

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35165		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 7328	*Property Name MORRIS A COM		*Well Number 1
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 5969'

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
K	14	30N	11W	8	1940	SOUTH	1475	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
K	14	30N	11W	8	1855'	SOUTH	1345'	WEST	SAN JUAN

¹² Dedicated Acres 313.81 Acres - S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

2621.52'

2700.06'

¹⁶			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: <i>[Signature]</i> Date: 5/10/11		
RECEIVED MAY 2011 OIL CONS. DIV. DIST. I			Printed Name: Marie E. Jaramillo		
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. Survey Date: DECEMBER 18, 2009 Signature and Seal of Professional Surveyor: JASON C. EDWARDS 15269 REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO Certificate Number: 15269					

LOT 3 LOT 2 LOT 1

LOT 4 LOT 5 LOT 6

LOT 9 1475' LEASE USA NM-029148

LOT 8 1130' LEASE USA SF-078138

LOT 10 1475' LEASE USA

LOT 11 1130' LEASE USA

LOT 12 1130' LEASE USA

LOT 13

5195.52' 660' 1345' 5240.40' 5208.72'

LAT: 36°48.6165' N LONG: 107°57.8301' W DATUM: NAD1927

LAT: 36°81028' N LONG: 107°96446' W DATUM: NAD1983

LEASE FEE



ConocoPhillips

SJB (NM West)

SEC 14-T30N-R11W

Morris A Com #1

Original Hole

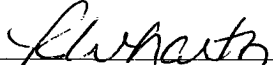
API# 3004535165

Survey: Actual

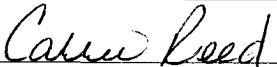
SDI Standard Survey Report

25 March, 2011

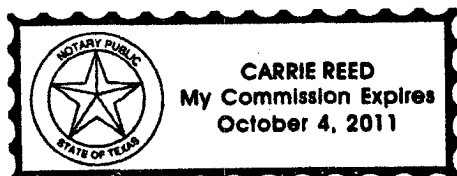
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 25th of March, 2011.



Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations



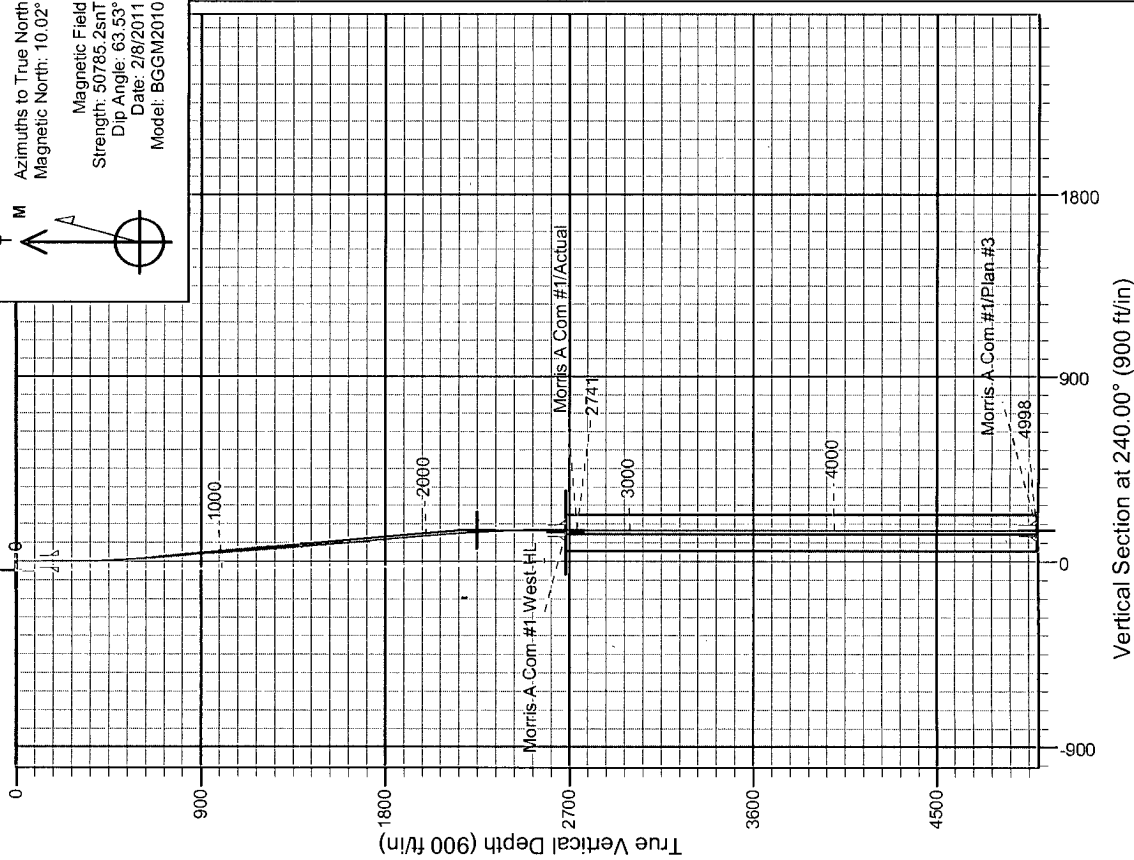
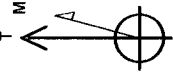


Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 14-T30N-R11W
Well: Morris A Com #1
Wellbore: Original Hole
Design: Plan #3



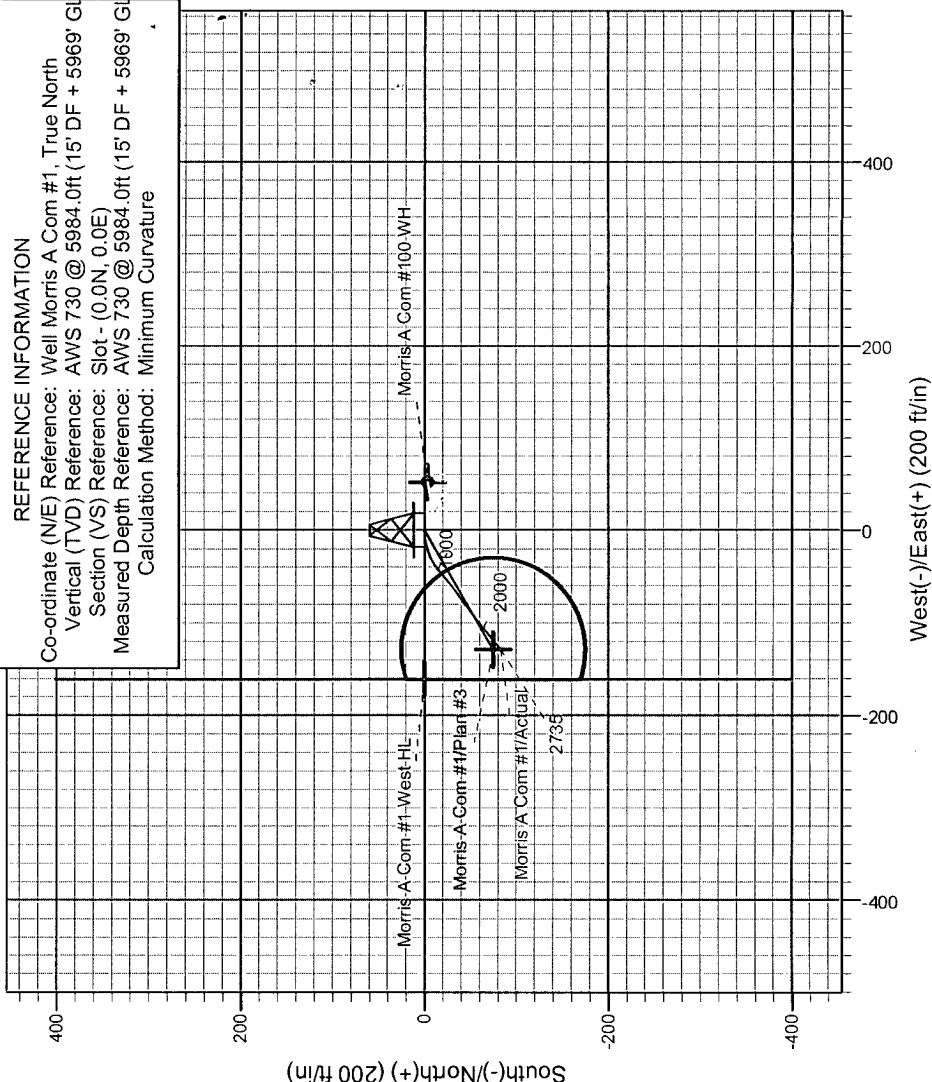
Azimuths to True North
Magnetic North: 10.02°
Magnetic Field
Strength: 50785.2nT
Dip Angle: 63.53°
Date: 2/8/2011
Model: BGGM2010



WELL DETAILS: Morris A Com #1
AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Ground Level: 5969.0
Easting: 461797.05
Northing: 2114225.52
+E/-W: 0.0
+N/-S: 0.0
Longitude: 107° 57' 49.806 W
Latitude: 36° 48' 36.990 N
Slot

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Morris A Com #1, True North
Vertical (TVD) Reference: AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 730 @ 5984.0ft (15' DF + 5969' GL)
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 14-T30N-R11W
San Juan County NM
Site Centre Latitude: 36° 48' 36.990 N
Longitude: 107° 57' 49.806 W
Positional Uncertainty: 7.5
Convergence: -0.08
Local North: True



Scientific Drilling International, Inc.
Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Morris A Com #1
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Site:	SEC 14-T30N-R11W	MD Reference:	AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Well:	Morris A Com #1	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 14-T30N-R11W		
Site Position:		Northing:	2,114,225.52 ft
From:	Lat/Long	Easting:	461,797.05 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 48' 36.990 N
		Longitude:	107° 57' 49.806 W
		Grid Convergence:	-0.08 °

Well	Morris A Com #1, Vertical MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,114,225.52 ft	Latitude:	36° 48' 36.990 N
	+E/-W	0.0 ft	Easting:	461,797.05 ft	Longitude:	107° 57' 49.806 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	5,969.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	2/8/2011	10.02	63.53	50,785

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	237.26	

Survey Program	Date 3/25/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
266.0	2,741.0	Actual (Original Hole)	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
266.0	0.56	281.45	266.0	0.3	-1.3	0.9	0.21	0.21	0.00
326.0	1.35	264.75	326.0	0.3	-2.3	1.8	1.38	1.32	-27.83
388.0	2.25	258.32	388.0	-0.1	-4.2	3.6	1.49	1.45	-10.37
449.0	2.84	264.66	448.9	-0.4	-6.9	6.0	1.07	0.97	10.39
511.0	3.42	265.25	510.8	-0.7	-10.2	9.0	0.94	0.94	0.95
573.0	3.73	255.08	572.7	-1.4	-14.0	12.6	1.14	0.50	-16.40
635.0	3.89	254.31	634.5	-2.5	-18.0	16.5	0.27	0.26	-1.24
696.0	4.20	252.11	695.4	-3.7	-22.1	20.6	0.57	0.51	-3.61
758.0	4.39	249.89	757.2	-5.3	-26.5	25.1	0.41	0.31	-3.58
820.0	4.47	245.38	819.0	-7.1	-30.9	29.8	0.58	0.13	-7.27
883.0	4.44	241.12	881.8	-9.3	-35.3	34.7	0.53	-0.05	-6.76
946.0	4.22	232.60	944.7	-11.9	-39.3	39.5	1.08	-0.35	-13.52

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Morris A Com #1
Project:	SJB (NM West)	TVD Reference:	AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Site:	SEC 14-T30N-R11W	MD Reference:	AWS 730 @ 5984.0ft (15' DF + 5969' GL)
Well:	Morris A Com #1	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)
1,009.0	4.01	229.74	1,007.5	-14.7	-42.8	43.9	0.47	-0.33	-4.54
1,072.0	4.16	228.28	1,070.3	-17.6	-46.2	48.4	0.29	0.24	-2.32
1,135.0	4.24	229.86	1,133.2	-20.7	-49.7	53.0	0.22	0.13	2.51
1,198.0	4.21	230.57	1,196.0	-23.6	-53.2	57.6	0.10	-0.05	1.13
1,260.0	4.19	230.30	1,257.8	-26.5	-56.7	62.1	0.05	-0.03	-0.44
1,324.0	4.17	231.13	1,321.7	-29.5	-60.3	66.7	0.10	-0.03	1.30
1,387.0	4.69	234.28	1,384.5	-32.4	-64.2	71.6	0.91	0.83	5.00
1,450.0	4.91	235.23	1,447.3	-35.5	-68.5	76.8	0.37	0.35	1.51
1,513.0	4.89	234.09	1,510.0	-38.6	-72.9	82.2	0.16	-0.03	-1.81
1,576.0	4.78	232.85	1,572.8	-41.7	-77.2	87.5	0.24	-0.17	-1.97
1,640.0	4.90	231.88	1,636.6	-45.0	-81.5	92.9	0.23	0.19	-1.52
1,702.0	4.95	232.52	1,698.3	-48.3	-85.7	98.2	0.12	0.08	1.03
1,766.0	4.94	232.40	1,762.1	-51.7	-90.0	103.7	0.02	-0.02	-0.19
1,830.0	4.91	232.68	1,825.9	-55.0	-94.4	109.1	0.06	-0.05	0.44
1,894.0	4.78	232.60	1,889.6	-58.3	-98.7	114.5	0.20	-0.20	-0.13
1,957.0	4.66	233.28	1,952.4	-61.4	-102.8	119.7	0.21	-0.19	1.08
2,020.0	4.51	230.91	2,015.2	-64.5	-106.8	124.7	0.38	-0.24	-3.76
2,083.0	4.37	229.43	2,078.0	-67.6	-110.6	129.6	0.29	-0.22	-2.35
2,147.0	3.98	231.03	2,141.9	-70.6	-114.1	134.2	0.64	-0.61	2.50
2,210.0	3.97	230.69	2,204.7	-73.4	-117.5	138.5	0.04	-0.02	-0.54
2,273.0	3.55	233.49	2,267.6	-75.9	-120.8	142.6	0.73	-0.67	4.44
2,336.0	2.62	232.91	2,330.5	-77.9	-123.5	146.0	1.48	-1.48	-0.92
2,399.0	1.03	230.63	2,393.5	-79.2	-125.1	148.0	2.53	-2.52	-3.62
2,462.0	0.84	226.22	2,456.4	-79.8	-125.8	149.0	0.32	-0.30	-7.00
2,526.0	0.72	236.80	2,520.4	-80.4	-126.5	149.9	0.29	-0.19	16.53
2,588.0	0.70	216.80	2,582.4	-80.9	-127.1	150.6	0.40	-0.03	-32.26
2,652.0	0.90	216.39	2,646.4	-81.6	-127.6	151.5	0.31	0.31	-0.64
2,684.0	0.87	222.58	2,678.4	-82.0	-127.9	151.9	0.31	-0.09	19.34