

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

AS DRILLED PLAT

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35326	² Pool Code 1599/97232/72319	³ Pool Name BASIN DAKOTA/BASIN MANCOS/BLANCO MESAVERDE
⁴ Property Code 38773	⁵ Property Name HEATON COM B	⁶ Well Number 2N
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5861

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
J	30	31 N	11 W		2049	SOUTH	1592	EAST	SAN JUAN

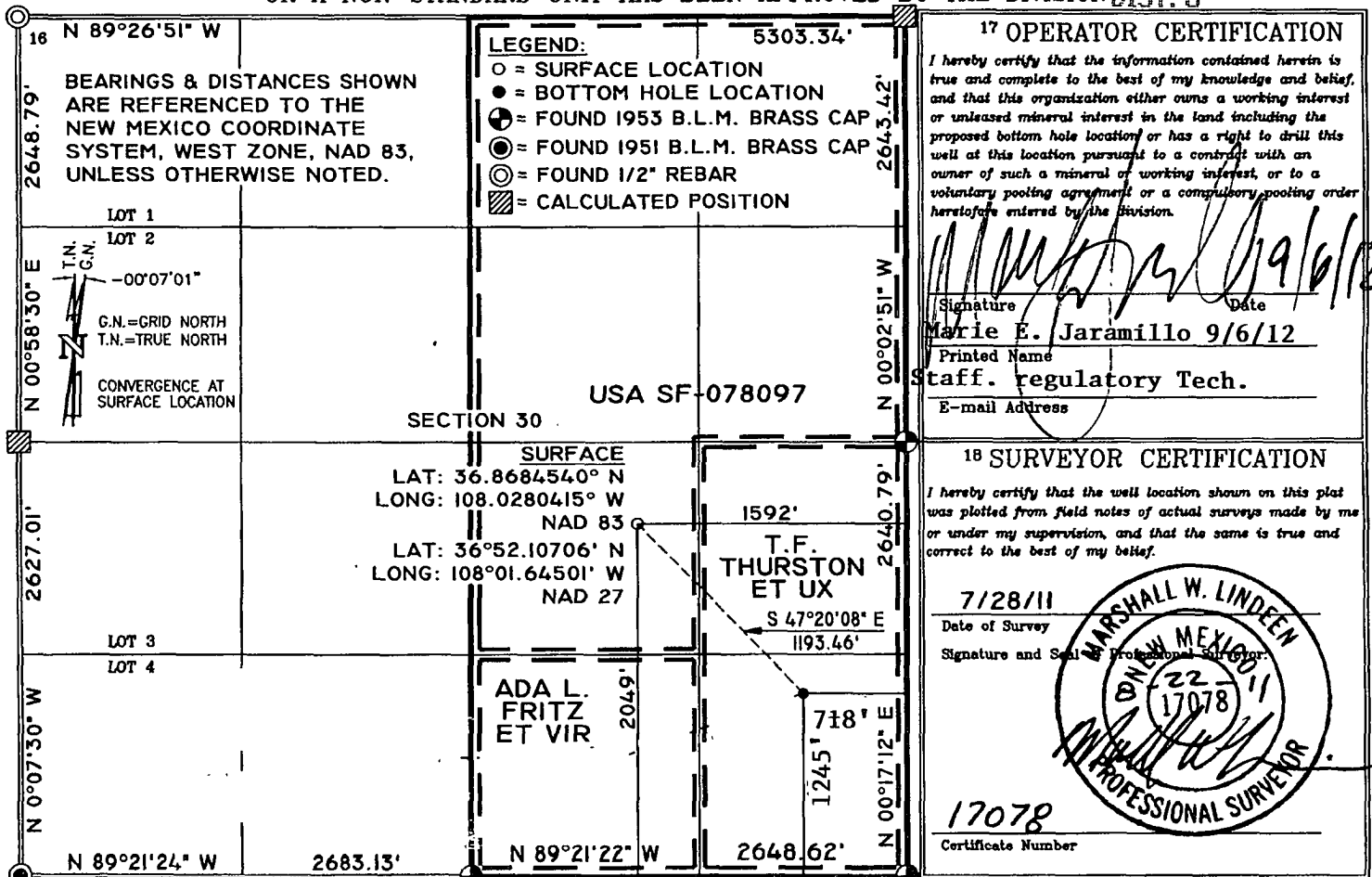
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	31 N	11 W		1245'	SOUTH	718'	EAST	SAN JUAN

¹² Dedicated Acres 320 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCVD SEP 10 '12
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





COP Deviation Report

HEATON COM B #2N

RCVD SEP 10 12
OIL CONS. DIV.
DIST. 13

Operator CONOCOPHILLIPS COMPANY	Legal WellName HEATON COM B #2N	API / UWI 3004535326	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 030-031N-011W-J	N/S Dist (ft) 2,049.00	N/S Ref FSL	E/W Dist (ft) 1,592.00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
5/14/2012	130.00	0.25		Inc-WL	Mo Te Drilling Inc	
5/14/2012	238.00	0.00		Inc-WL	Mo Te Drilling Inc	
6/9/2012	268.00	0.45	241.22	IncAzi-MWD	Scientific Drilling	
6/9/2012	298.00	0.05	75.98	IncAzi-MWD	Scientific Drilling	
6/9/2012	329.00	1.28	163.39	IncAzi-MWD	Scientific Drilling	
6/9/2012	359.00	2.64	149.38	IncAzi-MWD	Scientific Drilling	
6/9/2012	390.00	3.55	137.56	IncAzi-MWD	Scientific Drilling	
6/9/2012	420.00	4.80	138.31	IncAzi-MWD	Scientific Drilling	
6/9/2012	451.00	5.48	138.42	IncAzi-MWD	Scientific Drilling	
6/9/2012	481.00	6.74	140.20	IncAzi-MWD	Scientific Drilling	
6/9/2012	512.00	7.42	136.97	IncAzi-MWD	Scientific Drilling	
6/9/2012	543.00	7.94	135.92	IncAzi-MWD	Scientific Drilling	
6/9/2012	573.00	9.00	135.39	IncAzi-MWD	Scientific Drilling	
6/9/2012	604.00	10.25	137.06	IncAzi-MWD	Scientific Drilling	
6/10/2012	630.00	10.80	135.14	IncAzi-MWD	Scientific Drilling	
6/10/2012	661.00	11.89	136.72	IncAzi-MWD	Scientific Drilling	
6/10/2012	691.00	12.52	136.79	IncAzi-MWD	Scientific Drilling	
6/10/2012	722.00	13.17	135.33	IncAzi-MWD	Scientific Drilling	
6/10/2012	752.00	13.86	136.24	IncAzi-MWD	Scientific Drilling	
6/10/2012	783.00	14.66	135.82	IncAzi-MWD	Scientific Drilling	
6/10/2012	813.00	15.26	135.35	IncAzi-MWD	Scientific Drilling	
6/10/2012	845.00	15.76	135.35	IncAzi-MWD	Scientific Drilling	
6/10/2012	877.00	16.20	134.02	IncAzi-MWD	Scientific Drilling	
6/10/2012	908.00	16.72	132.29	IncAzi-MWD	Scientific Drilling	
6/10/2012	939.00	17.38	132.43	IncAzi-MWD	Scientific Drilling	
6/10/2012	971.00	18.26	131.21	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,003.00	19.32	130.44	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,035.00	20.39	129.31	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,067.00	21.19	129.90	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,099.00	21.87	130.91	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,130.00	22.78	130.28	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,162.00	23.55	130.68	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,193.00	24.70	130.12	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,256.00	26.69	130.93	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,319.00	27.03	131.54	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,383.00	26.82	130.85	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	
6/10/2012	1,446.00	27.37	130.53	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,510.00	27.98	130.90	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,573.00	27.70	131.67	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,637.00	26.54	133.07	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,700.00	25.49	133.46	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,762.00	25.96	133.40	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,826.00	25.69	132.59	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,889.00	25.42	132.89	IncAzi-MWD	Scientific Drilling	
6/10/2012	1,952.00	24.59	132.39	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,016.00	24.12	131.79	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,079.00	24.02	132.47	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,141.00	23.18	132.79	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,204.00	23.32	133.27	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,268.00	22.81	133.69	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,331.00	22.70	133.44	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,394.00	23.29	133.17	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,457.00	23.96	133.38	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,520.00	24.06	133.51	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,583.00	25.83	134.29	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,647.00	26.65	135.16	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,710.00	27.19	136.42	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,773.00	26.49	136.43	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,837.00	26.17	135.53	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,899.00	25.88	135.05	IncAzi-MWD	Scientific Drilling	
6/10/2012	2,962.00	24.82	135.70	IncAzi-MWD	Scientific Drilling	
6/10/2012	3,025.00	22.00	134.92	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,088.00	19.36	133.45	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,151.00	19.04	131.06	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,215.00	17.97	128.60	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,278.00	16.53	127.81	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,341.00	15.88	130.21	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,405.00	14.17	129.65	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,468.00	12.63	128.72	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,531.00	10.68	127.29	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,594.00	9.09	126.41	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,657.00	7.75	125.47	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,721.00	6.43	126.16	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,783.00	5.10	127.72	IncAzi-MWD	Scientific Drilling	
6/11/2012	3,847.00	4.41	124.49	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
6/11/2012	3,910.00	3.52	123 14	IncAzi-MWD	Scientific Drilling
6/11/2012	3,973.00	2.63	127.44	IncAzi-MWD	Scientific Drilling
6/11/2012	4,036.00	1.86	125 18	IncAzi-MWD	Scientific Drilling
6/11/2012	4,099.00	1.56	122.59	IncAzi-MWD	Scientific Drilling
6/11/2012	4,163.00	1.42	124.03	IncAzi-MWD	Scientific Drilling
6/11/2012	4,226.00	1.40	127.34	IncAzi-MWD	Scientific Drilling
6/11/2012	4,290.00	1.40	132 74	IncAzi-MWD	Scientific Drilling
6/11/2012	4,353.00	1.38	136 31	IncAzi-MWD	Scientific Drilling
6/11/2012	4,416.00	0.96	144.71	IncAzi-MWD	Scientific Drilling
6/11/2012	4,479.00	0.78	133 54	IncAzi-MWD	Scientific Drilling
6/11/2012	4,523.00	0.42	140.90	IncAzi-MWD	Scientific Drilling
6/20/2012	7,154.00	1.00		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.

[Signature]

Subscribed and sworn to me this 9/6/12

MAURICIO Jaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



RCVD SEP 10 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)
SEC 30-T31N-R11W
Heaton Com B 2N

OH

Design: OH

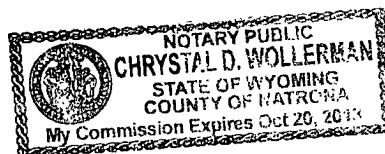
Standard Survey Report

20 June, 2012

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

Notarized this date 20th of June, 2012.

Notary Signature
County of Natrona
State of Wyoming

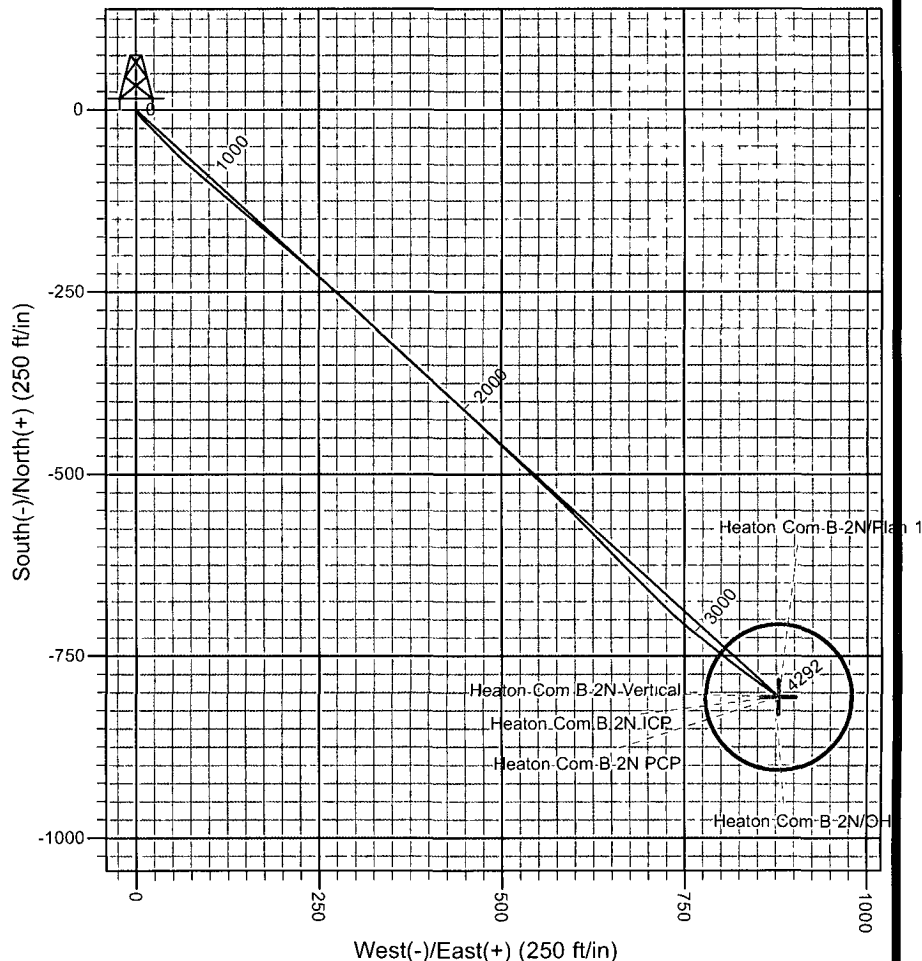
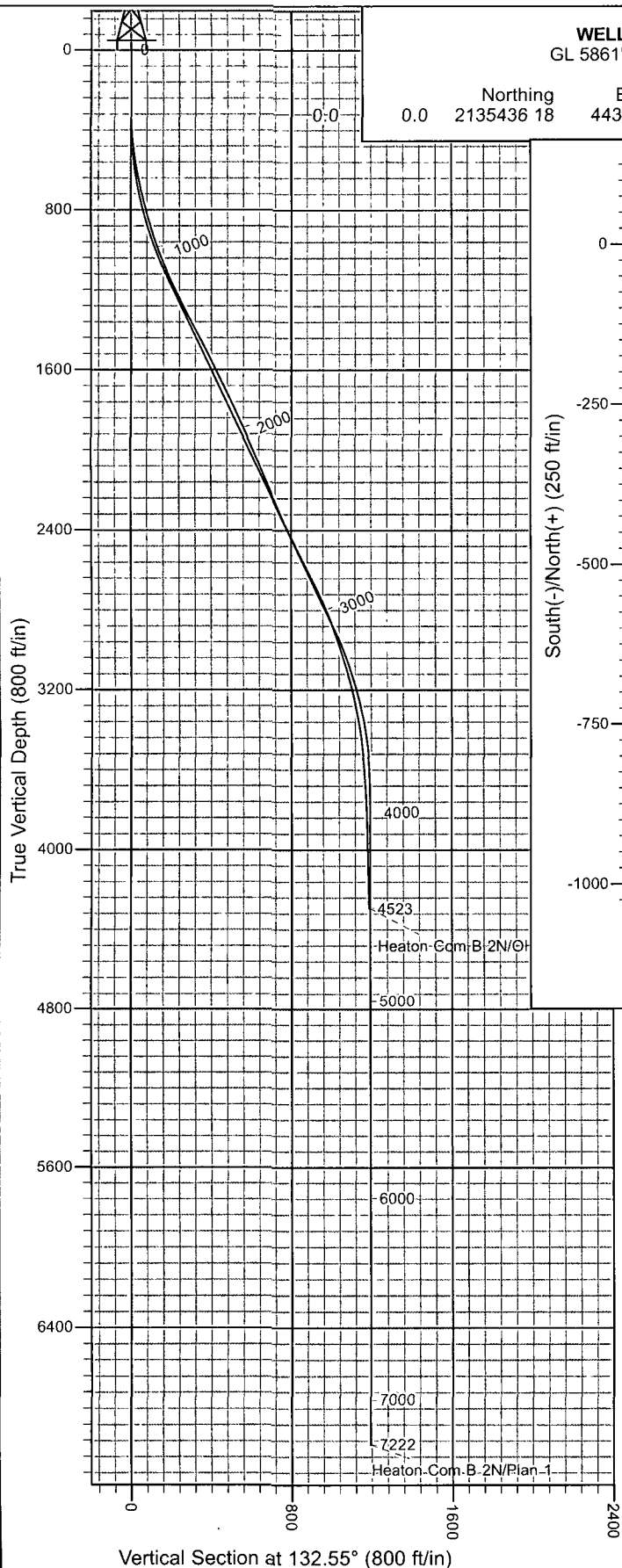


Scientific Drilling

WELL DETAILS: Heaton Com B 2N
GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Ground Level: 5861.0

	North	East	Lat	Long
0.0	2135436 18	443227.12	36° 52' 6.424 N	108° 1' 38.701 W

↑ T
Mazimuths to True North
Magnetic North 9.94°
Magnetic Field
Strength: 50639.4 nT
Dip Angle: 63.48°
Date: 06/01/2012
Model: BGGM2012



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Heaton Com B 2N, True North
Vertical (TVD) Reference: GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Calculation Method: Minimum Curvature

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

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Heaton Com B 2N
Project:	SJB (NM West)	TVD Reference:	GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Site:	SEC 30-T31N-R11W	MD Reference:	GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Well:	Heaton Com B 2N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Project	SJB (NM West), San Juan County, 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)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 30-T31N-R11W		
Site Position:		Northing:	2,138,207.36 ft
From:	Lat/Long	Easting:	441,201.14 ft
Position Uncertainty:	15.0 ft	Slot Radius:	4-3/8"
		Latitude:	36° 52' 33.786 N
		Longitude:	108° 2' 3.706 W
		Grid Convergence:	-0.12 °

Well	Heaton Com B 2N, 2049' FSL 1592' FEL		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 52' 6.424 N
		Longitude:	108° 1' 38.701 W
		Ground Level:	5,861.0 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2012	2012/06/01	9.94
			Dip Angle
			(°)
			63.48
			Field Strength
			(nT)
			50,639

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
			(°)
			132.55

Survey Program	Date 2012/06/20		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
268.0	4,523.0	Survey #1 (OH)	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	
268.0	0.45	241.22	268.0	-0.5	-0.9	-0.3	0.17	0.17	0.00	
First SDI MWD Survey										
298.0	0.05	75.98	298.0	-0.6	-1.0	-0.4	1.66	-1.33	-550.80	
329.0	1.28	163.39	329.0	-0.9	-0.9	-0.1	4.12	3.97	281.97	
359.0	2.64	149.38	359.0	-1.8	-0.5	0.9	4.77	4.53	-46.70	
390.0	3.65	137.56	389.9	-3.1	0.6	2.5	3.57	2.94	-38.13	
420.0	4.80	138.31	419.9	-4.7	2.0	4.7	4.17	4.17	2.50	
451.0	5.48	138.42	450.7	-6.8	3.9	7.5	2.19	2.19	0.35	
481.0	6.74	140.20	480.6	-9.2	5.9	10.6	4.25	4.20	5.93	
512.0	7.42	136.97	511.3	-12.1	8.5	14.4	2.54	2.19	-10.42	
543.0	7.94	135.92	542.0	-15.1	11.3	18.6	1.74	1.68	-3.39	
573.0	9.00	135.39	571.7	-18.3	14.4	23.0	3.54	3.53	-1.77	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Heaton Com B 2N
Project:	SJB (NM West)	TVD Reference:	GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Site:	SEC 30-T31N-R11W	MD Reference:	GL 5861' & KB 15' @ 5876.0ft (AWS 730)
Well:	Heaton Com B 2N	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)	
604.0	10.25	137.06	602.3	-22.0	18.0	28.1	4.13	4.03	5.39	
630.0	10.80	135.14	627.8	-25.4	21.3	32.9	2.51	2.12	-7.38	
661.0	11.89	136.72	658.2	-29.8	25.5	39.0	3.66	3.52	5.10	
691.0	12.52	136.79	687.6	-34.4	29.9	45.3	2.10	2.10	0.23	
722.0	13.17	135.33	717.8	-39.4	34.7	52.2	2.34	2.10	-4.71	
752.0	13.86	136.24	746.9	-44.4	39.5	59.2	2.41	2.30	3.03	
783.0	14.66	135.82	777.0	-49.9	44.9	66.8	2.60	2.58	-1.35	
813.0	15.26	135.35	806.0	-55.5	50.3	74.5	2.04	2.00	-1.57	
845.0	15.76	135.35	836.8	-61.5	56.3	83.1	1.56	1.56	0.00	
877.0	16.20	134.02	867.6	-67.7	62.5	91.9	1.79	1.38	-4.16	
908.0	16.72	132.29	897.3	-73.7	69.0	100.7	2.31	1.68	-5.58	
939.0	17.38	132.43	926.9	-79.9	75.7	109.8	2.13	2.13	0.45	
971.0	18.26	131.21	957.4	-86.4	83.0	119.5	2.99	2.75	-3.81	
1,003.0	19.32	130.44	987.7	-93.1	90.8	129.8	3.40	3.31	-2.41	
1,035.0	20.39	129.31	1,017.8	-100.1	99.1	140.7	3.55	3.34	-3.53	
1,067.0	21.19	129.90	1,047.7	-107.3	107.9	152.0	2.58	2.50	1.84	
1,099.0	21.87	130.91	1,077.5	-114.9	116.8	163.8	2.42	2.13	3.16	
1,130.0	22.78	130.28	1,106.2	-122.6	125.7	175.6	3.04	2.94	-2.03	
1,162.0	23.55	130.68	1,135.6	-130.8	135.3	188.1	2.46	2.41	1.25	
1,193.0	24.70	130.12	1,163.9	-139.0	145.0	200.8	3.78	3.71	-1.81	
1,256.0	26.69	130.93	1,220.6	-156.7	165.7	228.1	3.21	3.16	1.29	
1,319.0	27.03	131.54	1,276.8	-175.5	187.1	256.5	0.69	0.54	0.97	
1,383.0	26.82	130.85	1,333.9	-194.6	208.9	285.5	0.59	-0.33	-1.08	
1,446.0	27.37	130.53	1,390.0	-213.3	230.7	314.2	0.90	0.87	-0.51	
1,510.0	27.98	130.90	1,446.7	-232.7	253.2	343.9	0.99	0.95	0.58	
1,573.0	27.70	131.67	1,502.4	-252.1	275.3	373.3	0.72	-0.44	1.22	
1,637.0	26.54	133.07	1,559.3	-271.8	296.9	402.5	2.07	-1.81	2.19	
1,700.0	25.49	133.46	1,616.0	-290.7	317.0	430.1	1.69	-1.67	0.62	
1,762.0	25.96	133.40	1,671.8	-309.2	336.6	457.0	0.76	0.76	-0.10	
1,826.0	25.69	132.59	1,729.4	-328.2	357.0	484.9	0.69	-0.42	-1.27	
1,889.0	25.42	132.89	1,786.3	-346.7	376.9	512.1	0.48	-0.43	0.48	
1,952.0	24.59	132.39	1,843.3	-364.7	396.5	538.7	1.36	-1.32	-0.79	
2,016.0	24.12	131.79	1,901.7	-382.4	416.1	565.1	0.83	-0.73	-0.94	
2,079.0	24.02	132.47	1,959.2	-399.6	435.1	590.8	0.47	-0.16	1.08	
2,141.0	23.18	132.79	2,016.0	-416.4	453.4	615.6	1.37	-1.35	0.52	
2,204.0	23.32	133.27	2,073.9	-433.4	471.6	640.5	0.37	0.22	0.76	
2,268.0	22.81	133.69	2,132.8	-450.7	489.8	665.6	0.84	-0.80	0.66	
2,331.0	22.70	133.44	2,190.9	-467.4	507.4	689.9	0.23	-0.17	-0.40	
2,394.0	23.29	133.17	2,248.8	-484.3	525.3	714.5	0.95	0.94	-0.43	
2,457.0	23.96	133.38	2,306.6	-501.6	543.7	739.8	1.07	1.06	0.33	
2,520.0	24.06	133.51	2,364.1	-519.3	562.3	765.4	0.18	0.16	0.21	
2,583.0	25.83	134.29	2,421.2	-537.7	581.5	792.0	2.86	2.81	1.24	
2,647.0	26.65	135.16	2,478.6	-557.6	601.6	820.2	1.42	1.28	1.36	
2,710.0	27.19	136.42	2,534.8	-578.0	621.5	848.7	1.25	0.86	2.00	
2,773.0	26.49	136.43	2,591.0	-598.7	641.1	877.1	1.11	-1.11	0.02	
2,837.0	26.17	135.53	2,648.4	-619.1	660.8	905.4	0.80	-0.50	-1.41	
2,899.0	25.88	135.05	2,704.1	-638.4	679.9	932.6	0.58	-0.47	-0.77	
2,962.0	24.82	135.70	2,761.0	-657.6	698.9	959.5	1.74	-1.68	1.03	
3,025.0	22.00	134.92	2,818.8	-675.4	716.5	984.5	4.50	-4.48	-1.24	
3,088.0	19.36	133.45	2,877.8	-690.9	732.4	1,006.8	4.27	-4.19	-2.33	
3,151.0	19.04	131.06	2,937.3	-704.8	747.7	1,027.5	1.35	-0.51	-3.79	
3,215.0	17.97	128.60	2,998.0	-717.9	763.3	1,047.8	2.07	-1.67	-3.84	
3,278.0	16.53	127.81	3,058.1	-729.4	778.0	1,066.4	2.32	-2.29	-1.25	
3,341.0	15.88	130.21	3,118.6	-740.5	791.7	1,083.9	1.48	-1.03	3.81	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Heaton Com B 2N
Project:	SJB (NM West)	TVD Reference:	GL 5861' & KB 15' @ 5876 0ft (AWS 730)
Site:	SEC 30-T31N-R11W	MD Reference:	GL 5861' & KB 15' @ 5876 0ft (AWS 730)
Well:	Heaton Com B 2N	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)	
3,405.0	14.17	129.65	3,180.4	-751.1	804.4	1,100.5	2.68	-2.67	-0.88	
3,468.0	12.63	128.72	3,241.7	-760.4	815.7	1,115.1	2.47	-2.44	-1.48	
3,531.0	10.68	127.29	3,303.4	-768.2	825.7	1,127.8	3.13	-3.10	-2.27	
3,594.0	9.09	126.41	3,365.5	-774.7	834.4	1,138.5	2.54	-2.52	-1.40	
3,657.0	7.75	125.47	3,427.8	-780.1	841.8	1,147.7	2.14	-2.13	-1.49	
3,721.0	6.43	126.16	3,491.3	-784.7	848.2	1,155.6	2.07	-2.06	1.08	
3,783.0	5.10	127.72	3,553.0	-788.5	853.2	1,161.7	2.16	-2.15	2.52	
3,847.0	4.41	124.49	3,616.8	-791.6	857.5	1,167.0	1.16	-1.08	-5.05	
3,910.0	3.52	123.14	3,679.6	-794.0	861.1	1,171.3	1.42	-1.41	-2.14	
3,973.0	2.63	127.44	3,742.5	-796.0	863.9	1,174.7	1.46	-1.41	6.83	
4,036.0	1.86	125.18	3,805.5	-797.4	865.9	1,177.1	1.23	-1.22	-3.59	
4,099.0	1.56	122.59	3,868.5	-798.5	867.4	1,179.0	0.49	-0.48	-4.11	
4,163.0	1.42	124.03	3,932.4	-799.4	868.8	1,180.6	0.23	-0.22	2.25	
4,226.0	1.40	127.34	3,995.4	-800.3	870.1	1,182.2	0.13	-0.03	5.25	
4,290.0	1.40	132.74	4,059.4	-801.3	871.3	1,183.7	0.21	0.00	8.44	
4,353.0	1.38	136.31	4,122.4	-802.4	872.4	1,185.3	0.14	-0.03	5.67	
4,416.0	0.96	144.71	4,185.4	-803.4	873.2	1,186.5	0.72	-0.67	13.33	
4,479.0	0.78	133.54	4,248.4	-804.1	873.8	1,187.5	0.39	-0.29	-17.73	
4,523.0	0.42	140.90	4,292.4	-804.4	874.1	1,187.9	0.84	-0.82	16.73	
Last SDI MWD Survey										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
268.0	268.0	-0.5	-0.9	First SDI MWD Survey	
4,523.0	4,292.4	-804.4	874.1	Last SDI MWD Survey	

Checked By: _____	Approved By: _____	Date: _____
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