

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 31 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number USA NM-029146 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 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 9. Well Number 24P	
4. Location of Well Surface: Unit F (SENW), 2297' FNL & 1644' FWL Bottomhole: Unit K (NESW), 1630' FSL & 1840' FWL Surface: Latitude: 36.68327° N (NAD83) Longitude: 107.79041° W Bottomhole: Latitude: 36.67989° N (NAD83) Longitude: 107.78993° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T29N, R9W API # 30-045- 35233	
14. Distance in Miles from Nearest Town 16 Miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 996'	17. Acres Assigned to Well 320 Acres-W/2	
16. Acres in Lease 626.1		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 23S (FC)		
19. Proposed Depth 7006'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6073' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	1-28-11 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/11/11

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". MAR 30 2011

Bond Numbers NMB-000015 and NMB-000089

NMOC

for Directional Survey
and "As Drilled" plat

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

Hold C104
for Directional Survey
and "As Drilled" plat
A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

DISTRICT II
1301 W. 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

Form C-102
Revised October 12, 2005

RECEIVED

JAN 31 2011

OIL CONSERVATION DIVISION

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-35233	'Pool Code 72319/71599	'Pool Name BLANCO MESAVERDE / BASIN DAKOTA
'Property Code 7451	'Property Name SAN JUAN	'Well Number 24 P
'OGRD No. 14538	'Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	'Elevation 6073'

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	33	29N	9W		2297'	NORTH	1644'	WEST	SAN JUAN

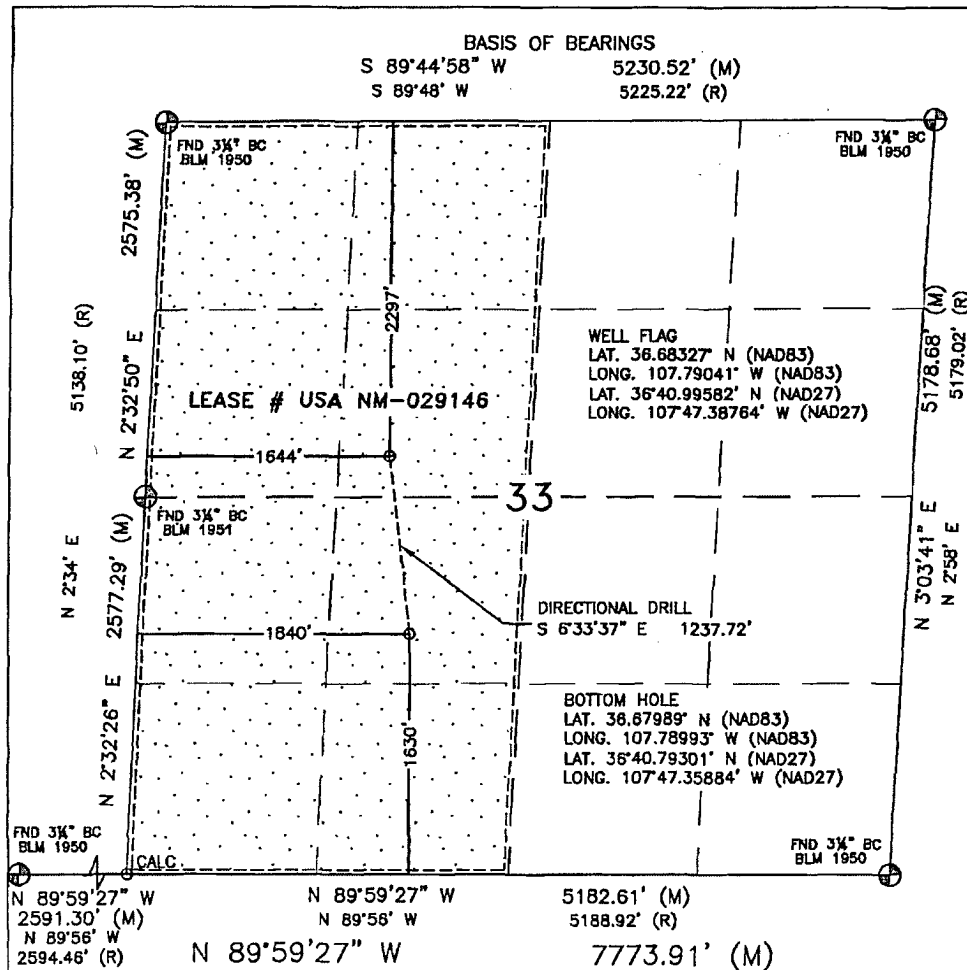
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	33	29N	9W		1630'	SOUTH	1840'	WEST	SAN JUAN

¹² Dedicated Acres 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

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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 or a compulsory pooling order heretofore entered by the division.

Brandie Blakley 1-22-11
Signature Date

Brandie Blakley 1/22/11
Printed Name

¹⁸ SURVEYOR CERTIFICATION

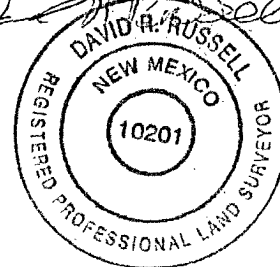
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 9, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 24P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9414				AFE \$: 947,943.82	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN		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: 36.683264		Longitude: -107.789794		X:	Y:	Section: 33	Range: 009W
Footage X: 1644 FWL		Footage Y: 2297 FNL		Elevation: 6073	(FT)	Township: 029N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.679884		Longitude: -107.789314		X:	Y:	Section: 33	Range: 009W
Footage X: 1840 FWL		Footage Y: 1630 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 = 6088 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	5858		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1305	4783		☐			
KIRTLAND	1459	4629		☐			
FRUITLAND	1921	4167		☐			Possible Gas
PICTURED CLIFFS	2430	3658		☐			
LEWIS	2572	3516		☐			
CHACRA	3372	2716		☐			
UPPER CLIFF HOUSE	4008	2080		☐			Gas; Est. Top Perf - 4010 (2078)
MASSIVE CLIFF HOUSE	4097	1991		☐	496		Gas; Cliffhouse is wet
MENEFEE	4118	1970		☐			
Intermediate Casing	4268	1820		☐		105	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1012 cuft. Circulate cement to surface.
POINT LOOKOUT	4712	1376		☐			
MANCOS	5058	1030		☐			
UPPER GALLUP	5883	205		☐			
GREENHORN	6655	-567		☐			
GRANEROS	6717	-629		☐			
TWO WELLS	6782	-694		☐	2242		Gas
PAGUATE	6840	-752		☐			
UPPER CUBERO	6879	-791		☐			
LOWER CUBERO	6890	-802		☐			Est. Btm Perf - 6986 (- 898) based on offset wells
ENCINAL	6966	-878		☐			TD - 40' below T/ENCN

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 24P

DEVELOPMENT

Total Depth 7006 -918 ☐ 188 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 377 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Jackson 2A	29N 9W 33 NE SW SE
Production	San Juan 24E	29N 9W 33 SW NE NW
Production	San Juan 24	29N 9W 33 NE NW SW
Production	Jackson 2E	29N 9W 33 SE NW NE

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 GLLP to TD - mudlogger will call TD.

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

REFERENCE INFORMATION

RKB @ 6088.0ft (AWS RIGS)
Ground Elevation 6073.0
Reference Lat: 36° 40' 59.749 N
Reference Long: 107° 47' 23.258 W

Project: San Juan Basin - New Mexico West V
Site: Other Named Wells
Well: San Juan #24P
Wellbore: Principal Wellbore
Design: Plan #1

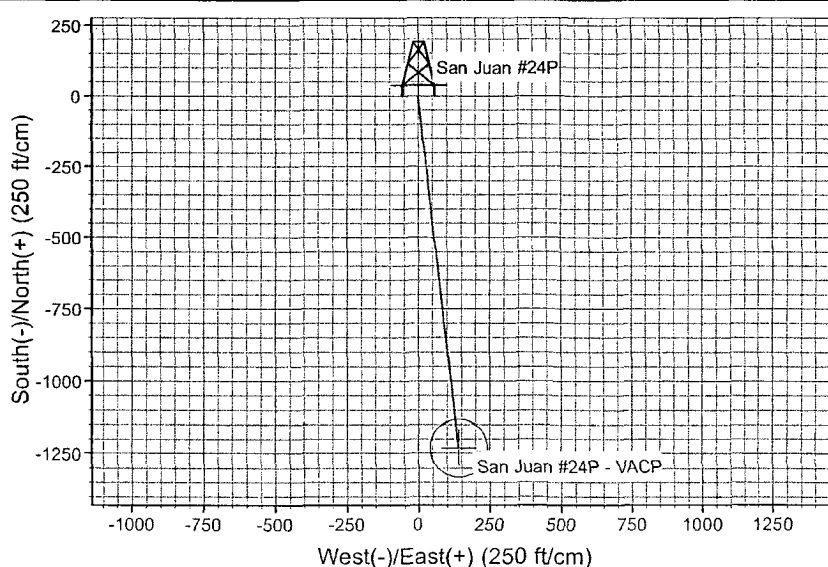
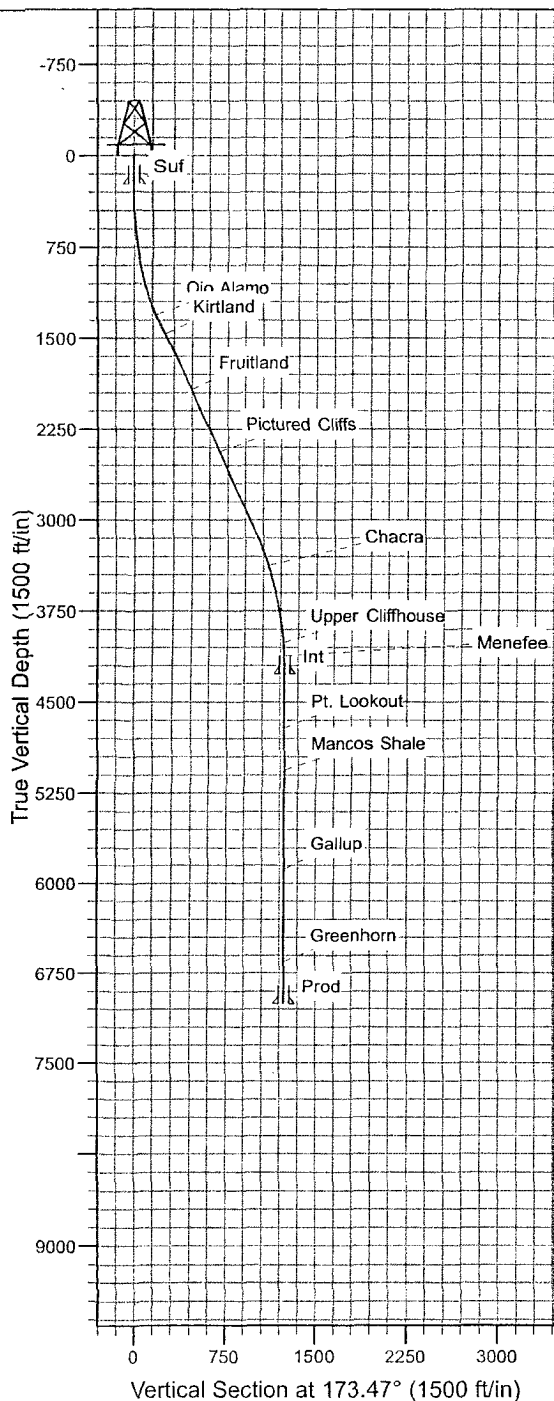
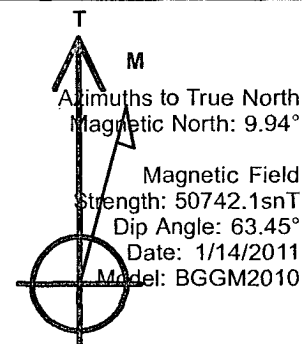


SECTION DETAILS

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1554.6	24.69	173.47	1516.7	-260.2	29.8	2.00	173.47	261.9	
4	3265.6	24.69	173.47	3071.3	-970.3	111.0	0.00	0.00	976.7	
5	4500.2	0.00	0.00	4268.0	-1230.6	140.8	2.00	180.00	1238.6	San Juan #24P - ICP
6	7238.2	0.00	0.00	7006.0	-1230.6	140.8	0.00	0.00	1238.6	San Juan #24P - PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1305.0	1325.5	Ojo Alamo
1459.0	1491.4	Kirtland
1921.0	1999.5	Fruitland
2430.0	2559.8	Pictured Cliffs
2572.0	2716.1	Lewis
3372.0	3588.9	Chacra
4008.0	4239.8	Upper Cliffhouse
4097.0	4329.1	Massive Cliff House
4118.0	4350.1	Menefee
4712.0	4944.2	Pt. Lookout
5058.0	5290.2	Mancos Shale
5883.0	6115.2	Gallup
6655.0	6887.2	Greenhorn
6717.0	6949.2	Graneros
6782.0	7014.2	Two Wells
6840.0	7072.2	Paguate
6879.0	7111.2	Upper Cubero
6890.0	7122.2	Lower Cubero
6966.0	7198.2	Encinal
7006.0	7238.2	Total Depth



ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well San Juan #24P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6088.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6088.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	San Juan #24P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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:	Other Named Wells				
Site Position:		Northing:	2,108,178.26 ft	Latitude:	36° 47' 33.793 N
From:	Lat/Long	Easting:	643,887.63 ft	Longitude:	107° 20' 30.932 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.29 °

Well:	San Juan #24P, Directional "S" Curve Long, No Lewis					
Well Position	+N-S	0.0 ft	Northing:	2,067,964.55 ft	Latitude:	36° 40' 59.749 N
	+E-W	0.0 ft	Easting:	512,766.72 ft	Longitude:	107° 47' 23.258 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,073.0 ft

Wellbore:	Principal Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	1/14/2011	9.94	63.45	50,742

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	173.47	

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	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,554.6	24.69	173.47	1,516.7	-260.2	29.8	2.00	2.00	0.00	173.47	
3,265.6	24.69	173.47	3,071.3	-970.3	111.0	0.00	0.00	0.00	0.00	
4,500.2	0.00	0.00	4,268.0	-1,230.6	140.8	2.00	-2.00	0.00	180.00	San Juan #24P - ICP
7,238.2	0.00	0.00	7,006.0	-1,230.6	140.8	0.00	0.00	0.00	0.00	San Juan #24P - PCF

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well San Juan #24P
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6088.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6088.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	San Juan #24P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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
Surf									
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	1.60	173.47	400.0	-1.1	0.1	1.1	2.00	2.00	0.00
500.0	3.60	173.47	499.9	-5.6	0.6	5.7	2.00	2.00	0.00
600.0	5.60	173.47	599.6	-13.6	1.6	13.7	2.00	2.00	0.00
700.0	7.60	173.47	698.9	-25.0	2.9	25.2	2.00	2.00	0.00
800.0	9.60	173.47	797.8	-39.9	4.6	40.1	2.00	2.00	0.00
900.0	11.60	173.47	896.0	-58.1	6.6	58.5	2.00	2.00	0.00
1,000.0	13.60	173.47	993.6	-79.8	9.1	80.3	2.00	2.00	0.00
1,100.0	15.60	173.47	1,090.4	-104.8	12.0	105.5	2.00	2.00	0.00
1,200.0	17.60	173.47	1,186.2	-133.2	15.2	134.1	2.00	2.00	0.00
1,300.0	19.60	173.47	1,281.0	-164.9	18.9	166.0	2.00	2.00	0.00
1,325.5	20.11	173.47	1,305.0	-173.5	19.9	174.7	2.00	2.00	0.00
Ojo Alamo									
1,400.0	21.60	173.47	1,374.6	-199.9	22.9	201.2	2.00	2.00	0.00
1,491.4	23.43	173.47	1,459.0	-234.6	26.8	236.2	2.00	2.00	0.00
Kirtland									
1,500.0	23.60	173.47	1,466.9	-238.1	27.2	239.6	2.00	2.00	0.00
1,554.6	24.69	173.47	1,516.7	-260.2	29.8	261.9	2.00	2.00	0.00
1,600.0	24.69	173.47	1,558.0	-279.1	31.9	280.9	0.00	0.00	0.00
1,700.0	24.69	173.47	1,648.8	-320.6	36.7	322.7	0.00	0.00	0.00
1,800.0	24.69	173.47	1,739.7	-362.1	41.4	364.4	0.00	0.00	0.00
1,900.0	24.69	173.47	1,830.6	-403.6	46.2	406.2	0.00	0.00	0.00
1,999.5	24.69	173.47	1,921.0	-444.9	50.9	447.8	0.00	0.00	0.00
Fruitland									
2,000.0	24.69	173.47	1,921.4	-445.1	50.9	448.0	0.00	0.00	0.00
2,100.0	24.69	173.47	2,012.3	-486.6	55.7	489.8	0.00	0.00	0.00
2,200.0	24.69	173.47	2,103.1	-528.1	60.4	531.5	0.00	0.00	0.00
2,300.0	24.69	173.47	2,194.0	-569.6	65.2	573.3	0.00	0.00	0.00
2,400.0	24.69	173.47	2,284.8	-611.1	69.9	615.1	0.00	0.00	0.00
2,500.0	24.69	173.47	2,375.7	-652.6	74.7	656.9	0.00	0.00	0.00
2,559.8	24.69	173.47	2,430.0	-677.4	77.5	681.8	0.00	0.00	0.00
Pictured Cliffs									
2,600.0	24.69	173.47	2,466.6	-694.1	79.4	698.6	0.00	0.00	0.00
2,610.6	24.69	173.47	2,476.2	-698.5	79.9	703.1	0.00	0.00	0.00
San Juan #24P - VACP									
2,700.0	24.69	173.47	2,557.4	-735.6	84.1	740.4	0.00	0.00	0.00
2,716.1	24.69	173.47	2,572.0	-742.3	84.9	747.1	0.00	0.00	0.00
Lewis									
2,800.0	24.69	173.47	2,648.3	-777.1	88.9	782.2	0.00	0.00	0.00
2,900.0	24.69	173.47	2,739.1	-818.6	93.6	823.9	0.00	0.00	0.00
3,000.0	24.69	173.47	2,830.0	-860.1	98.4	865.7	0.00	0.00	0.00
3,100.0	24.69	173.47	2,920.8	-901.6	103.1	907.5	0.00	0.00	0.00
3,200.0	24.69	173.47	3,011.7	-943.1	107.9	949.3	0.00	0.00	0.00
3,265.6	24.69	173.47	3,071.3	-970.3	111.0	976.7	0.00	0.00	0.00
3,300.0	24.00	173.47	3,102.6	-984.4	112.6	990.8	2.00	-2.00	0.00
3,400.0	22.00	173.47	3,194.7	-1,023.3	117.1	1,029.9	2.00	-2.00	0.00
3,500.0	20.00	173.47	3,288.0	-1,058.9	121.1	1,065.8	2.00	-2.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: San Juan #24P
 Wellbore: Principal Wellbore
 Design: Plan #1

Local Co-ordinate Reference: Well San Juan #24P
 TVD Reference: RKB @ 6088.0ft (AWS RIGS)
 MD Reference: RKB @ 6088.0ft (AWS RIGS)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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)
3,588.9	18.23	173.47	3,372.0	-1,087.8	124.4	1,094.9	2.00	-2.00	0.00
Chacra									
3,600.0	18.00	173.47	3,382.6	-1,091.2	124.8	1,098.3	2.00	-2.00	0.00
3,700.0	16.00	173.47	3,478.2	-1,120.3	128.1	1,127.6	2.00	-2.00	0.00
3,800.0	14.00	173.47	3,574.8	-1,146.0	131.1	1,153.5	2.00	-2.00	0.00
3,900.0	12.00	173.47	3,672.2	-1,168.3	133.6	1,175.9	2.00	-2.00	0.00
4,000.0	10.00	173.47	3,770.4	-1,187.3	135.8	1,195.0	2.00	-2.00	0.00
4,100.0	8.00	173.47	3,869.1	-1,202.8	137.6	1,210.7	2.00	-2.00	0.00
4,200.0	6.00	173.47	3,968.4	-1,215.0	139.0	1,222.9	2.00	-2.00	0.00
4,239.8	5.21	173.47	4,008.0	-1,218.8	139.4	1,226.8	2.00	-2.00	0.00
Upper Cliffhouse									
4,300.0	4.00	173.47	4,068.0	-1,223.6	140.0	1,231.6	2.00	-2.00	0.00
4,329.1	3.42	173.47	4,097.0	-1,225.5	140.2	1,233.5	2.00	-2.00	0.00
Massive Cliff House									
4,350.1	3.00	173.47	4,118.0	-1,226.7	140.3	1,234.7	2.00	-2.00	0.00
Menefee									
4,400.0	2.00	173.47	4,167.9	-1,228.8	140.6	1,236.8	2.00	-2.00	0.00
4,500.2	0.00	0.00	4,268.0	-1,230.6	140.8	1,238.6	2.00	-2.00	0.00
Int - San Juan #24P - ICP									
4,600.0	0.00	0.00	4,367.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,467.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,567.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,667.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
4,944.2	0.00	0.00	4,712.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Pt. Lookout									
5,000.0	0.00	0.00	4,767.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,100.0	0.00	0.00	4,867.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,200.0	0.00	0.00	4,967.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,290.2	0.00	0.00	5,058.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Mancos Shale									
5,300.0	0.00	0.00	5,067.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,167.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,267.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,367.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,467.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,567.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,667.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,767.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,100.0	0.00	0.00	5,867.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,115.2	0.00	0.00	5,883.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Gallup									
6,200.0	0.00	0.00	5,967.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,067.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,167.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,267.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,367.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,467.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,567.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,887.2	0.00	0.00	6,655.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Greenhorn									
6,900.0	0.00	0.00	6,667.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
6,949.2	0.00	0.00	6,717.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well San Juan #24P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6088.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6088.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	San Juan #24P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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)
Graneros									
7,000.0	0.00	0.00	6,767.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
7,014.2	0.00	0.00	6,782.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Two Wells									
7,072.2	0.00	0.00	6,840.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Paguate									
7,100.0	0.00	0.00	6,867.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
7,111.2	0.00	0.00	6,879.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Upper Cubero									
7,122.2	0.00	0.00	6,890.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Lower Cubero									
7,198.2	0.00	0.00	6,966.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Encinal									
7,200.0	0.00	0.00	6,967.8	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
7,238.2	0.00	0.00	7,006.0	-1,230.6	140.8	1,238.6	0.00	0.00	0.00
Total Depth - Prod - San Juan #24P - PCP									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
San Juan #24P - PCP	0.00	0.00	7,006.0	-1,230.6	140.8	2,066,734.15	512,908.03	36° 40' 47.581 N	107° 47' 21.530 W
- plan hits target center									
- Circle (radius 100.0)									
San Juan #24P - ICP	0.00	0.00	4,268.0	-1,230.6	140.8	2,066,734.15	512,908.03	36° 40' 47.581 N	107° 47' 21.530 W
- plan hits target center									
- Circle (radius 100.0)									
San Juan #24P - VACP	0.00	0.00	2,230.0	-1,230.6	140.8	2,066,734.15	512,908.03	36° 40' 47.581 N	107° 47' 21.530 W
- plan misses target center by 589.4ft at 2610.6ft MD (2476.2 TVD, -698.5 N, 79.9 E)									
- Circle (radius 100.0)									

Casing Points

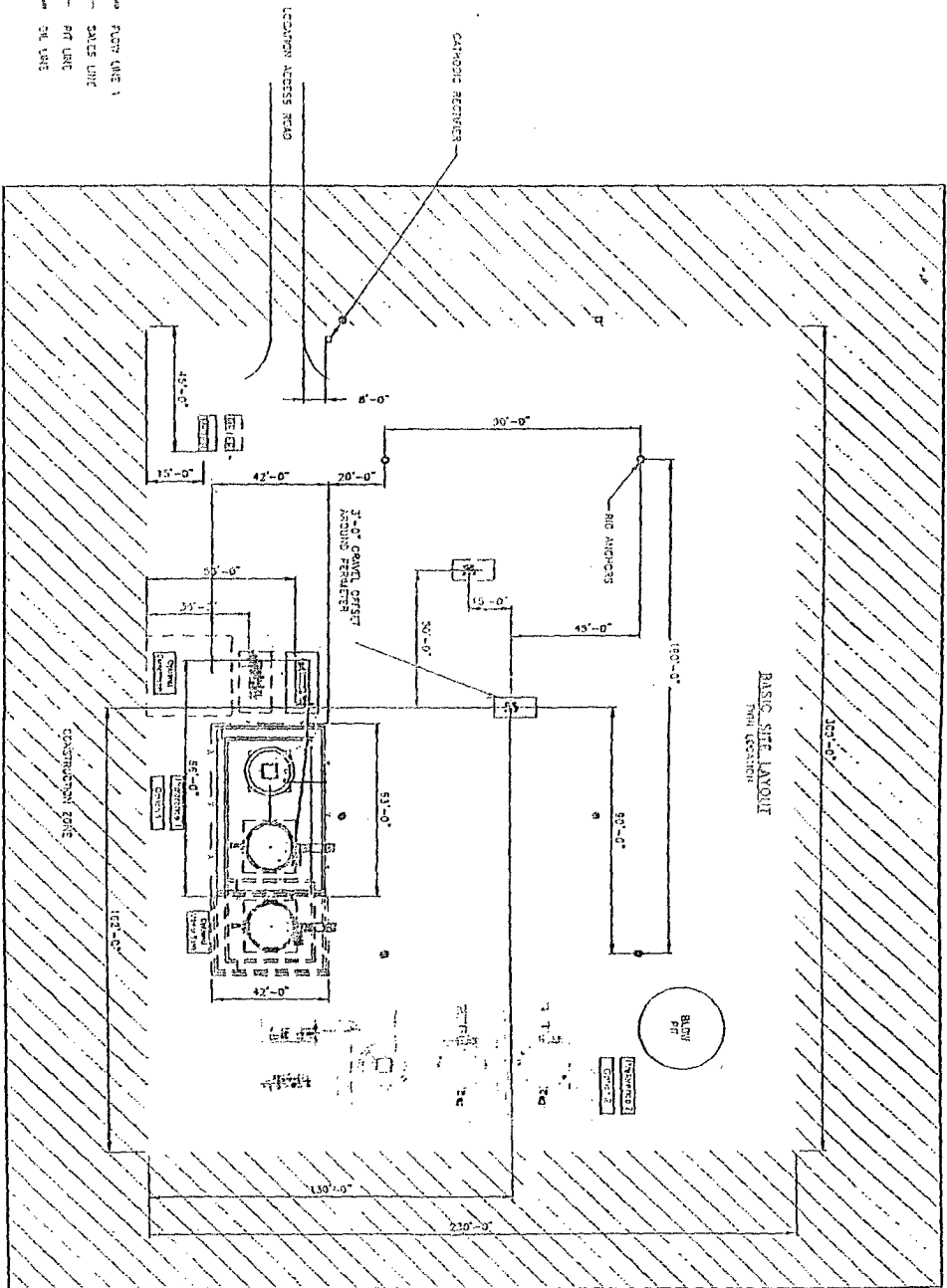
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
230.0	230.0	Suf	9-5/8	12-1/4
4,500.2	4,268.0	Int	7	8-3/4
7,238.2	7,006.0	Prod	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well San Juan #24P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6088.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6088.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	San Juan #24P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,887.2	6,655.0	Greenhorn		0.00		
7,111.2	6,879.0	Upper Cubero		0.00		
3,588.9	3,372.0	Chacra		0.00		
1,491.4	1,459.0	Kirtland		0.00		
1,999.5	1,921.0	Fruitland		0.00		
7,198.2	6,966.0	Encinal		0.00		
7,072.2	6,840.0	Paguate		0.00		
7,238.2	7,006.0	Total Depth		0.00		
5,290.2	5,058.0	Mancos Shale		0.00		
4,350.1	4,118.0	Menefee		0.00		
2,716.1	2,572.0	Lewis		0.00		
6,115.2	5,883.0	Gallup		0.00		
4,329.1	4,097.0	Massive Cliff House		0.00		
6,949.2	6,717.0	Graneros		0.00		
7,014.2	6,782.0	Two Wells		0.00		
4,944.2	4,712.0	Pt. Lookout		0.00		
1,325.5	1,305.0	Ojo Alamo		0.00		
2,559.8	2,430.0	Pictured Cliffs		0.00		
4,239.8	4,008.0	Upper Cliffhouse		0.00		
7,122.2	6,890.0	Lower Cubero		0.00		



FLOW LINE 1
 SALES UNIT
 PIT LINE
 5th LINE

SHEET 1 OF 2
 SHEET 2 OF 2
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 SHEET 100 OF 2

BASIC SITE LAYOUT

FROM LOCATION

ConocoPhillips

SAN JUAN BUSINESS UNIT

CONOCOPhillips
HIGH PRESSURE 3 PHASE
FACILITY EXPANSION - SITE LAYOUT

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN #24 P
2297' FNL & 1644' FWL
LOCATED IN THE SE/4 NW/4 OF SECTION 33,
T29N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLOOMFIELD, TRAVEL TO INTERSECTION OF HWY 64 & HWY 550.
- 2) TRAVEL SOUTH ON HWY 550 1.0 MILE TO CR 4990.
- 3) TURN LEFT AND TRAVEL CR 4990 9.6 MILES TO END OF PAVEMENT.
- 4) CONTINUE TO TRAVEL ON CR 4990 4.1 MILES.
- 5) TURN RIGHT AND TRAVEL ON DIRT ROAD 1.1 MILES TO WELL FLAG ON EXISTING LOCATION.

WELL FLAG LOCATED AT LAT. 36.68327° N, LONG. 107.79041° W (NAD 83).

