

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 05 2012

FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

5 Lease Serial No

SF-078118A

6 Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1 Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

7 If Unit of CA/Agreement, Name and/or No

8 Well Name and No.

JOHNS 1B

2 Name of Operator

Burlington Resources Oil & Gas Company LP

9 API Well No.

30-045-35253

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No (include area code)

(505) 326-9700

10. Field and Pool or Exploratory Area

BLANCO MV / BASIN DK

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface UNIT G (SW/NE), 1690' FNL & 2205' FEL, SEC: 19, T32N, R11W

Bottomhole UNIT F (SE/NW), 1900' FNL & 1861' FWL, SEC: 19, T32N, R11W

11 Country or Parish, State

San Juan

New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof

If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection)

Burlington Resources request permission to deepen, per APD approval dated 04/07/11, from surface casing depth of 200'(TVD), to 320' (TVD) & deepen intermediate casing from 3401' (TVD) to 5241' (TVD) due to being wet in the Cliffhouse.Cement volumes & casing will be adjusted accordingly. Attached is the revised Project Proposal & Directional Drill Plan. Bottomhole footages will remain the same. Notified and received verbal approval on 04/03/12 from Jim Lovato (BLM) & Brandon Powell (OCD).

RCVD APR 12 '12
OIL CONS. DIV.
DIST. 3

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

Adhere to previously issued stipulations
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Marie E. Jaramillo

Staff Regulatory Tech.

Title

Signature

Date

4/4/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PE

Date

4/5/12

Office

FFO

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNS 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9427				AFE \$: 1,989,935.37	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #: 3004535253
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: 36.973358	Longitude: -108.026976	X:	Y:	Section: 19	Range: 011W		
Footage X: 2205 FEL	Footage Y: 1690 FNL	Elevation: 6582	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole				Datum Code: NAD 27		Directional	
Latitude: 36.972787	Longitude: -108.031033	X:	Y:	Section: 19	Range: 011W		
Footage X: 1861 FWL	Footage Y: 1900 FNL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6597 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6277		☐			12-1/4 hole. 320' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1023	5574		☐			
KIRTLAND	1085	5512		☐			
FRUITLAND	2524	4073		☐			Possible Gas
PICTURED CLIFFS	3186	3411		☐			
LEWIS	3301	3296		☐			
HUERFANITO BENTONITE	3865	2732		☐			
CHACRA	4335	2262		☐			
UPPER CLIFF HOUSE	4756	1841		☐			Gas; Est. Top Perf - 4758 (1839)
MASSIVE CLIFF HOUSE	4991	1606		☐	442		Gas
MENEFEE	5091	1506		☐			
Intermediate Casing	5241	1356		☐		117	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1228 cuft. Circulate cement to surface.
POINT LOOKOUT	5477	1120		☐			
MANCOS	5790	807		☐			
UPPER GALLUP	6877	-280		☐			
GREENHORN	7542	-945		☐			
GRANEROS	7601	-1004		☐			
TWO WELLS	7672	-1075		☐	2444		Gas
PAGUATE	7740	-1143		☐			
LOWER CUBERO	7769	-1172		☐			Est. Btm Perf - 7832 (- 1235) based on offset wells
UPPER CUBERO	7769	-1172		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNS 1B

DEVELOPMENT

ENCINAL	7807	-1210	☐	TD - 40' below T/ENCN
Total Depth	7847	-1250	☐	212 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 346 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Cox Canyon Unit 7C	32N 11W 17 SW NE SW
Production	NM Com 32-11 1C	32N 11W 20 SE NW SW
Production	Hubbard A 1E	32N 11W 30 NW SE NE
Production	Dalsant 1B	32N 12W 24 SE NW 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 Uglp to TD - mudlogger will call TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MV/DKNM032N011W19NW2 Avoid D - Johns 1A (MV/PC) is located there. Prefer a BHL in F, C, E. Topo could be an issue.

Zones - MV/DKNM032N011W19NW2

General/Work Description - 03/09/2012 - DRLG - Scoping and cost estimate revised and includes: 15 day planned, revised construction estimate, possible losses in intrm section, dircl drlg for 8 days, ICP set deeper (APD dircl plan has to high of inc), air drl prod hole. Cost also reflect increased costs and new additional costs around safety and supervision (Onward, rig move WSER's, rig move supervisors, 10/4 WSER's) Recent offset info from: Dalsant 1M, Moore LS 5B, Decker 3M, Hubbard 1B
01/20/2012 Commingle CompositionalDK Sample: yes MV Sample: yes - Dryonis Pertuso
12/2/11 - Low Burro Canyon potential. Will not test Burro Canyon. - DKH
9/21/2011: SJBT owns 56.8039% WI. BR + COP own 31.0843% WI.
5/18/11 SIMOPS Plan: Completions will plan and conduct completion operations / frac rigup - rig down SIMOPS based on planned activities and actual circumstances. Virgilz.. Will get plat of 'post drilling' location showing potential real estate available for facilities and completion operations. Completions will then be asked if they can conduct their work (including fracs) with facilities present. SIMOPS will be planned and executed based on the review.-MP
NO LEWIS
10/6/09 - Economic as directional (total cap \$1888M), ROR 23.9% & NPV \$142M.--TLJ
09/8/2010.-Drilling Cost Estimate: Base Line of \$119.76 /ft for long step out well. No expecting losses in Fruitland Coal. Intermediate casing set at 3401 ft TVD ft into Lewis & 4 1/2" 11.6#/ft L-80 LTC will be run as production string. Two stages cementing job. Existing a well on pad New Mexico 32-11 Com 2C at 351 ft, added \$10K for stripping surface equipment on location. Estimated 12 days. Cost changed to \$ 111.76/ft. JC.

09/08/2010 No Drilling H2S contingency required

ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

Other Named Wells

Johns #1B

Original Hole

Plan: Plan #1

Standard Planning Report

03 April, 2012

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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	Other Named Wells				
Site Position:		Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
From:	Lat/Long	Easting:	504,691.02 ft	Longitude:	107° 49' 2.415 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.01 °

Well	Johns #1B: Directional S Curve Long Stepout					
Well Position	+N/-S	0.0 ft	Northing:	2,173,628.11 ft	Latitude:	36° 58' 24.091 N
	+E/-W	0.0 ft	Easting:	443,433.61 ft	Longitude:	108° 1' 37.114 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,582.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	8/10/2010	10.13	63.67	50,968

Design	Plan #1				
Audit Notes:					
Version:	1	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	260.04	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,848.6	24.97	260.04	2,809.4	-46.3	-263.8	2.00	2.00	0.00	260.04	
4,641.5	24.97	260.04	4,434.7	-177.2	-1,009.3	0.00	0.00	0.00	0.00	
5,473.9	0.00	0.00	5,241.0	-208.1	-1,185.1	3.00	-3.00	0.00	180.00	Johns #1B ICP
8,079.9	0.00	0.00	7,847.0	-208.1	-1,185.1	0.00	0.00	0.00	0.00	Johns #1B PCP

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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
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
SCP									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,023.0	0.00	0.00	1,023.0	0.0	0.0	0.0	0.00	0.00	0.00
Ojo Alamo									
1,085.0	0.00	0.00	1,085.0	0.0	0.0	0.0	0.00	0.00	0.00
Kirtland									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	2.00	260.04	1,700.0	-0.3	-1.7	1.7	2.00	2.00	0.00
1,800.0	4.00	260.04	1,799.8	-1.2	-6.9	7.0	2.00	2.00	0.00
1,900.0	6.00	260.04	1,899.5	-2.7	-15.5	15.7	2.00	2.00	0.00
2,000.0	8.00	260.04	1,998.7	-4.8	-27.5	27.9	2.00	2.00	0.00
2,100.0	10.00	260.04	2,097.5	-7.5	-42.9	43.5	2.00	2.00	0.00
2,200.0	12.00	260.04	2,195.6	-10.8	-61.7	62.6	2.00	2.00	0.00
2,300.0	14.00	260.04	2,293.1	-14.7	-83.8	85.1	2.00	2.00	0.00
2,400.0	16.00	260.04	2,389.6	-19.2	-109.3	111.0	2.00	2.00	0.00
2,500.0	18.00	260.04	2,485.3	-24.3	-138.1	140.2	2.00	2.00	0.00
2,540.8	18.82	260.04	2,524.0	-26.5	-150.8	153.1	2.00	2.00	0.00
Fruitland Coal									
2,600.0	20.00	260.04	2,579.8	-29.9	-170.2	172.8	2.00	2.00	0.00
2,700.0	22.00	260.04	2,673.2	-36.1	-205.5	208.6	2.00	2.00	0.00
2,800.0	24.00	260.04	2,765.2	-42.8	-243.9	247.7	2.00	2.00	0.00
2,848.6	24.97	260.04	2,809.4	-46.3	-263.8	267.8	2.00	2.00	0.00
2,900.0	24.97	260.04	2,856.0	-50.1	-285.2	289.5	0.00	0.00	0.00
3,000.0	24.97	260.04	2,946.7	-57.4	-326.7	331.7	0.00	0.00	0.00
3,100.0	24.97	260.04	3,037.3	-64.7	-368.3	374.0	0.00	0.00	0.00
3,200.0	24.97	260.04	3,128.0	-72.0	-409.9	416.2	0.00	0.00	0.00
3,264.0	24.97	260.04	3,186.0	-76.7	-436.5	443.2	0.00	0.00	0.00
Pictured Cliffs									
3,300.0	24.97	260.04	3,218.6	-79.3	-451.5	458.4	0.00	0.00	0.00
3,390.8	24.97	260.04	3,301.0	-85.9	-489.3	496.7	0.00	0.00	0.00
Lewis									
3,400.0	24.97	260.04	3,309.3	-86.6	-493.1	500.6	0.00	0.00	0.00
3,500.0	24.97	260.04	3,399.9	-93.9	-534.6	542.8	0.00	0.00	0.00
3,600.0	24.97	260.04	3,490.6	-101.2	-576.2	585.0	0.00	0.00	0.00
3,700.0	24.97	260.04	3,581.3	-108.5	-617.8	627.3	0.00	0.00	0.00
3,800.0	24.97	260.04	3,671.9	-115.8	-659.4	669.5	0.00	0.00	0.00
3,900.0	24.97	260.04	3,762.6	-123.1	-701.0	711.7	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)	
4,000.0	24.97	260.04	3,853.2	-130.4	-742.5	753.9	0.00	0.00	0.00	
4,013.0	24.97	260.04	3,865.0	-131.3	-748.0	759.4	0.00	0.00	0.00	
Huerfano Bentonite										
4,100.0	24.97	260.04	3,943.9	-137.7	-784.1	796.1	0.00	0.00	0.00	
4,200.0	24.97	260.04	4,034.5	-145.0	-825.7	838.3	0.00	0.00	0.00	
4,300.0	24.97	260.04	4,125.2	-152.3	-867.3	880.6	0.00	0.00	0.00	
4,400.0	24.97	260.04	4,215.8	-159.6	-908.9	922.8	0.00	0.00	0.00	
4,500.0	24.97	260.04	4,306.5	-166.9	-950.5	965.0	0.00	0.00	0.00	
4,531.5	24.97	260.04	4,335.0	-169.2	-963.5	978.3	0.00	0.00	0.00	
Chacra										
4,600.0	24.97	260.04	4,397.1	-174.2	-992.0	1,007.2	0.00	0.00	0.00	
4,641.5	24.97	260.04	4,434.7	-177.2	-1,009.3	1,024.7	0.00	0.00	0.00	
4,700.0	23.22	260.04	4,488.1	-181.4	-1,032.8	1,048.6	3.00	-3.00	0.00	
4,800.0	20.22	260.04	4,581.0	-187.8	-1,069.2	1,085.6	3.00	-3.00	0.00	
4,900.0	17.22	260.04	4,675.7	-193.3	-1,100.8	1,117.7	3.00	-3.00	0.00	
4,983.5	14.71	260.04	4,756.0	-197.3	-1,123.5	1,140.7	3.00	-3.00	0.00	
Upper Cliff House										
5,000.0	14.22	260.04	4,772.0	-198.0	-1,127.5	1,144.8	3.00	-3.00	0.00	
5,100.0	11.22	260.04	4,869.5	-201.8	-1,149.2	1,166.8	3.00	-3.00	0.00	
5,200.0	8.22	260.04	4,968.1	-204.7	-1,165.8	1,183.7	3.00	-3.00	0.00	
5,223.1	7.52	260.04	4,991.0	-205.3	-1,168.9	1,186.8	3.00	-3.00	0.00	
Massive Cliff House										
5,300.0	5.22	260.04	5,067.4	-206.7	-1,177.3	1,195.4	3.00	-3.00	0.00	
5,323.7	4.50	260.04	5,091.0	-207.1	-1,179.3	1,197.4	3.00	-3.00	0.00	
Menefee										
5,400.0	2.22	260.04	5,167.2	-207.9	-1,183.7	1,201.8	3.00	-3.00	0.00	
5,473.9	0.00	0.00	5,241.0	-208.1	-1,185.1	1,203.3	3.00	-3.00	0.00	
ICP - Johns #1B ICP										
5,500.0	0.00	0.00	5,267.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,367.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,467.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,709.9	0.00	0.00	5,477.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Point Lookout										
5,800.0	0.00	0.00	5,567.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,667.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,767.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,022.9	0.00	0.00	5,790.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Mancos										
6,100.0	0.00	0.00	5,867.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,967.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,067.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,167.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,267.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,367.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,467.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,567.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,667.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,767.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,867.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,109.9	0.00	0.00	6,877.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Upper Gallup										
7,200.0	0.00	0.00	6,967.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)
7,300.0	0.00	0.00	7,067.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,167.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,267.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,367.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,467.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,774.9	0.00	0.00	7,542.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Greenhorn									
7,800.0	0.00	0.00	7,567.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,833.9	0.00	0.00	7,601.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Graneros									
7,900.0	0.00	0.00	7,667.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
7,904.9	0.00	0.00	7,672.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Two Wells									
7,972.9	0.00	0.00	7,740.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Paguate									
8,000.0	0.00	0.00	7,767.1	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
8,001.9	0.00	0.00	7,769.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Upper Cubero - Lower Cubero									
8,039.9	0.00	0.00	7,807.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
Encinal									
8,079.9	0.00	0.00	7,847.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00
PCP - Johns #1B PCP									

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Johns #1B PCP - plan hits target center - Circle (radius 50.0)	0.00	0.00	7,847.0	-208.1	-1,185.1	2,173,422.44	442,248.18	36° 58' 22.033 N	108° 1' 51.718 W
Johns #1B ICP - plan hits target center - Circle (radius 50.0)	0.00	0.00	5,241.0	-208.1	-1,185.1	2,173,422.42	442,248.15	36° 58' 22.033 N	108° 1' 51.718 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
320.0	320.0	SCP	9-5/8	12-1/4	
5,473.9	5,241.0	ICP	7	8-3/4	
8,079.9	7,847.0	PCP	4-1/2	6-1/4	

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	8,039.9	7,807.0	Encinal		0.00	
	8,001.9	7,769.0	Lower Cubero		0.00	
	7,109.9	6,877.0	Upper Gallup		0.00	
	5,323.7	5,091.0	Menefee		0.00	
	7,972.9	7,740.0	Paguate		0.00	
	4,013.0	3,865.0	Huerfanto Bentonite		0.00	
	5,223.1	4,991.0	Massive Cliff House		0.00	
	7,904.9	7,672.0	Two Wells		0.00	
	7,774.9	7,542.0	Greenhorn		0.00	
	6,022.9	5,790.0	Mancos		0.00	
	3,264.0	3,186.0	Pictured Cliffs		0.00	
	7,833.9	7,601.0	Graneros		0.00	
	4,531.5	4,335.0	Chacra		0.00	
	1,085.0	1,085.0	Kirtland		0.00	
	2,540.8	2,524.0	Fruitland Coal		0.00	
	3,390.8	3,301.0	Lewis		0.00	
	5,709.9	5,477.0	Point Lookout		0.00	
	1,023.0	1,023.0	Ojo Alamo		0.00	
	4,983.5	4,756.0	Upper Cliff House		0.00	
	8,001.9	7,769.0	Upper Cubero		0.00	