

NOS: 10-3-12
APDP: N/A
MP: N/A
SMA: BLM
BOND: NMB00015
CA/PA: PA

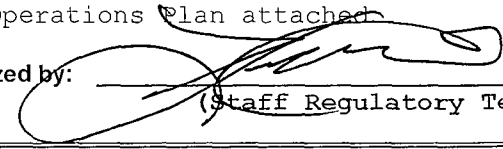
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

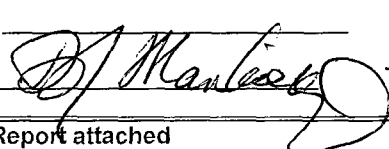
RECEIVED

JAN 31 2013

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office

1a. Type of Work DRILL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	5. Lease Number of Land Management SF-080669 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 27-4 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Sn Juan 27-4 Unit 9. Well Number 43P
4. Location of Well Surface: Unit B(NW/NE), 397' FNL & 2237' FEL BHL : Unit O(SW/SE), 645' FSL & 1325' FEL Surface: Latitude: 36.564928° N (NAD83) Longitude: 107.272891° W BHL : Latitude: 36.567822° N (NAD83) Longitude: 107.269828° W		10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T27N, R4W BHL Sec. 17, T27N R4W API # 30-039-31178
14. Distance in Miles from Nearest Town 44.7		12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 645'		
16. Acres in Lease 2,080.840		17. Acres Assigned to Well 320 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1,345' from SJ 27-4 47 (P&A Well)		
19. Proposed Depth 8082'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6797' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  (Staff Regulatory Tech)		Date 1/21/13

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY  TITLE AFM DATE 3/21/13

Archaeological Report attached A gas recovery unit may or may not be used on this location.
Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089

This action is subject to technical and procedural review pursuant to 43 CFR 3165.0 and appeal pursuant to 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat
MAR 28 2013 ca

NMOCD A

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENT

PC

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brizos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Farmington Field Office
Bureau of Land Management

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 31178	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27 - 4 UNIT	
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	
		⁶ Well Number 43P
		⁹ Elevation 6797

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
B	20	27-N	4-W		397	NORTH	2237	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
O	17	27-N	4-W		645	SOUTH	1325	EAST	RIO ARRIBA

¹² Dedicated Acres E/2(320)	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.

¹⁶

SECTION 17
T-27-N, R-04-W
E/2 DEDICATED
ACREAGE
SF-080669

BOTTOM HOLE
NAD 83
LAT: 36.567822° N
LONG: 107.269828° W
NAD 27
LAT: 36°34.068770' N
LONG: 107°16.153731' W

WELL FLAG
NAD 83
LAT: 36.564928° N
LONG: 107.272891° W
NAD 27
LAT: 36°33.895078' N
LONG: 107°16.337508' W

SECTION 20
T-27-N, R-04-W

SURVEYOR NOTE: THE SECTION CORNERS SHOWN ON THIS PLAT HAVE BEEN PROTRACTED USING EXISTING PLSS CORNERS ON THE EXTERIOR OF THE TOWNSHIP AND CERTAIN COMMONLY ACCEPTED INTERIOR SECTION CORNER POSITIONS AND BY DOUBLE PROPORTIONATE MEASUREMENTS.

BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.

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: *Marie E. Jaramillo* Date: **10/2/12**
Marie E. Jaramillo 10/2/12
Printed Name
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: **04/19/2010**
Signature and Seal of Professional Surveyor:

Certificate Number: NM-11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 43P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0007				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface				Datum Code: NAD 27		Directional	
Latitude: 36.564918	Longitude: -107.272292	X:	Y:	Section: 20		Range: 004W	
Footage X: 2237 FEL	Footage Y: 397 FNL	Elevation: 6797	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole				Datum Code: NAD 27		Directional	
Latitude: 36.567812	Longitude: -107.269229	X:	Y:	Section: 17		Range: 004W	
Footage X: 1325 FEL	Footage Y: 645 FSL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6812 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6797		☐			Ground water at 65' in SJ 27-4 56M. Lost circulation in SJ 27-4 47P, 52M, & 138B
Surface Casing	200	6612		☐		44	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 81 cuft. Circulate cement to surface.
NACIMIENTO	1856	4956		☐			
OJO ALAMO	3077	3735		☐			
KIRTLAND	3230	3582		☐			
FRUITLAND	3271	3541		☐			Possible Gas
PICTURED CLIFFS	3687	3125		☐	934		
LEWIS	3763	3049		☐			Lost circulation into the Lwis in SJ 27-4 42N, 141M, & 57P.
Intermediate Casing	3913	2899		☐		114	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 814 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4086	2726		☐			
CHACRA	4634	2178		☐			
UPPER CLIFF HOUSE	5267	1545		☐			Lost circulation into the MV in SJ 27-4 99B, & 142A.
MASSIVE CLIFF HOUSE	5377	1435		☐	805		Gas - Est top MV perf 5437' tvd (~60' below T/CLFH).
MENEFEE	5500	1312		☐			Gas
POINT LOOKOUT	5839	973		☐		154	Gas - Est bot MV perf 6089' tvd (~250' below T/PNLK).
MANCOS	6355	457		☐			
UPPER GALLUP	6992	-180		☐			
GREENHORN	7781	-969		☐			
GRANEROS	7844	-1032		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 43P

DEVELOPMENT

TWO WELLS	7876	-1064	☐	2387 194	Gas - Est top DK perf 7881' tvd (~5' below T/TWLS). RAM have 47' of pay booked. Lost circulation into DK in SJ 27-4 47P.
PAGUATE	7976	-1164	☐		Gas
UPPER CUBERO	7998	-1186	☐		Gas - RAM have 21' of pay booked.
LOWER CUBERO	8042	-1230	☐		Gas - Est bot DK perf 8062' tvd (~20' below T/CBRL). Wet in SJ 27-4 Unit 47P (27n4w20) & 56 (27n4w21). RAM have 27' of pay booked.
Total Depth	8082	-1270	☐	198	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 490 cuft. Circulate cement a minimum of 100' inside the previous casing string.
OAK CANYON	8086	-1274	☐		Multiple wet wells to south & east
ENCINAL	8110	-1298	☐		Gas - Wet in SJ 27-4 Unit 60 (27n4w21) & 71M (27n4w16). RAM have 9' of pay booked.
BURRO CANYON	8118	-1306	☐		
MORRISON	8158	-1346	☐	200	

Reference Wells:

Reference Type	Well Name	Comments
Production	SAN JUAN 27-4 UNIT 47	
Production	SAN JUAN 27-4 UNIT 16Y	

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL.
Mud log ~100' above T/Gallup down to TD.
Mudlogger will call TD.
Est bot DK perf ~20' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #43P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #43P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole - APD		
Design:	APD Design #1		

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	San Juan 27 Wells				
Site Position:		Northing:	2,018,443.76usft	Latitude:	36° 32' 32.152 N
From:	Lat/Long	Easting:	180,037.82usft	Longitude:	108° 55' 21.086 W
Position Uncertainty:	15.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	-0.65 °

Well	SJ 27-4 #43P					
Well Position	+N/-S	0.0 usft	Northing:	2,025,360.17 usft	Latitude:	36° 33' 53.706 N
	+E/-W	0.0 usft	Easting:	664,762.17 usft	Longitude:	107° 16' 20.250 W
Position Uncertainty	2.0 usft	Wellhead Elevation:	6,797.0 usft	Ground Level:	6,797.0 usft	

Wellbore	Original Hole - APD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	11/16/2012	9.50	63.35	50,506

Design	APD Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	40.50

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
591.3	23.65	40.50	574.6	91.5	78.1	4.00	4.00	0.00	40.50	
3,444.7	23.65	40.50	3,188.4	961.9	821.5	0.00	0.00	0.00	0.00	
4,035.9	0.00	0.00	3,763.0	1,053.4	899.7	4.00	-4.00	0.00	180.00	
4,185.9	0.00	0.00	3,913.0	1,053.4	899.7	0.00	0.00	0.00	0.00	ICP
8,354.9	0.00	0.00	8,082.0	1,053.4	899.7	0.00	0.00	0.00	0.00	Target

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #43P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #43P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole - APD		
Design:	APD Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	4.00	40.50	99.9	2.7	2.3	3.5	4.00	4.00	0.00
200.0	8.00	40.50	199.4	10.6	9.1	13.9	4.00	4.00	0.00
300.0	12.00	40.50	297.8	23.8	20.3	31.3	4.00	4.00	0.00
400.0	16.00	40.50	394.8	42.2	36.0	55.5	4.00	4.00	0.00
500.0	20.00	40.50	489.9	65.7	56.1	86.4	4.00	4.00	0.00
591.3	23.65	40.50	574.6	91.5	78.1	120.3	4.00	4.00	0.00
600.0	23.65	40.50	582.6	94.1	80.4	123.8	0.00	0.00	0.00
700.0	23.65	40.50	674.2	124.7	106.5	163.9	0.00	0.00	0.00
800.0	23.65	40.50	765.8	155.2	132.5	204.0	0.00	0.00	0.00
900.0	23.65	40.50	857.4	185.7	158.6	244.2	0.00	0.00	0.00
1,000.0	23.65	40.50	949.0	216.2	184.6	284.3	0.00	0.00	0.00
1,100.0	23.65	40.50	1,040.6	246.7	210.7	324.4	0.00	0.00	0.00
1,200.0	23.65	40.50	1,132.2	277.2	236.7	364.5	0.00	0.00	0.00
1,300.0	23.65	40.50	1,223.8	307.7	262.8	404.6	0.00	0.00	0.00
1,400.0	23.65	40.50	1,315.4	338.2	288.8	444.7	0.00	0.00	0.00
1,500.0	23.65	40.50	1,407.0	368.7	314.9	484.8	0.00	0.00	0.00
1,600.0	23.65	40.50	1,498.6	399.2	340.9	525.0	0.00	0.00	0.00
1,700.0	23.65	40.50	1,590.2	429.7	367.0	565.1	0.00	0.00	0.00
1,800.0	23.65	40.50	1,681.8	460.2	393.0	605.2	0.00	0.00	0.00
1,900.0	23.65	40.50	1,773.4	490.7	419.1	645.3	0.00	0.00	0.00
2,000.0	23.65	40.50	1,865.0	521.2	445.1	685.4	0.00	0.00	0.00
2,100.0	23.65	40.50	1,956.6	551.7	471.2	725.5	0.00	0.00	0.00
2,200.0	23.65	40.50	2,048.2	582.2	497.2	765.7	0.00	0.00	0.00
2,300.0	23.65	40.50	2,139.8	612.7	523.3	805.8	0.00	0.00	0.00
2,400.0	23.65	40.50	2,231.4	643.2	549.4	845.9	0.00	0.00	0.00
2,500.0	23.65	40.50	2,323.0	673.7	575.4	886.0	0.00	0.00	0.00
2,600.0	23.65	40.50	2,414.6	704.2	601.5	926.1	0.00	0.00	0.00
2,700.0	23.65	40.50	2,506.2	734.7	627.5	966.2	0.00	0.00	0.00
2,800.0	23.65	40.50	2,597.8	765.2	653.6	1,006.3	0.00	0.00	0.00
2,900.0	23.65	40.50	2,689.4	795.7	679.6	1,046.5	0.00	0.00	0.00
3,000.0	23.65	40.50	2,781.0	826.2	705.7	1,086.6	0.00	0.00	0.00
3,100.0	23.65	40.50	2,872.6	856.7	731.7	1,126.7	0.00	0.00	0.00
3,200.0	23.65	40.50	2,964.2	887.2	757.8	1,166.8	0.00	0.00	0.00
3,300.0	23.65	40.50	3,055.9	917.8	783.8	1,206.9	0.00	0.00	0.00
3,400.0	23.65	40.50	3,147.5	948.3	809.9	1,247.0	0.00	0.00	0.00
3,444.7	23.65	40.50	3,188.4	961.9	821.5	1,265.0	0.00	0.00	0.00
3,500.0	21.44	40.50	3,239.5	978.0	835.3	1,286.2	4.00	-4.00	0.00
3,600.0	17.44	40.50	3,333.7	1,003.3	856.9	1,319.4	4.00	-4.00	0.00
3,700.0	13.44	40.50	3,430.1	1,023.6	874.2	1,346.1	4.00	-4.00	0.00
3,800.0	9.44	40.50	3,528.1	1,038.6	887.1	1,365.9	4.00	-4.00	0.00
3,900.0	5.44	40.50	3,627.3	1,048.5	895.5	1,378.8	4.00	-4.00	0.00
4,000.0	1.44	40.50	3,727.1	1,053.0	899.4	1,384.8	4.00	-4.00	0.00
4,035.9	0.00	0.00	3,763.0	1,053.4	899.7	1,385.3	4.00	-4.00	0.00
4,100.0	0.00	0.00	3,827.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,185.9	0.00	0.00	3,913.0	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,200.0	0.00	0.00	3,927.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,027.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,400.0	0.00	0.00	4,127.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,227.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,327.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,427.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,527.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,627.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning	Local Co-ordinate Reference: Well SJ27-4 #43P	
Company: ConocoPhillips SJBU	TVD Reference: WELL @ 6812.0usft (Original Well Elev)	
Project: San Juan Basin - New Mexico West Wells	MD Reference: WELL @ 6812.0usft (Original Well Elev)	
Site: San Juan 27 Wells	North Reference: True	
Well: SJ 27-4 #43P	Survey Calculation Method: Minimum Curvature	
Wellbore: Original Hole - APD		
Design: APD Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	0.00	0.00	4,727.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,827.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,200.0	0.00	0.00	4,927.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,027.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,127.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,227.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,327.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,427.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,527.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,627.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,727.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,827.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,927.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,027.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,127.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,227.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,327.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,427.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,527.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,627.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,727.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,827.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,927.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,027.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,127.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,227.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,327.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,427.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,527.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,627.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,727.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,827.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
8,200.0	0.00	0.00	7,927.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,027.1	1,053.4	899.7	1,385.3	0.00	0.00	0.00
8,354.9	0.00	0.00	8,082.0	1,053.4	899.7	1,385.3	0.00	0.00	0.00

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Target	0.00	0.00	8,082.0	1,053.4	899.7	2,026,418.72	665,655.61	36° 34' 4.122 N	107° 16' 9.222 W
- plan hits target center									
- Circle (radius 5.0)									
ICP	0.00	0.00	3,913.0	1,053.4	899.7	2,026,418.72	665,655.61	36° 34' 4.122 N	107° 16' 9.222 W
- plan hits target center									
- Circle (radius 5.0)									

REFERENCE INFORMATION

WELL @ 6812.0usft (Original Well Elev)
Ground Elevation 6797.0
Reference Lat: 36° 33' 53.706 N
Reference Long: 107° 16' 20.250 W

Project: San Juan Basin - New Mexico West
Site: San Juan 27 Wells
Well: SJ 27-4 #43P
Wellbore: Original Hole - APD
Design: APD Design #1

ConocoPhillips

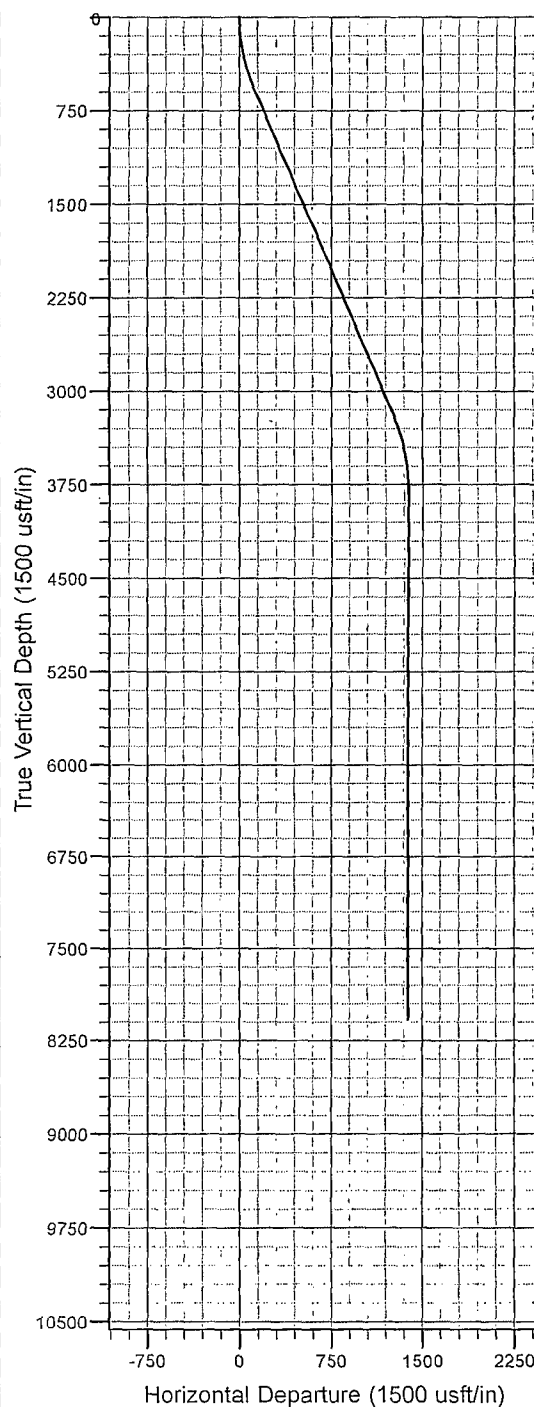
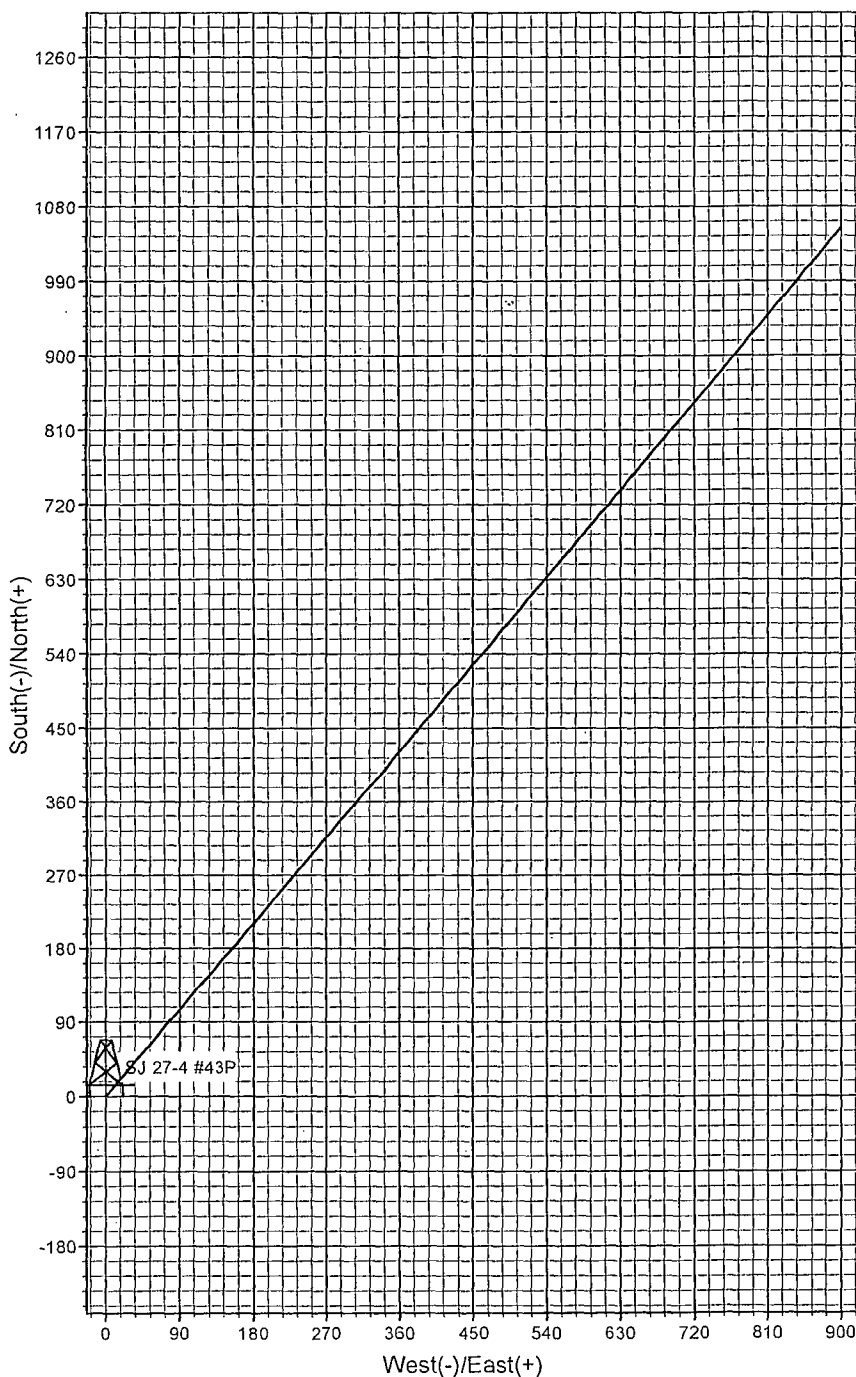
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	591.3	23.65	40.50	574.6	91.5	78.1	4.00	40.50	120.3	
3	3444.7	23.65	40.50	3188.4	961.9	821.5	0.00	0.00	1265.0	
4	4035.9	0.00	0.00	3763.0	1053.4	899.7	4.00	180.00	1385.3	
5	4185.9	0.00	0.00	3913.0	1053.4	899.7	0.00	0.00	1385.3	ICP
6	8354.9	0.00	0.00	8082.0	1053.4	899.7	0.00	0.00	1385.3	Target



Azimuths to True North
Magnetic North: 9.50°

Magnetic Field
Strength: 50505.8snT
Dip Angle: 63.35°
Date: 11/16/2012
Model: BGGM2012



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #43P

397' FNL, 2237' FEL

SECTION 20, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.564928°N LONG.: 107.272891°W

NAD 83 LAT.: 36°33'53.7396"N LONG.: 107°16'22.4080"W

ELEV.: 6797 NAVD88

NO NEW ACCESS

**DRIVING DIRECTIONS FROM BLOOMFIELD, NEW MEXICO HEADING EAST FROM
THE INTERSECTION OF US HWY 550 AND US HWY 64:**

- GO 36.4 MILES EAST ON US HWY 64 (TO MILE POST 101.1). TURN RIGHT (BY GOBERNADOR SCHOOL) AND TRAVEL SOUTH ON CR 366.
- GO 1.1 MILES SOUTH. STAY RIGHT ON "GENERAL AMERICAN" ROAD.
- GO 3.4 MILES SOUTH TO A CROSS ROAD INTERSECTION. CONTINUE STRAIGHT.
- GO 5.2 MILES SOUTH TO A "Y" IN THE ROAD. STAY LEFT AND CONTINUE ON "GENERAL AMERICAN" ROAD.
- GO 2.4 MILES HEADING SOUTH & EAST INTO CEREZA CANYON. TURN RIGHT & HEAD TOWARD COTTON WOOD CROSSING.
- GO 1.1 MILE SOUTH ACROSS CEREZA WASH AT COTTON WOOD CROSSING, TURN LEFT (EAST).
- GO 1.8 MILES EASTERLY. TURN LEFT ON FOREST ROAD 357.
- GO 1.7 MILES EAST (SOUTH OF WATER HOLE 44 CROSSING). TURN RIGHT ON FOREST ROAD 315.
- GO 0.6 MILES EAST. TURN HARD RIGHT ON FOREST ROAD 315-P.
- GO 0.3 MILES SOUTH EAST TO STAKING. WELL FLAG IS 55 FT. LEFT OF FOREST ROAD 315-P.