	2.19	0.90	
2,255.0	21.59	271.99	2,230.1	3.7	-218.3	217.1	1.38	1.38	-0.14	
2,318.0	22.15	271.44	2,288.6	4.4	-241.7	240.4	0.95	0.89	-0.87	
2,381.0	22.75	271.30	2,346.8	5.0	-265.8	264.3	0.96	0.95	-0.22	
2,445.0	23.38	269.77	2,405.7	5.2	-290.9	289.2	1.36	0.98	-2.39	
2,509.0	23.55	269.63	2,464.4	5.1	-316.3	314.6	0.28	0.27	-0.22	
2,572.0	22.74	269.07	2,522.3	4.8	-341.1	339.3	1.33	-1.29	-0.89	
2,636.0	23.12	269.09	2,581.3	4.4	-366.0	364.1	0.59	0.59	0.03	
2,699.0	22.72	268.60	2,639.3	3.9	-390.6	388.6	0.70	-0.63	-0.78	
2,761.0	20.93	267.87	2,696.8	3.2	-413.6	411.6	2.92	-2.89	-1.18	
2,825.0	19.86	266.27	2,756.8	2.1	-435.9	433.9	1.89	-1.67	-2.50	
2,888.0	19.82	265.94	2,816.1	0.6	-457.2	455.3	0.19	-0.06	-0.52	
2,952.0	19.29	264.76	2,876.4	-1.1	-478.5	476.7	1.03	-0.83	-1.84	
3,015.0	17.84	264.04	2,936.1	-3.1	-498.5	496.8	2.33	-2.30	-1.14	
3,079.0	17.78	262.54	2,997.0	-5.4	-518.0	516.3	0.72	-0.09	-2.34	
3,142.0	16.82	261.56	3,057.2	-8.0	-536.5	535.0	1.59	-1.52	-1.56	
3,206.0	15.71	262.87	3,118.6	-10.4	-554.3	552.9	1.83	-1.73	2.05	
3,269.0	15.58	261.83	3,179.3	-12.7	-571.1	569.9	0.49	-0.21	-1.65	
3,332.0	14.88	261.45	3,240.1	-15.1	-587.5	586.4	1.12	-1.11	-0.60	
3,395.0	13.54	261.67	3,301.2	-17.3	-602.8	601.9	2.13	-2.13	0.35	
3,458.0	13.41	261.76	3,362.4	-19.4	-617.3	616.5	0.21	-0.21	0.14	
3,522.0	13.46	259.37	3,424.7	-21.9	-632.0	631.4	0.87	0.08	-3.73	
3,585.0	13.44	261.60	3,485.9	-24.3	-646.4	646.0	0.82	-0.03	3.54	
3,648.0	13.85	258.81	3,547.2	-26.8	-661.1	660.8	1.23	0.65	-4.43	
3,712.0	13.52	258.26	3,609.3	-29.8	-675.9	675.8	0.55	-0.52	-0.86	
3,775.0	12.89	258.26	3,670.7	-32.8	-690.0	690.1	1.00	-1.00	0.00	
3,838.0	11.91	257.20	3,732.2	-35.6	-703.2	703.6	1.60	-1.56	-1.68	
3,901.0	10.70	254.51	3,794.0	-38.6	-715.2	715.8	2.09	-1.92	-4.27	
3,964.0	8.86	256.19	3,856.1	-41.4	-725.5	726.3	2.96	-2.92	2.67	
4,027.0	8.10	255.59	3,918.4	-43.6	-734.5	735.5	1.21	-1.21	-0.95	
4,091.0	7.30	258.78	3,981.8	-45.5	-742.9	744.0	1.42	-1.25	4.98	
4,154.0	6.47	257.92	4,044.3	-47.1	-750.3	751.5	1.33	-1.32	-1.37	
4,217.0	5.90	259.37	4,107.0	-48.4	-756.9	758.2	0.94	-0.90	2.30	
4,280.0	5.47	257.31	4,169.7	-49.7	-763.1	764.4	0.76	-0.68	-3.27	

Scientific Drilling

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Valdez 8C
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 7370 0ft (15' DF + 7355' GL)
Site:	SEC 28-T28N-R4W	MD Reference:	AWS 711 @ 7370 0ft (15' DF + 7355' GL)
Well:	Valdez 8C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)	
4,343.0	4.83	256.23	4,232.4	-51.0	-768.6	770.0	1.03	-1.02	-1.71	
4,406.0	4.06	255.92	4,295.2	-52.1	-773.3	774.9	1.22	-1.22	-0.49	
4,470.0	3.98	258.03	4,359.1	-53.1	-777.7	779.3	0.26	-0.13	3.30	
4,533.0	3.66	263.03	4,421.9	-53.8	-781.8	783.5	0.73	-0.51	7.94	
4,596.0	2.74	261.16	4,484.8	-54.3	-785.3	787.0	1.47	-1.46	-2.97	
4,645.0	2.30	264.98	4,533.8	-54.6	-787.4	789.1	0.96	-0.90	7.80	
4,695.0	2.30	264.98	4,583.7	-54.8	-789.4	791.1	0.00	0.00	0.00	
Last SDI MWD Survey										

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------