

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87605

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87605

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

☐ AMENDED REPORT

AS DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35156	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 36839	⁵ Property Name RHODA ABRAMS	⁶ Well Number 1 P
⁷ OGRIID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5706'

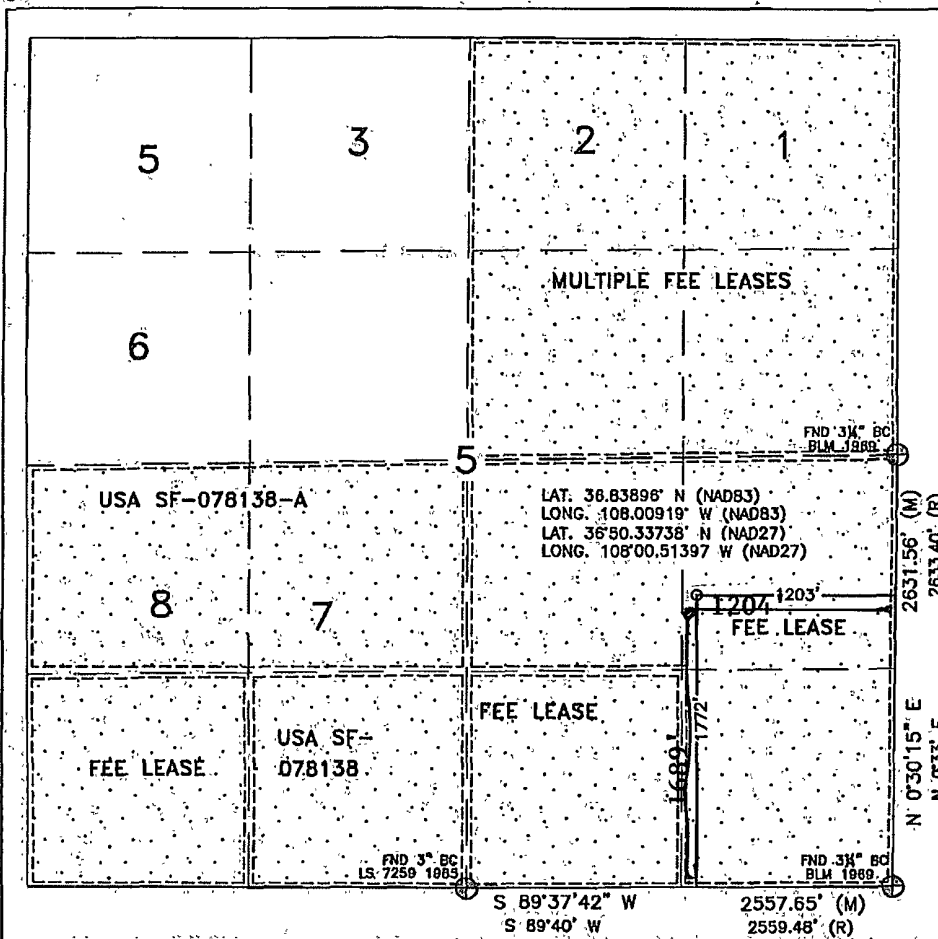
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	30N	11W		1772'	SOUTH	1203'	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
1	5	30N	11W		1689'	SOUTH	1204'	EAST	SAN JUAN
¹² Dedicated Acres MV-319.71 Acres - (E/2) DK-318.83 Acres - (S/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD AUG 7 '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



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.

Signature _____ Date _____
Marie E. Jaramillo 8/6/12

Printed Name

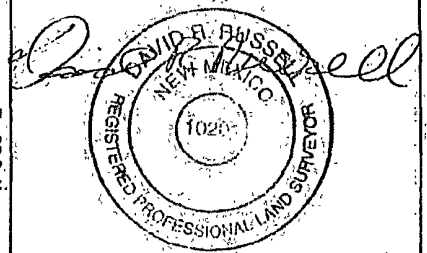
¹⁸ SURVEYOR CERTIFICATION

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.

MARCH 3, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

A

COP Deviation Report

RHODA ABRAMS #1P

Operator CONOCOPHILLIPS COMPANY	Legal WellName RHODA ABRAMS #1P	API / UWI 3004535156	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 005-030N-011W-I	N/S Dist (ft) 1,772.00	N/S Ref FSL	E/W Dist (ft) 1,203.00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
9/21/2011	130.00	0.50		Inc-WL	MOTE	
9/21/2011	236.00	1.00		Inc-WL	MOTE	
11/17/2011	270.00	2.02	248.89	IncAzi-MWD	Scientific Drilling	
11/17/2011	331.00	2.75	237.60	IncAzi-MWD	Scientific Drilling	
11/17/2011	393.00	3.22	216.13	IncAzi-MWD	Scientific Drilling	
11/17/2011	453.00	3.69	204.34	IncAzi-MWD	Scientific Drilling	
11/18/2011	515.00	3.37	193.08	IncAzi-MWD	Scientific Drilling	
11/18/2011	575.00	3.37	188.59	IncAzi-MWD	Scientific Drilling	
11/18/2011	637.00	3.94	189.28	IncAzi-MWD	Scientific Drilling	
11/18/2011	698.00	4.39	187.17	IncAzi-MWD	Scientific Drilling	
11/18/2011	759.00	3.43	173.73	IncAzi-MWD	Scientific Drilling	
11/18/2011	820.00	3.25	173.10	IncAzi-MWD	Scientific Drilling	
11/18/2011	918.00	3.60	171.98	IncAzi-MWD	Scientific Drilling	
11/18/2011	982.00	3.74	172.91	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,047.00	3.64	172.10	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,111.00	3.88	175.89	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,176.00	3.62	174.55	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,240.00	2.82	174.40	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,305.00	2.10	167.99	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,370.00	1.24	164.37	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,434.00	0.73	166.58	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,499.00	0.63	165.81	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,563.00	0.78	150.52	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,628.00	0.74	153.04	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,693.00	1.10	132.38	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,757.00	0.93	131.54	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,822.00	1.06	120.22	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,886.00	0.99	106.26	IncAzi-MWD	Scientific Drilling	
11/18/2011	1,951.00	0.86	126.00	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,015.00	0.90	106.52	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,080.00	0.76	104.24	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,144.00	0.71	115.96	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,208.00	0.89	123.63	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,273.00	0.95	132.31	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,337.00	0.56	141.16	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,402.00	0.21	162.16	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 AUG 7 '12
DIL CONS. DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



COP Deviation Report

RHODA ABRAMS #1P

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
11/18/2011	2,466.00	0.50	175.95	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,531.00	0.57	192.46	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,595.00	0.21	128.97	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,659.00	0.32	138.59	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,724.00	0.15	176.02	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,788.00	0.36	201.07	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,853.00	0.33	218.37	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,918.00	0.35	182.73	IncAzi-MWD	Scientific Drilling	
11/18/2011	2,983.00	0.62	197.11	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,047.00	0.57	205.40	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,112.00	0.59	202.91	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,176.00	0.56	196.21	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,241.00	0.24	170.95	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,305.00	0.14	182.76	IncAzi-MWD	Scientific Drilling	
11/18/2011	3,370.00	0.17	187.74	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,434.00	0.26	181.50	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,499.00	0.24	190.62	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,563.00	0.32	193.31	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,627.00	0.44	191.56	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,692.00	0.62	186.00	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,756.00	0.64	184.66	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,821.00	0.61	184.78	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,885.00	0.51	190.92	IncAzi-MWD	Scientific Drilling	
11/19/2011	3,950.00	0.72	184.85	IncAzi-MWD	Scientific Drilling	
11/19/2011	4,014.00	0.56	165.30	IncAzi-MWD	Scientific Drilling	
11/19/2011	4,066.00	0.51	175.15	IncAzi-MWD	Scientific Drilling	
11/24/2011	4,700.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	
11/24/2011	5,200.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	
11/24/2011	5,700.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	
11/24/2011	5,990.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	
11/25/2011	6,486.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	
11/25/2011	6,805.00	1.00	0.00	Inc-WL	Aztec Well Servicing Co Inc	

I, the undersigned, certify that I acting in my capacity as Dillon Bracey 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.

Alb Gut

Subscribed and sworn to me this 8/6/12

Mano G. Jaramilla

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



Scientific Drilling

RCVD AUG 7 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM West)

SEC 05-T30N-R11W

Rhoda Abrams #1P

OH

Design: As Drilled

Standard Survey Report

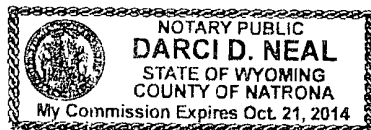
30 November, 2011

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

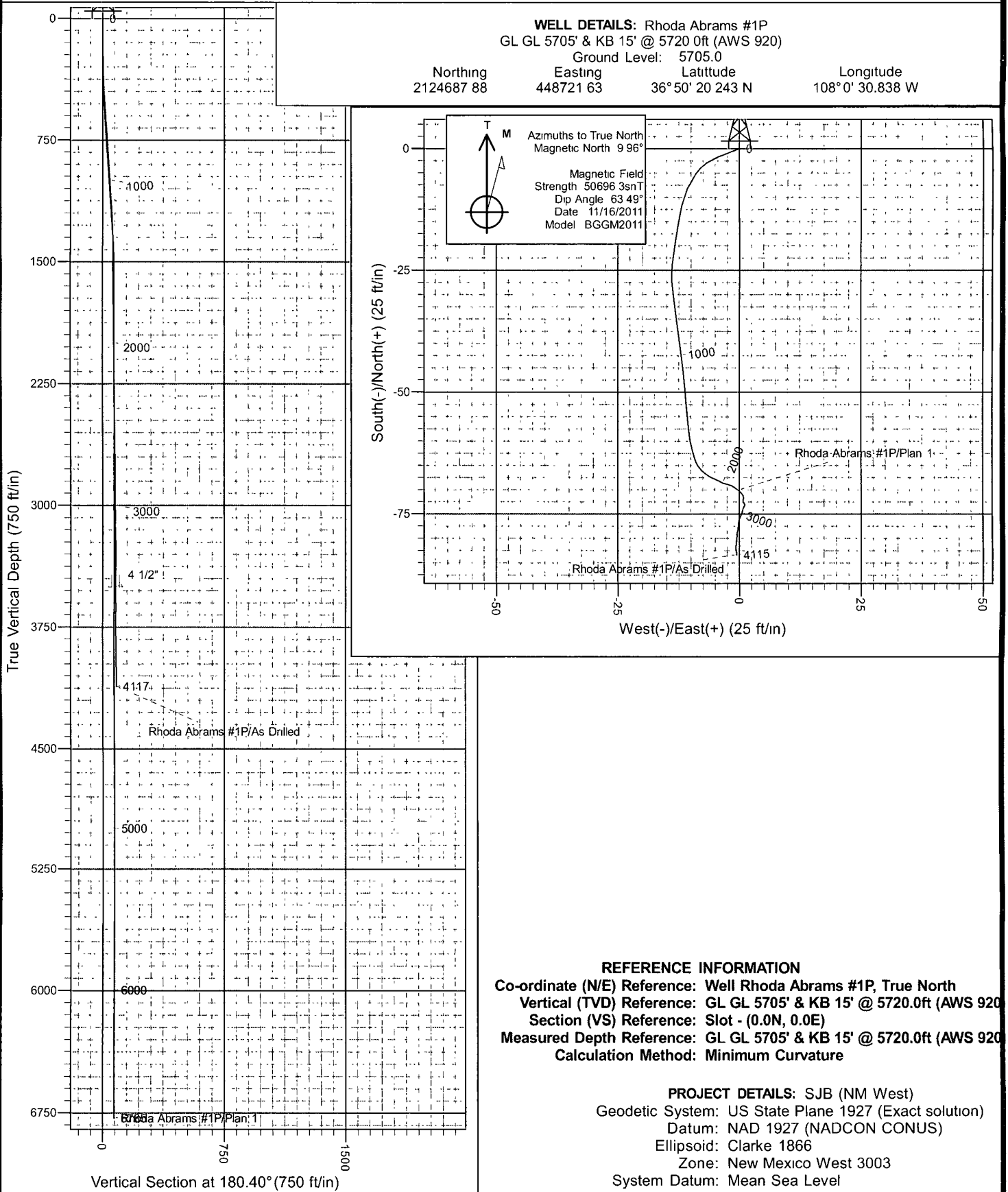
Notarized this date 30th of November, 2011.

Darci D. Neal

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #1P
Project:	SJB (NM West)	TVD Reference:	GL GL 5705' & KB 15' @ 5720.0ft (AWS 920)
Site:	SEC 05-T30N-R11W	MD Reference:	GL GL 5705' & KB 15' @ 5720 0ft (AWS 920)
Well:	Rhoda Abrams #1P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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 05-T30N-R11W		
Site Position:		Northing:	2,127,406.86 ft
From:	Lat/Long	Easting:	449,027.98 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 50' 47.135 N
		Longitude:	108° 0' 27.130 W
		Grid Convergence:	-0.10 °

Well	Rhoda Abrams #1P, 1772' FSL 1203' FEL		
Well Position	+N/-S	0.0 ft	Northing: 2,124,687.88 ft
	+E/-W	0.0 ft	Easting: 448,721.63 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 50' 20.243 N
		Longitude:	108° 0' 30.838 W
		Ground Level:	5,705.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2011	11/16/2011	9.96	63.49	50,696

Design	As Drilled				
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	180.40	

Survey Program	Date	11/30/2011			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
270.0	4,117.0	survey #1 (OH)	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	
270.0	2.02	248.89	269.9	-1.7	-4.4	1.7	0.75	0.75	0.00	
First SDI MWD Survey										
331.0	2.75	237.60	330.9	-2.9	-6.7	2.9	1.42	1.20	-18.51	
393.0	3.22	216.13	392.8	-5.1	-9.0	5.2	1.94	0.76	-34.63	
453.0	3.69	204.34	452.7	-8.2	-10.8	8.3	1.42	0.78	-19.65	
515.0	3.37	193.08	514.6	-11.8	-12.0	11.9	1.23	-0.52	-18.16	
575.0	3.37	188.59	574.5	-15.3	-12.6	15.4	0.44	0.00	-7.48	
637.0	3.94	189.28	636.4	-19.2	-13.3	19.3	0.92	0.92	1.11	
698.0	4.39	187.17	697.2	-23.6	-13.9	23.6	0.78	0.74	-3.46	
759.0	3.43	173.73	758.1	-27.7	-14.0	27.8	2.17	-1.57	-22.03	
820.0	3.25	173.10	818.9	-31.2	-13.6	31.3	0.30	-0.30	-1.03	
918.0	3.60	171.98	916.8	-37.0	-12.8	37.1	0.36	0.36	-1.14	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #1P
Project:	SJB (NM West)	TVD Reference:	GL GL 5705' & KB 15' @ 5720.0ft (AWS 920)
Site:	SEC 05-T30N-R11W	MD Reference:	GL GL 5705' & KB 15' @ 5720.0ft (AWS 920)
Well:	Rhoda Abrams #1P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)
982.0	3.74	172.91	980.6	-41.1	-12.3	41.2	0.24	0.22	1.45
1,047.0	3.64	172.10	1,045.5	-45.2	-11.7	45.3	0.17	-0.15	-1.25
1,111.0	3.88	175.89	1,109.4	-49.4	-11.3	49.5	0.54	0.38	5.92
1,176.0	3.62	174.55	1,174.2	-53.6	-10.9	53.7	0.42	-0.40	-2.06
1,240.0	2.82	174.40	1,238.1	-57.2	-10.6	57.3	1.25	-1.25	-0.23
1,305.0	2.10	167.99	1,303.1	-60.0	-10.2	60.0	1.18	-1.11	-9.86
1,370.0	1.24	164.37	1,368.0	-61.8	-9.8	61.9	1.33	-1.32	-5.57
1,434.0	0.73	166.58	1,432.0	-62.9	-9.5	62.9	0.80	-0.80	3.45
1,499.0	0.63	165.81	1,497.0	-63.6	-9.3	63.7	0.15	-0.15	-1.18
1,563.0	0.78	150.52	1,561.0	-64.3	-9.0	64.4	0.37	0.23	-23.89
1,628.0	0.74	153.04	1,626.0	-65.1	-8.6	65.2	0.08	-0.06	3.88
1,693.0	1.10	132.38	1,691.0	-65.9	-7.9	66.0	0.74	0.55	-31.78
1,757.0	0.93	131.54	1,755.0	-66.7	-7.1	66.7	0.27	-0.27	-1.31
1,822.0	1.06	120.22	1,820.0	-67.3	-6.2	67.3	0.36	0.20	-17.42
1,886.0	0.99	106.26	1,884.0	-67.8	-5.1	67.8	0.40	-0.11	-21.81
1,951.0	0.86	126.00	1,949.0	-68.2	-4.2	68.2	0.53	-0.20	30.37
2,015.0	0.90	106.52	2,013.0	-68.6	-3.3	68.7	0.47	0.06	-30.44
2,080.0	0.76	104.24	2,078.0	-68.9	-2.4	68.9	0.22	-0.22	-3.51
2,144.0	0.71	115.96	2,141.9	-69.2	-1.7	69.2	0.25	-0.08	18.31
2,208.0	0.89	123.63	2,205.9	-69.6	-0.9	69.6	0.33	0.28	11.98
2,273.0	0.95	132.31	2,270.9	-70.3	-0.1	70.2	0.23	0.09	13.35
2,337.0	0.56	141.16	2,334.9	-70.9	0.5	70.8	0.63	-0.61	13.83
2,402.0	0.21	162.16	2,399.9	-71.2	0.8	71.2	0.57	-0.54	32.31
2,466.0	0.50	175.95	2,463.9	-71.6	0.8	71.6	0.47	0.45	21.55
2,531.0	0.57	192.46	2,528.9	-72.2	0.8	72.2	0.26	0.11	25.40
2,595.0	0.21	128.97	2,592.9	-72.6	0.8	72.6	0.80	-0.56	-99.20
2,659.0	0.32	138.59	2,656.9	-72.8	1.0	72.8	0.18	0.17	15.03
2,724.0	0.15	176.02	2,721.9	-73.0	1.1	73.0	0.34	-0.26	57.58
2,788.0	0.36	201.07	2,785.9	-73.3	1.1	73.3	0.36	0.33	39.14
2,853.0	0.33	218.37	2,850.9	-73.6	0.9	73.6	0.17	-0.05	26.62
2,918.0	0.35	182.73	2,915.9	-74.0	0.7	74.0	0.32	0.03	-54.83
2,983.0	0.62	197.11	2,980.9	-74.5	0.6	74.5	0.45	0.42	22.12
3,047.0	0.57	205.40	3,044.9	-75.1	0.4	75.1	0.16	-0.08	12.95
3,112.0	0.59	202.91	3,109.9	-75.7	0.1	75.7	0.05	0.03	-3.83
3,176.0	0.56	196.21	3,173.9	-76.3	-0.1	76.3	0.11	-0.05	-10.47
3,241.0	0.24	170.95	3,238.9	-76.8	-0.2	76.8	0.55	-0.49	-38.86
3,305.0	0.14	182.76	3,302.9	-77.0	-0.1	77.0	0.17	-0.16	18.45
3,370.0	0.17	187.74	3,367.9	-77.2	-0.2	77.1	0.05	0.05	7.66
3,434.0	0.26	181.50	3,431.9	-77.4	-0.2	77.4	0.15	0.14	-9.75
3,499.0	0.24	190.62	3,496.9	-77.7	-0.2	77.7	0.07	-0.03	14.03
3,563.0	0.32	193.31	3,560.9	-78.0	-0.3	78.0	0.13	0.13	4.20
3,627.0	0.44	191.56	3,624.9	-78.4	-0.4	78.4	0.19	0.19	-2.73
3,692.0	0.62	186.00	3,689.9	-79.0	-0.4	79.0	0.29	0.28	-8.55
3,756.0	0.64	184.66	3,753.9	-79.7	-0.5	79.7	0.04	0.03	-2.09
3,821.0	0.61	184.78	3,818.9	-80.4	-0.6	80.4	0.05	-0.05	0.18
3,885.0	0.51	190.92	3,882.9	-81.0	-0.7	81.0	0.18	-0.16	9.59
3,950.0	0.72	184.85	3,947.9	-81.7	-0.7	81.7	0.34	0.32	-9.34
4,014.0	0.56	165.30	4,011.9	-82.4	-0.7	82.4	0.42	-0.25	-30.55
4,066.0	0.51	175.15	4,063.9	-82.9	-0.6	82.9	0.20	-0.10	18.94
Last SDI MWD Survey									
4,117.0	0.51	175.15	4,114.9	-83.3	-0.6	83.3	0.00	0.00	0.00
Projection to TD									



Scientific Drilling
Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Rhoda Abrams #1P
Project:	SJB (NM West)	TVD Reference:	GL GL 5705' & KB 15' @ 5720.0ft (AWS 920)
Site:	SEC 05-T30N-R11W	MD Reference:	GL GL 5705' & KB 15' @ 5720 0ft (AWS 920)
Well:	Rhoda Abrams #1P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDMCOP

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
3,505.1	3,503.0	4 1/2"	4-1/2	6-1/4

Checked By: _____ Approved By: _____ Date: _____