

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 26 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-077842 Unit Reporting Number NMNM 7847A (MW)
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 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 102B
4. Location of Well Surface: Unit F (SENW), 1610' FNL & 1960' FWL BHL : Unit L (NWSW), 2585' FSL & 1275' FWL Surface: Latitude: 36.728585° N (NAD83) Longitude: 107.560643° W BHL : Latitude: 36.725630° N (NAD83) Longitude: 107.562985° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 15, T29N, R7W API# 30-039- 31126
14. Distance in Miles from Nearest Town 17.8 miles from Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1275'	13. State NM
16. Acres in Lease 520.000	17. Acres Assigned to Well 320.00 Acres W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 74' from SJ 29-7 Unit 194 PC/FC	
19. Proposed Depth 7466'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6211' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	Date <u>6/26/12</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 7/16/12

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

This action is subject to technical and procedural review pursuant to 43 CFR 3160.9 and appeal pursuant to 43 CFR 3165.4

for Directional Survey and "As Drilled" plat

NMOC

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED *GFA

JUL 23 2012

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Hold C104
for Directional Survey
and "As Drilled" plat

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

JUN 26 2012

Form C-102 Revised
July 16, 2010

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

OIL CONSERVATION DIVISION Farmington Field Office
1220 South St. Francis Dr. Bureau of Land Management
Santa Fe, NM 87505

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31126	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 102B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6211'

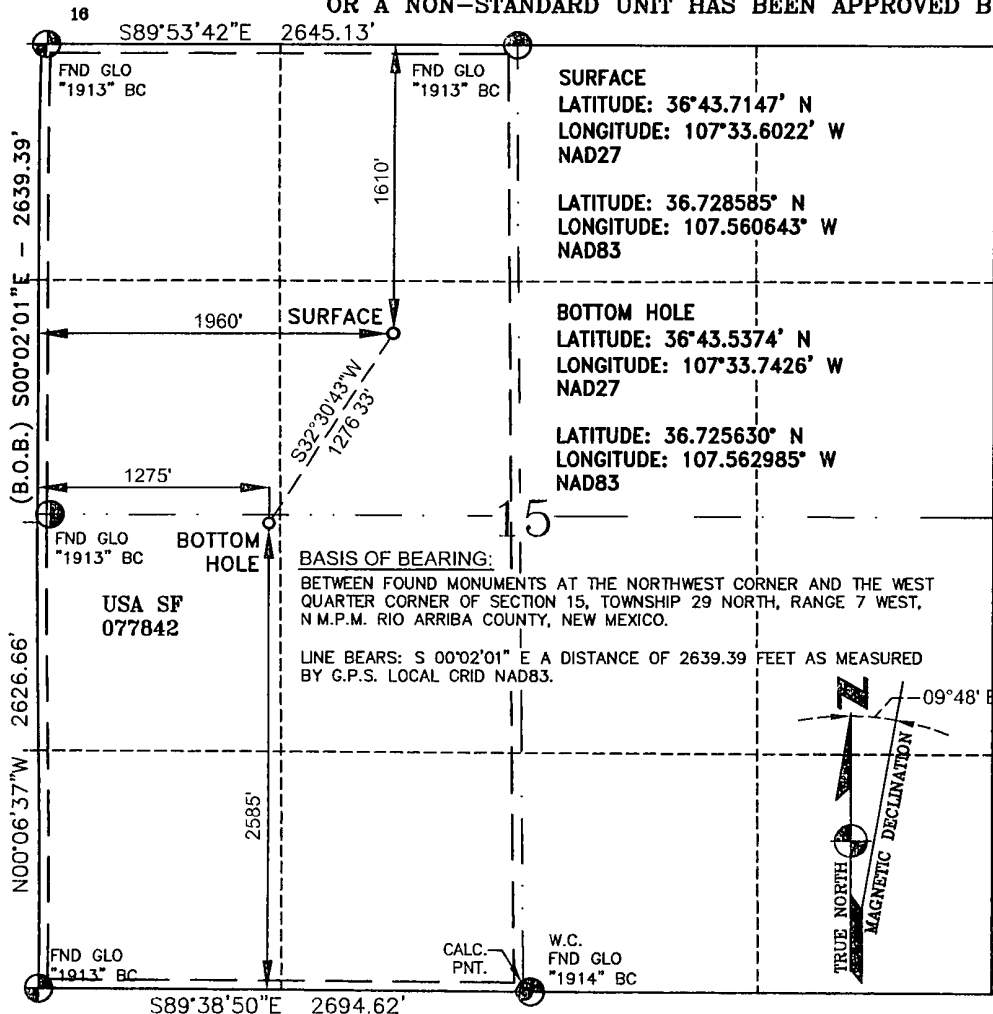
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	29-N	7-W		1610	NORTH	1960	WEST	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
L	15	29-N	7-W		2585	SOUTH	1275	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.		

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

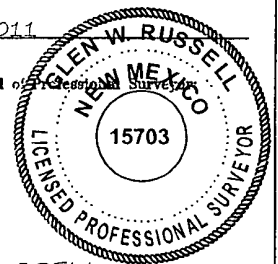
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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 9/13/11
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 Professional Surveyor
GLEN W. RUSSELL
Certificate Number 15703



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 102B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7152				AFE \$:	
Field Name: SAN JUAN 29-7 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		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: 36.728579		Longitude: -107.560036		X:	Y:	Section: 15	Range: 007W
Footage X: 1960 FWL		Footage Y: 1610 FNL		Elevation: 6211 (FT)		Township: 029N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.725624		Longitude: -107.562378		X:	Y:	Section: 15	Range: 007W
Footage X: 1275 FWL		Footage Y: 2585 FSL		Elevation: (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6226 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6211		☐			
Surface Casing	200	6026		☐		56	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	727	5499		☐		67	
OJO ALAMO	2115	4111		☐			
KIRTLAND	2239	3987		☐			
FRUITLAND	2589	3637		☐	421	107	Possible Gas
PICTURED CLIFFS	3026	3200		☐	897		
LEWIS	3197	3029		☐			
HUERFANITO BENTONITE	3770	2456		☐			
CHACRA	4002	2224		☐			
Intermediate Casing	4200	2026		☐		120	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1124 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	4760	1466		☐	553	153	Gas
MENEFEE	4868	1358		☐			
POINT LOOKOUT	5210	1016		☐			
MANCOS	5601	625		☐		171	
UPPER GALLUP	6450	-224		☐			
GREENHORN	7160	-934		☐			
GRANEROS	7214	-988		☐		206	
TWO WELLS	7261	-1035		☐	2996		Gas
PAGUATE	7354	-1128		☐			
UPPER CUBERO	7376	-1150		☐		209	Gas

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 102B

DEVELOPMENT

LOWER CUBERO	7397	-1171	☐		Gas - bottom perf ~15' above TD.
ENCINAL	7466	-1240	☐		
Total Depth	7466	-1240	☐	211	6-1/4" hole, 4-1/2" 11.6 ppf, J-55, LTC/BTC casing. Cement w/ 447 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7489	-1263	☐		wet in SJ 29-7 65M (29n7w22) & SJ 29-7 67M (29n7w23)
MORRISON	7563	-1337	☐	213	

Reference Wells:

Reference Type	Well Name	Comments
Production	SAN JUAN 29-7 UNIT 129M	

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 gllp down to TD.

Mudlogger will call TD

Bottom perf ~15' above TD.

Additional Information:

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102B
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6226 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6226 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #102B #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:	Ground 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:	2,083,494.88ft	Latitude:	36° 43' 32.246 N
From:	Lat/Long	Easting:	579,406.55ft	Longitude:	107° 33' 44.561 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.16 °

Well:	SJ 29-7 #102B					
Well Position	+N/-S	0.0 ft	Northing:	2,084,572.34 ft	Latitude:	36° 43' 42.882 N
	+E/-W	0.0 ft	Easting:	580,089.64 ft	Longitude:	107° 33' 36.132 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	15.0 ft	Ground Level:	6,211.0 ft	

Wellbore:	SJ 29-7 #102B #1
------------------	------------------

Magnetics	Model Name	Sample Date	Declination (°)	Dip/Angle (°)	Field Strength (nT)
	BGGM2011	5/16/2012	9.70	63.46	50,627

Design:	Plan #1
----------------	---------

Audit Notes:	
Version:	Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	212.52

Plan Sections										
Measured:	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth (ft)	(°)	(°)	Depth (ft)	(ft)	(ft)	Rate (°/100ft)	Rate (°/100ft)	Rate (°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,567.1	24.34	212.52	1,530.8	-214.7	-136.9	2.00	2.00	0.00	212.52	
3,632.7	24.34	212.52	3,412.8	-932.7	-594.6	0.00	0.00	0.00	0.00	
4,444.1	0.00	0.00	4,200.0	-1,075.8	-685.8	3.00	-3.00	0.00	180.00	SJ 29-7 #102B ICP
7,710.1	0.00	0.00	7,466.0	-1,075.8	-685.8	0.00	0.00	0.00	0.00	SJ 29-7 #102B PCF

ConocoPhillips or its affiliates

Planning Report

Database	EDM Central Planning	Local Co-ordinate Reference	Well SJ 29-7 #102B
Company	ConocoPhillips SJB	TVD Reference	WELL @ 6226.0ft (Original Well Elev)
Project	San Juan Basin - New Mexico West Wells	MD Reference	WELL @ 6226.0ft (Original Well Elev)
Site	San Juan 29 Wells	North Reference	True
Well	SJ 29-7 #102B	Survey Calculation Method	Minimum Curvature
Wellbore	SJ 29-7 #102B #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
15.0	0.00	0.00	15.0	0.0	0.0	0.0	0.00	0.00	0.00
SAN JOSE									
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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.00	212.52	400.0	-0.4	-0.2	0.4	2.00	2.00	0.00
500.0	3.00	212.52	499.9	-3.3	-2.1	3.9	2.00	2.00	0.00
600.0	5.00	212.52	599.7	-9.2	-5.9	10.9	2.00	2.00	0.00
700.0	7.00	212.52	699.1	-18.0	-11.5	21.4	2.00	2.00	0.00
728.1	7.56	212.52	727.0	-21.0	-13.4	24.9	2.00	2.00	0.00
NACIMIENTO									
800.0	9.00	212.52	798.2	-29.7	-19.0	35.3	2.00	2.00	0.00
900.0	11.00	212.52	896.6	-44.4	-28.3	52.6	2.00	2.00	0.00
1,000.0	13.00	212.52	994.4	-61.9	-39.5	73.4	2.00	2.00	0.00
1,100.0	15.00	212.52	1,091.5	-82.3	-52.5	97.6	2.00	2.00	0.00
1,200.0	17.00	212.52	1,187.6	-105.6	-67.3	125.2	2.00	2.00	0.00
1,300.0	19.00	212.52	1,282.7	-131.6	-83.9	156.1	2.00	2.00	0.00
1,400.0	21.00	212.52	1,376.6	-160.4	-102.3	190.3	2.00	2.00	0.00
1,500.0	23.00	212.52	1,469.4	-192.0	-122.4	227.7	2.00	2.00	0.00
1,567.1	24.34	212.52	1,530.8	-214.7	-136.9	254.7	2.00	2.00	0.00
1,600.0	24.34	212.52	1,560.8	-226.2	-144.2	268.2	0.00	0.00	0.00
1,700.0	24.34	212.52	1,651.9	-260.9	-166.3	309.5	0.00	0.00	0.00
1,800.0	24.34	212.52	1,743.0	-295.7	-188.5	350.7	0.00	0.00	0.00
1,900.0	24.34	212.52	1,834.1	-330.5	-210.7	391.9	0.00	0.00	0.00
2,000.0	24.34	212.52	1,925.2	-365.2	-232.8	433.1	0.00	0.00	0.00
2,100.0	24.34	212.52	2,016.3	-400.0	-255.0	474.3	0.00	0.00	0.00
2,200.0	24.34	212.52	2,107.5	-434.7	-277.1	515.5	0.00	0.00	0.00
2,208.3	24.34	212.52	2,115.0	-437.6	-279.0	519.0	0.00	0.00	0.00
OJO ALAMO									
2,300.0	24.34	212.52	2,198.6	-469.5	-299.3	556.8	0.00	0.00	0.00
2,344.4	24.34	212.52	2,239.0	-484.9	-309.1	575.0	0.00	0.00	0.00
KIRTLAND									
2,400.0	24.34	212.52	2,289.7	-504.2	-321.4	598.0	0.00	0.00	0.00
2,500.0	24.34	212.52	2,380.8	-539.0	-343.6	639.2	0.00	0.00	0.00
2,600.0	24.34	212.52	2,471.9	-573.7	-365.7	680.4	0.00	0.00	0.00
2,700.0	24.34	212.52	2,563.0	-608.5	-387.9	721.6	0.00	0.00	0.00
2,728.5	24.34	212.52	2,589.0	-618.4	-394.2	733.4	0.00	0.00	0.00
FRUITLAND									
2,800.0	24.34	212.52	2,654.1	-643.3	-410.1	762.8	0.00	0.00	0.00
2,900.0	24.34	212.52	2,745.2	-678.0	-432.2	804.1	0.00	0.00	0.00
3,000.0	24.34	212.52	2,836.3	-712.8	-454.4	845.3	0.00	0.00	0.00
3,100.0	24.34	212.52	2,927.5	-747.5	-476.5	886.5	0.00	0.00	0.00
3,200.0	24.34	212.52	3,018.6	-782.3	-498.7	927.7	0.00	0.00	0.00
3,208.2	24.34	212.52	3,026.0	-785.1	-500.5	931.1	0.00	0.00	0.00
PICTURED CLIFFS									
3,300.0	24.34	212.52	3,109.7	-817.0	-520.8	968.9	0.00	0.00	0.00
3,395.8	24.34	212.52	3,197.0	-850.3	-542.1	1,008.4	0.00	0.00	0.00
LEWIS									
3,400.0	24.34	212.52	3,200.8	-851.8	-543.0	1,010.1	0.00	0.00	0.00
3,500.0	24.34	212.52	3,291.9	-886.5	-565.2	1,051.4	0.00	0.00	0.00
3,600.0	24.34	212.52	3,383.0	-921.3	-587.3	1,092.6	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102B
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6226.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6226.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #102B #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)	
3,632.7	24.34	212.52	3,412.8	-932.7	-594.6	1,106.1	0.00	0.00	0.00	
3,700.0	22.32	212.52	3,474.6	-955.1	-608.9	1,132.7	3.00	-3.00	0.00	
3,800.0	19.32	212.52	3,568.0	-985.1	-628.0	1,168.3	3.00	-3.00	0.00	
3,900.0	16.32	212.52	3,663.2	-1,010.9	-644.4	1,198.9	3.00	-3.00	0.00	
4,000.0	13.32	212.52	3,759.9	-1,032.5	-658.2	1,224.4	3.00	-3.00	0.00	
4,010.4	13.01	212.52	3,770.0	-1,034.5	-659.5	1,226.8	3.00	-3.00	0.00	
HUERFANITO BENTONITE										
4,100.0	10.32	212.52	3,857.8	-1,049.8	-669.2	1,244.9	3.00	-3.00	0.00	
4,200.0	7.32	212.52	3,956.6	-1,062.7	-677.4	1,260.3	3.00	-3.00	0.00	
4,245.7	5.95	212.52	4,002.0	-1,067.2	-680.3	1,265.5	3.00	-3.00	0.00	
CHACRA										
4,300.0	4.32	212.52	4,056.0	-1,071.2	-682.9	1,270.4	3.00	-3.00	0.00	
4,400.0	1.32	212.52	4,155.9	-1,075.4	-685.5	1,275.3	3.00	-3.00	0.00	
4,444.1	0.00	0.00	4,200.0	-1,075.8	-685.8	1,275.8	3.00	-3.00	0.00	
SJ 29-7 #102B ICP										
4,500.0	0.00	0.00	4,255.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,355.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,455.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,555.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,655.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,755.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,004.1	0.00	0.00	4,760.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
MASSIVE CLIFF HOUSE										
5,100.0	0.00	0.00	4,855.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,112.1	0.00	0.00	4,868.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
MENELEE										
5,200.0	0.00	0.00	4,955.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,055.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,155.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,454.1	0.00	0.00	5,210.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
POINT LOOKOUT										
5,500.0	0.00	0.00	5,255.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,355.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,455.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,555.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
5,845.1	0.00	0.00	5,601.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
MANCOS										
5,900.0	0.00	0.00	5,655.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,755.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,855.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,955.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,055.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,155.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,255.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,355.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,694.1	0.00	0.00	6,450.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
UPPER GALLUP										
6,700.0	0.00	0.00	6,455.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,555.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,655.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,755.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,855.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102B
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6226.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6226.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #102B #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)	
7,200.0	0.00	0.00	6,955.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,055.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,155.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,404.1	0.00	0.00	7,160.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
GREENHORN										
7,458.1	0.00	0.00	7,214.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
GRANEROS										
7,500.0	0.00	0.00	7,255.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,505.1	0.00	0.00	7,261.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
TWO WELLS										
7,598.1	0.00	0.00	7,354.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
PAGUATE										
7,600.0	0.00	0.00	7,355.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,620.1	0.00	0.00	7,376.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
UPPER CUBERO										
7,641.1	0.00	0.00	7,397.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
LOWER CUBERO										
7,700.0	0.00	0.00	7,455.9	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
7,710.1	0.00	0.00	7,466.0	-1,075.8	-685.8	1,275.8	0.00	0.00	0.00	
ENCINAL - SJ 29-7 #102B PCP										

Targets										
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 29-7 #102B PCP	- plan hits target center	0.00	0.00	7,466.0	-1,075.8	-685.8	2,083,494.64	579,406.94	36° 43' 32.244 N	107° 33' 44.556 W
- Point										
SJ 29-7 #102B ICP	- plan hits target center	0.00	0.00	4,200.0	-1,075.8	-685.8	2,083,494.64	579,406.94	36° 43' 32.244 N	107° 33' 44.556 W
- Point										

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #102B
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6226.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6226.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #102B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #102B #1		
Design:	Plan #1		

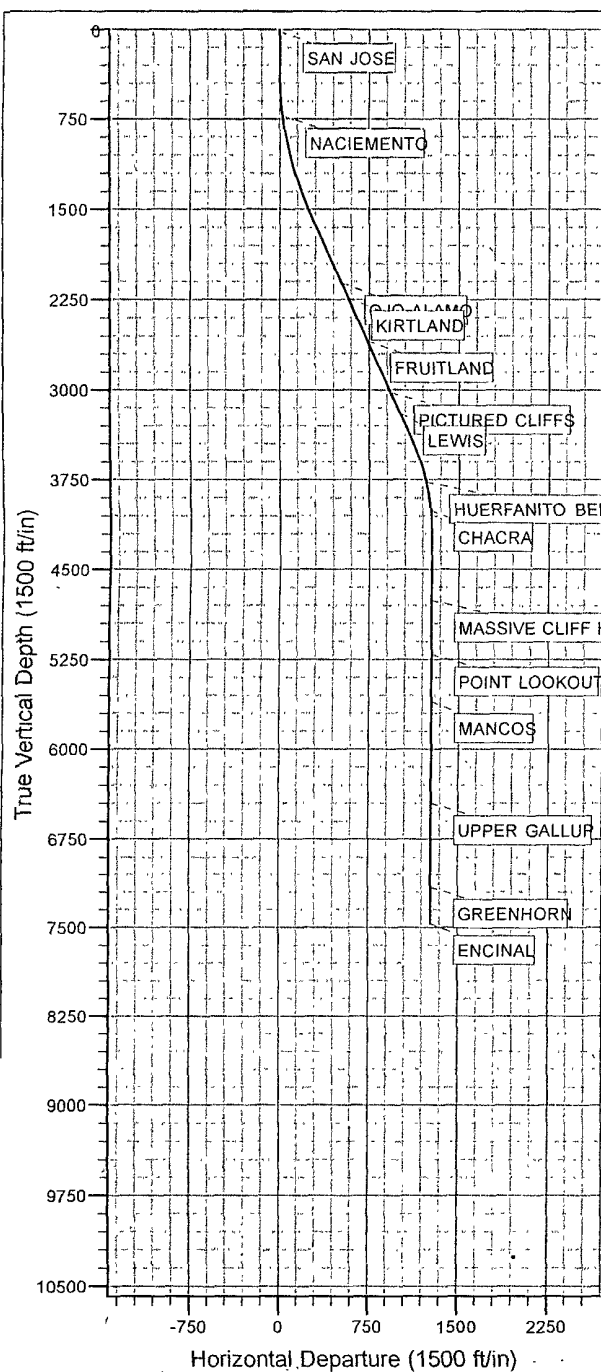
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
728.1	727.0	NACIEMENTO		0.00		
7,505.1	7,261.0	TWO WELLS		0.00		
15.0	15.0	SAN JOSE		0.00		
5,454.1	5,210.0	POINT LOOKOUT		0.00		
4,245.7	4,002.0	CHACRA		0.00		
4,010.4	3,770.0	HUERFANITO BENTONITE		0.00		
6,694.1	6,450.0	UPPER GALLUP		0.00		
5,112.1	4,868.0	MENEFEE		0.00		
3,395.8	3,197.0	LEWIS		0.00		
2,728.5	2,589.0	FRUITLAND		0.00		
7,404.1	7,160.0	GREENHORN		0.00		
5,004.1	4,760.0	MASSIVE CLIFF HOUSE		0.00		
7,458.1	7,214.0	GRANEROS		0.00		
2,208.3	2,115.0	OJO ALAMO		0.00		
7,710.1	7,466.0	ENCINAL		0.00		
7,620.1	7,376.0	UPPER CUBERO		0.00		
7,598.1	7,354.0	PAGUATE		0.00		
2,344.4	2,239.0	KIRTLAND		0.00		
5,845.1	5,601.0	MANCOS		0.00		
3,208.2	3,026.0	PICTURED CLIFFS		0.00		
7,641.1	7,397.0	LOWER CUBERO		0.00		

WELL @ 6226.0ft (Original Well Elev)
 Ground Elevation 6211.0
 Reference Lat. 36° 43' 42.882 N
 Reference Long: 107° 33' 36.132 W

Project: San Juan Basin - New Mexico West V
 Site: San Juan 29 Wells
 Well: SJ 29-7 #102B
 Wellbore: SJ 29-7 #102B #1
 Design: Plan #1

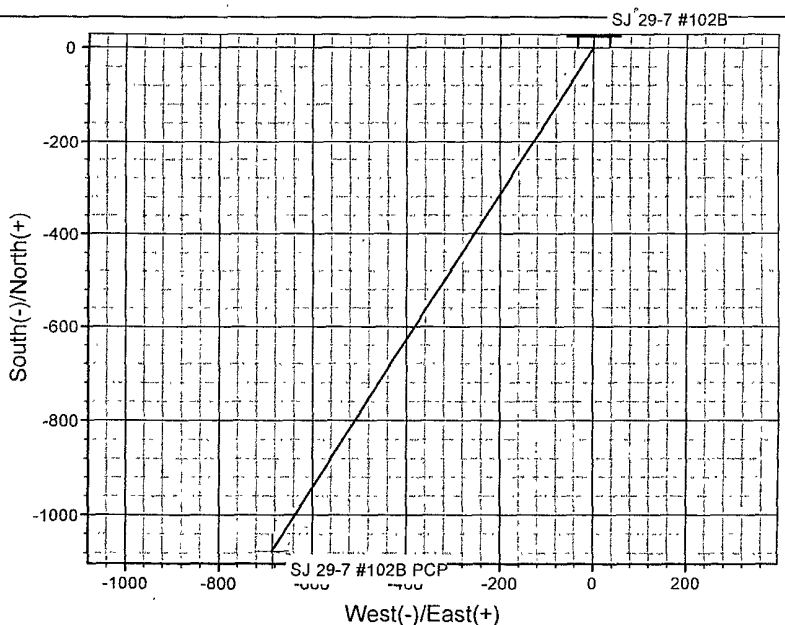
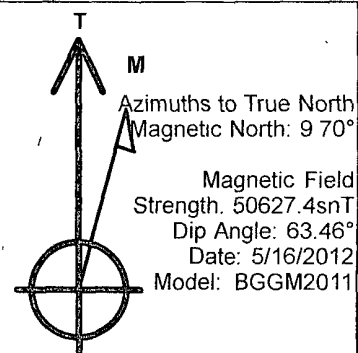
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1567.1	24.34	212.52	1530.8	-214.7	-136.9	2.00	212.52	254.7	
4	3632.7	24.34	212.52	3412.8	-932.7	-594.6	0.00	0.00	1106.1	
5	4444.1	0.00	0.00	4200.0	-1075.8	-685.8	3.00	180.00	1275.8	SJ 29-7 #102B ICP
6	7710.1	0.00	0.00	7466.0	-1075.8	-685.8	0.00	0.00	1275.8	SJ 29-7 #102B PCP

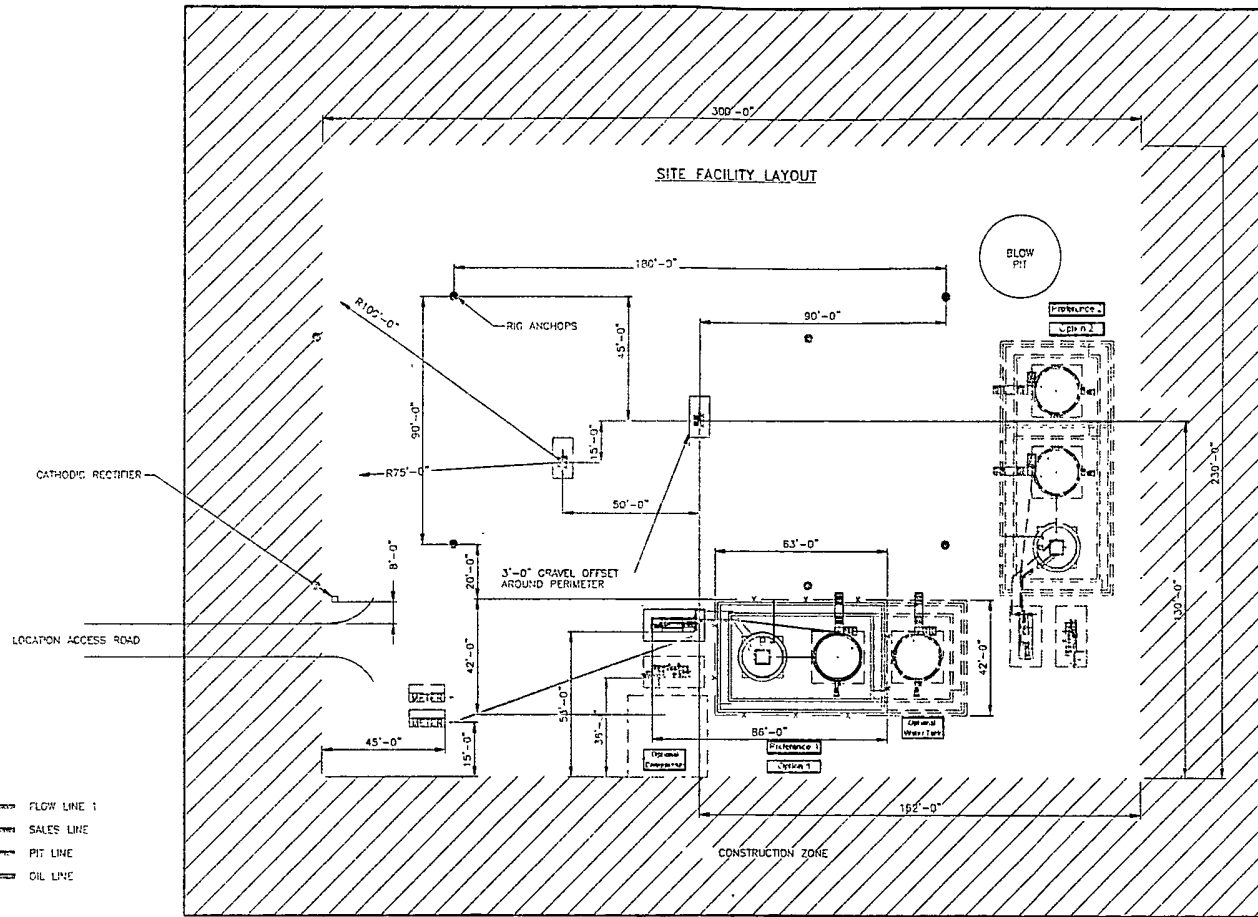


FORMATION TOP DETAILS

VDPPath	MDPath	Formation
15.0	15.0	SAN JOSE
727.0	728.1	NACIMIENTO
2115.0	2208.3	OJO ALAMO
2239.0	2344.4	KIRTLAND
2589.0	2728.5	FRUITLAND
3026.0	3208.2	PICTURED CLIFF
3197.0	3395.8	LEWIS
3770.0	4010.4	HUERFANITO BE
4002.0	4245.7	CHACRA
4760.0	5004.1	MASSIVE CLIFF H
4868.0	5112.1	MENEFEE
5210.0	5454.1	POINT LOOKOUT
5601.0	5845.1	MANCOS
6450.0	6694.1	UPPER GALLUP
7000.0	7404.1	GREENHORN
7214.0	7458.1	GRANEROS
7261.0	7505.1	TWO WELLS
7354.0	7598.1	PAGUATE
7376.0	7620.1	UPPER CUBERO
7397.0	7641.1	LOWER CUBERO
7466.0	7710.1	ENCINAL



SHEET 1 OF 5 11/14/2012 12:26:55 PM, gseeds



- FLOW LINE 1
- SALES LINE
- PIT LINE
- OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN OF 3'-0" TOP

SHEET 1 OF 5

ConocoPhillips

SAN JUAN BUSINESS UNIT

**CONOCOPHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT**

CLIENT NO.	CLIENT APPR.	APPR. DATE
DRAWN BY	SCALE, NONE	CREATION DATE, 6/29/07
END NO.	HP3PHASE-REV1	SHEET NO. 1 OF 5

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT #102B
1610' FNL & 1960' FWL,
Section 15, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 43' 42.905" N
Long: 107° 33' 38.316" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 17.6 miles,
Turn left (northerly) through west entrance of
Hodgson Ranch for 0.2 miles,
to the newly staked location twinned on existing well pad,
SAN JUAN 29-7 UNIT #194 & 102A.