

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 07 2011

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-077842 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe OIL CONS. DIV. DIST. 3
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name MV-NMNM78417A San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Surface: Unit H (SENE), 2100' FNL & 625' FEL BHL : Unit E (SWNW), 1375' FNL & 710' FWL Surface: Latitude: 36.727244° N (NAD83) Longitude: 107.569464° W Surface: Latitude: 36.729235° N (NAD83) Longitude: 107.564913° W	9. Well Number 102C 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 16, T29N, R7W BHL : Sec. 15, T29N, R7W API# 30-039-31095
14. Distance in Miles from Nearest Town 17.7 Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 625'	13. State NM
16. Acres in Lease 520.000 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	17. Acres Assigned to Well 320.00 Acres W/2 DK 320.00 Acres W/2 MV
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 329' SJ 29-7 Unit #175	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7490'	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
21. Elevations (DF, FT, GR, Etc.) 6246' GL	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	10/7/11 Date

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/6/12

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

JAN 13 2012 ca

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD

ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31095		*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 37444 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 102C
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6246'

¹⁰ Surface Location

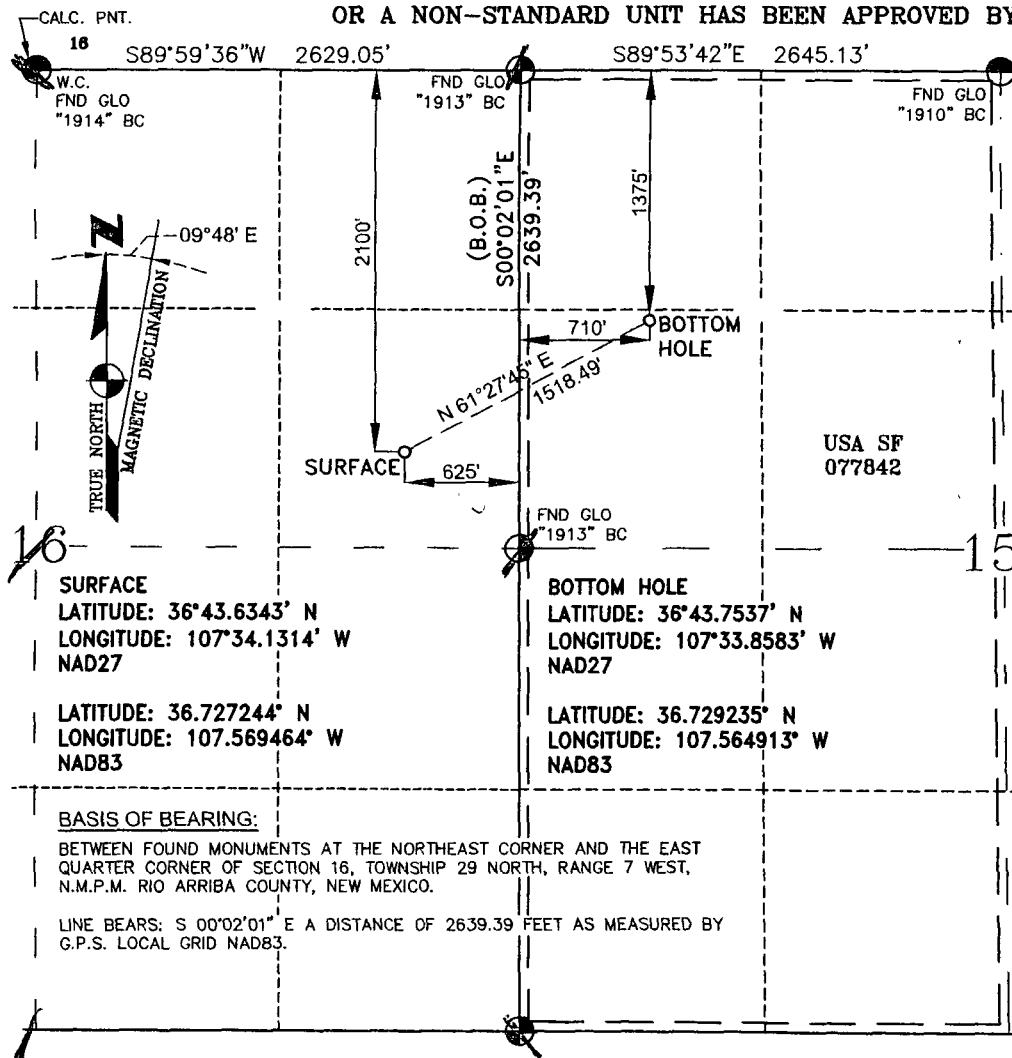
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	29-N	7-W		2100	NORTH	625	EAST	RIO ARRIBA

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
E	15	29-N	7-W		1375	NORTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/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



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

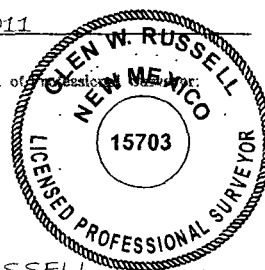
Arleen Kellywood 7/11/11
Signature Date
Arleen Kellywood
Printed Name
arleen.r.kellywood@conocophillips.com
E-mail Address

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.

JUNE 30, 2011
Date of Survey

Signature and Seal of the Licensed Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 102C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8319				AFE \$:	
Field Name: SAN JUAN 29-7 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface		Datum: Code: NAD 27				Directional	
Latitude: 36.727238	Longitude: -107.568856	X:	Y:	Section: 16	Range: 007W		
Footage X: 625 FEL	Footage Y: 2100 FNL	Elevation: 6246	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole		Datum: Code: NAD 27				Directional	
Latitude: 36.729229	Longitude: -107.564305	X:	Y:	Section: 15	Range: 007W		
Footage X: 710 FWL	Footage Y: 1375 FNL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6261 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6061		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	728	5533		☐			
OJO ALAMO	2131	4130		☐			
KIRTLAND	2272	3989		☐			
FRUITLAND	2619	3642		☐			Possible Gas
PICTURED CLIFFS	3068	3193		☐			
LEWIS	3233	3028		☐			
HUERFANITO BENTONITE	3809	2452		☐			
Intermediate Casing	3859	2402		☐	132		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 955 cuft. Circulate cement to surface.
CHACRA	4038	2223		☐			Est. Top Perf - 4040 (2221)
UPPER CLIFF HOUSE	4588	1673		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	4793	1468		☐	536		Gas
MENEFEE	4897	1364		☐			
POINT LOOKOUT	5244	1017		☐			
MANCOS	5635	626		☐			
UPPER GALLUP	6491	-230		☐			
GREENHORN	7216	-955		☐			
GRANEROS	7266	-1005		☐			
TWO WELLS	7315	-1054		☐	3047		Gas
PAGUATE	7395	-1134		☐			
UPPER CUBERO	7423	-1162		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 102C

DEVELOPMENT

LOWER CUBERO	7449	-1188	☐	Est. Btm Perf - 7470 (-1209) based on offset wells
ENCINAL	7490	-1229	☐	211 TD - T/ENCN
Total Depth	7490	-1229	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 457 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 29-7 129M	29N 7W 16 SW NE SE
Production	SJ 29-7 92M	29N 7W 16 SE NW NE
Production	SJ 29-7 92A	29N 7W 16 NE NW
Production	SJ 29-7 63C	29N 7W 10 SW SW SE

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Additional Information:

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

San Juan Basin - New Mexico West Wells

San Juan 29 Wells

SJ 29-7 #102C

Wellbore #1

Plan: Plan #1

Standard Planning Report

24 August, 2011

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102C
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6261.0ft (Original Well Elev):
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6261.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
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:	San Juan 29 Wells		
Site Position:		Northing:	2,094,594.32 ft
From:	Lat/Long	Easting:	582,092.15 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 45' 21.930 N
		Longitude:	107° 33' 11.172 W
		Grid Convergence:	0.17 "

Well:	SJ 29-7 #102C, S Curve long		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	15.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 43' 38.058 N
		Longitude:	107° 34' 7.884 W
		Ground Level:	6,246.0 ft

Wellbore:	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2011	8/24/2011	9.79
			Dip Angle
			(°)
			Field Strength
			(nT)
			63.49
			50,762

Design:	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			61.49

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,378.5	31.76	61.49	1,325.2	136.5	251.3	3.00	3.00	0.00	61.49	
3,176.3	31.76	61.49	2,853.8	588.1	1,082.7	0.00	0.00	0.00	0.00	
4,234.9	0.00	0.00	3,859.0	724.5	1,334.0	3.00	-3.00	0.00	180.00	SJ 29-7 102C ICP
7,865.9	0.00	0.00	7,490.0	724.5	1,334.0	0.00	0.00	0.00	0.00	SJ 29-7 102C PCP

ConocoPhillips or its affiliates

Planning Report

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Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6261 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6261 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned 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	
100 0	0.00	0.00	100 0	0 0	0 0	0 0	0.00	0.00	0.00	
200 0	0.00	0.00	200 0	0 0	0 0	0 0	0.00	0.00	0.00	
230 0	0.00	0.00	230 0	0 0	0 0	0 0	0.00	0.00	0.00	
Surface										
300 0	0.00	0.00	300 0	0 0	0 0	0 0	0.00	0.00	0.00	
320 0	0.00	0.00	320 0	0 0	0 0	0 0	0.00	0.00	0.00	
400 0	2.40	61.49	400 0	0.8	1.5	1.7	3.00	3.00	0.00	
500 0	5.40	61.49	499.7	4.0	7.4	8.5	3.00	3.00	0.00	
600 0	8.40	61.49	599.0	9.8	18.0	20.5	3.00	3.00	0.00	
700 0	11.40	61.49	697.5	18.0	33.1	37.7	3.00	3.00	0.00	
731.2	12.34	61.49	728.0	21.0	38.7	44.1	3.00	3.00	0.00	
Nacimiento										
800 0	14.40	61.49	795.0	28.6	52.7	60.0	3.00	3.00	0.00	
900 0	17.40	61.49	891.1	41.7	76.8	87.4	3.00	3.00	0.00	
1,000 0	20.40	61.49	985.7	57.2	105.3	119.8	3.00	3.00	0.00	
1,100 0	23.40	61.49	1,078.5	75.0	138.0	157.1	3.00	3.00	0.00	
1,200 0	26.40	61.49	1,169.2	95.1	175.0	199.2	3.00	3.00	0.00	
1,300 0	29.40	61.49	1,257.6	117.4	216.1	246.0	3.00	3.00	0.00	
1,378.5	31.76	61.49	1,325.2	136.5	251.3	285.9	3.00	3.00	0.00	
1,400 0	31.76	61.49	1,343.4	141.9	261.2	297.2	0.00	0.00	0.00	
1,500 0	31.76	61.49	1,428.4	167.0	307.4	349.8	0.00	0.00	0.00	
1,600 0	31.76	61.49	1,513.5	192.1	353.7	402.5	0.00	0.00	0.00	
1,700 0	31.76	61.49	1,598.5	217.2	399.9	455.1	0.00	0.00	0.00	
1,800 0	31.76	61.49	1,683.5	242.3	446.2	507.7	0.00	0.00	0.00	
1,900 0	31.76	61.49	1,768.6	267.5	492.4	560.4	0.00	0.00	0.00	
2,000 0	31.76	61.49	1,853.6	292.6	538.7	613.0	0.00	0.00	0.00	
2,100 0	31.76	61.49	1,938.6	317.7	584.9	665.6	0.00	0.00	0.00	
2,200 0	31.76	61.49	2,023.7	342.8	631.2	718.3	0.00	0.00	0.00	
2,300 0	31.76	61.49	2,108.7	367.9	677.4	770.9	0.00	0.00	0.00	
2,326.2	31.76	61.49	2,131.0	374.5	689.6	784.7	0.00	0.00	0.00	
Ojo Alamo										
2,400 0	31.76	61.49	2,193.7	393.1	723.7	823.5	0.00	0.00	0.00	
2,492.1	31.76	61.49	2,272.0	416.2	766.2	872.0	0.00	0.00	0.00	
Kirtland										
2,500 0	31.76	61.49	2,278.7	418.2	769.9	876.2	0.00	0.00	0.00	
2,600 0	31.76	61.49	2,363.8	443.3	816.2	928.8	0.00	0.00	0.00	
2,700 0	31.76	61.49	2,448.8	468.4	862.4	981.4	0.00	0.00	0.00	
2,800 0	31.76	61.49	2,533.8	493.5	908.7	1,034.0	0.00	0.00	0.00	
2,900 0	31.76	61.49	2,618.9	518.7	954.9	1,086.7	0.00	0.00	0.00	
2,900.2	31.76	61.49	2,619.0	518.7	955.0	1,086.8	0.00	0.00	0.00	
Fruitland										
3,000 0	31.76	61.49	2,703.9	543.8	1,001.2	1,139.3	0.00	0.00	0.00	
3,100 0	31.76	61.49	2,788.9	568.9	1,047.4	1,191.9	0.00	0.00	0.00	
3,176.3	31.76	61.49	2,853.8	588.1	1,082.7	1,232.1	0.00	0.00	0.00	
3,200 0	31.05	61.49	2,874.0	594.0	1,093.5	1,244.4	3.00	-3.00	0.00	
3,300 0	28.05	61.49	2,961.0	617.5	1,136.9	1,293.7	3.00	-3.00	0.00	
3,400 0	25.05	61.49	3,050.5	638.8	1,176.1	1,338.4	3.00	-3.00	0.00	
3,419.3	24.47	61.49	3,068.0	642.7	1,183.3	1,346.5	3.00	-3.00	0.00	
Pictured Cliffs										
3,500 0	22.05	61.49	3,142.1	657.9	1,211.2	1,378.4	3.00	-3.00	0.00	
3,597.1	19.13	61.49	3,233.0	674.2	1,241.3	1,412.5	3.00	-3.00	0.00	
Lewis										

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102C
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6261 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6261 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned 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)	
3,600.0	19.05	61.49	3,235.7	674.6	1,242.1	1,413.5	3.00	-3.00	0.00	
3,700.0	16.05	61.49	3,331.1	689.0	1,268.6	1,443.6	3.00	-3.00	0.00	
3,800.0	13.05	61.49	3,427.9	701.0	1,290.6	1,468.7	3.00	-3.00	0.00	
3,900.0	10.05	61.49	3,525.8	710.6	1,308.2	1,488.7	3.00	-3.00	0.00	
4,000.0	7.05	61.49	3,624.7	717.7	1,321.3	1,503.6	3.00	-3.00	0.00	
4,100.0	4.05	61.49	3,724.2	722.3	1,329.8	1,513.3	3.00	-3.00	0.00	
4,184.9	1.50	61.49	3,809.0	724.2	1,333.4	1,517.4	3.00	-3.00	0.00	
Huerfano Bentonite										
4,200.0	1.05	61.49	3,824.1	724.4	1,333.7	1,517.7	3.00	-3.00	0.00	
4,234.9	0.00	0.00	3,859.0	724.5	1,334.0	1,518.0	3.00	-3.00	0.00	
Intermediate - SJ 29-7 102C ICP										
4,300.0	0.00	0.00	3,924.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,024.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,413.9	0.00	0.00	4,038.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Chacra										
4,500.0	0.00	0.00	4,124.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,224.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,324.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,424.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,524.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
4,963.9	0.00	0.00	4,588.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Upper Cliff House										
5,000.0	0.00	0.00	4,624.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,724.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,168.9	0.00	0.00	4,793.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Massive Cliff House										
5,200.0	0.00	0.00	4,824.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,272.9	0.00	0.00	4,897.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Menefee										
5,300.0	0.00	0.00	4,924.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,024.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,124.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,224.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,619.9	0.00	0.00	5,244.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Pt. Lookout										
5,700.0	0.00	0.00	5,324.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,424.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,524.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,624.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,010.9	0.00	0.00	5,635.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Mancos Shale										
6,100.0	0.00	0.00	5,724.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,824.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,924.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,024.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,124.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,224.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,324.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,424.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
6,866.9	0.00	0.00	6,491.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
Gallup										
6,900.0	0.00	0.00	6,524.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,624.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6261 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6261 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned 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)
7,100.0	0.00	0.00	6,724.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,200.0	0.00	0.00	6,824.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,300.0	0.00	0.00	6,924.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,024.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,124.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,591.9	0.00	0.00	7,216.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Greenhorn									
7,600.0	0.00	0.00	7,224.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,641.9	0.00	0.00	7,266.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Graneros									
7,690.9	0.00	0.00	7,315.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Two Wells									
7,700.0	0.00	0.00	7,324.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,770.9	0.00	0.00	7,395.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Paguate									
7,800.0	0.00	0.00	7,424.1	724.5	1,334.0	1,518.0	0.00	0.00	0.00
7,811.9	0.00	0.00	7,436.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Upper Cubero									
7,824.9	0.00	0.00	7,449.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Lower Cubero									
7,865.9	0.00	0.00	7,490.0	724.5	1,334.0	1,518.0	0.00	0.00	0.00
Encinal - TD - Production - SJ 29-7 102C PCP									

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
Shape									Latitude Longitude
SJ 29-7 102C ICP		0.00	0.00	3,859.0	724.5	1,334.0	2,084,805.43	578,838.13	36° 43' 45.222 N 107° 33' 51.498 W
- plan hits target center									
- Point									
SJ 29-7 102C PCP		0.00	0.00	7,490.0	724.5	1,333.9	2,084,805.39	578,838.07	36° 43' 45.222 N 107° 33' 51.499 W
- plan hits target center									
- Point									

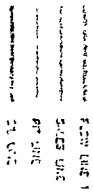
Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surface	9-5/8	12-1/4	
4,234.9	3,859.0	Intermediate	7	8-3/4	
7,865.9	7,490.0	Production	4-1/2	6-1/4	

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6261.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6261.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,184.9	3,809.0	Huerfano Bentonite		0.00		
7,865.9	7,490.0	TD		0.00		
7,824.9	7,449.0	Lower Cubero		0.00		
6,866.9	6,491.0	Gallup		0.00		
7,591.9	7,216.0	Greenhorn		0.00		
2,492.1	2,272.0	Kirtland		0.00		
5,619.9	5,244.0	Pt Lookout		0.00		
731.2	728.0	Nacimiento		0.00		
3,419.3	3,068.0	Pictured Cliffs		0.00		
3,597.1	3,233.0	Lewis		0.00		
5,272.9	4,897.0	Menefee		0.00		
7,865.9	7,490.0	Encinal		0.00		
7,770.9	7,395.0	Paguate		0.00		
7,690.9	7,315.0	Two Wells		0.00		
4,963.9	4,588.0	Upper Cliff House		0.00		
4,413.9	4,038.0	Chacra		0.00		
2,326.2	2,131.0	Ojo Alamo		0.00		
5,168.9	4,793.0	Massive Cliff House		0.00		
7,811.9	7,436.0	Upper Cubero		0.00		
2,900.2	2,619.0	Fruitland		0.00		
6,010.9	5,635.0	Mancos Shale		0.00		
7,641.9	7,266.0	Graneros		0.00		

[illegible]

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT #102C
2100' FNL & 625' FEL,
Section 16, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 43' 38.079" N
Long: 107° 34' 10.071" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 17.1 miles,
Turn right (south-southwest) through locked gate 0.3 miles,
Turn left (south-southeasterly) 0.3 miles,
To beginning of new access on left side of road,
Turn left (southeast) 259.23' to newly staked location.