

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 05 2011

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD JUN 10 11
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	5. Lease Number NM-0607	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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Atlantic C	9. Well Number 2C
4. Location of Well Surface: Unit B (NWNE), 1217' FNL & 1853' FEL Unit H (SENE), 1545' FNL & 710' FEL Surface: Latitude: 36.85904° N (NAD83) Longitude: 107.85015° W Latitude: 36.85813° N (NAD83) Longitude: 107.84618° W		10. Field, Pool, Wildcat Blanco Mesaverde	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T31N, R10W API # 30-045-35270
14. Distance in Miles from Nearest Town 17 miles from Aztec, NM		12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		17. Acres Assigned to Well 320.00 acres - E/2	
16. Acres in Lease 1277.260 acres			
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' - Atlantic C 2 (MV)		20. Rotary or Cable Tools Rotary	
19. Proposed Depth 5805'			
21. Elevations (DF, FT, GR, Etc.) 6408' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)		<u>April 5, 2011</u> Date	

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 6/7/11

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

JUN 22 2011

AV NMOCD

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

PC

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

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

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

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35270	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 6804	⁵ Property Name ATLANTIC C	⁶ Well Number 2 C
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6408'

¹⁰ Surface Location

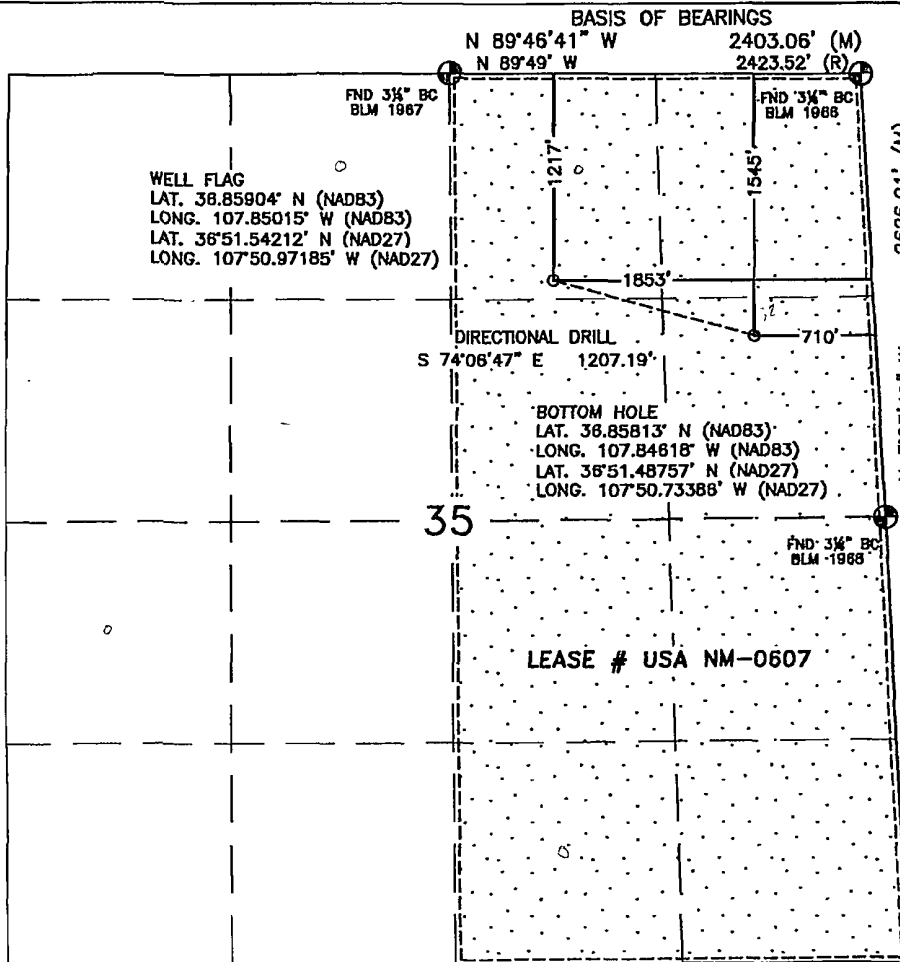
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	35	31N	10W		1217'	NORTH	1853'	EAST	SAN JUAN

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
H	35	31N	10W		1545'	NORTH	710'	EAST	SAN JUAN

¹² Dedicated Acres 320.00 ACRES - E/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 or a compulsory pooling order heretofore entered by the division.

Dollie L. Busse 4/5/11
Signature Date

Dollie L. Busse
Printed Name

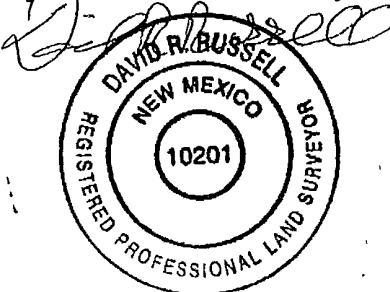
¹⁸ SURVEYOR CERTIFICATION

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.

JUNE 7, 2010

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC C 2C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9301				AFE \$: 816,754.60	
Field Name: SAN JUAN		Rig: Aztec Rig 920		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface							
Datum: Code: NAD 27		Directional					
Latitude: 36.859036	Longitude: -107.849531	X:	Y:	Section: 35		Range: 010W	
Footage X: 1853 FEL	Footage Y: 1217 FNL	Elevation: 6408	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole							
Datum: Code: NAD 27		Directional					
Latitude: 36.858126	Longitude: -107.845561	X:	Y:	Section: 35		Range: 010W	
Footage X: 710 FEL	Footage Y: 1545 FNL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6423 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6193		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	375	6048		☐			
OJO ALAMO	1777	4646		☐			
KIRTLAND	1891	4532		☐			
FRUITLAND	2637	3786		☐			Possible Gas
PICTURED CLIFFS	3156	3267		☐	811		
LEWIS	3329	3094		☐			
Intermediate Casing	3429	2994		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 833 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3871	2552		☐			
CHACRA	4211	2212		☐			
MASSIVE CLIFF HOUSE	4913	1510		☐	208		Gas
MENEFEE	4998	1425		☐			
POINT LOOKOUT	5359	1064		☐			Bottom perf at least 100' above TD.
MANCOS	5705	718		☐			
Total Depth	5805	618		☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80/LTC casing. Cement w/ 329 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							
Reference Type	Well Name		Comments				
Production	ATLANTIC-1		31N 10W 36 SE NW SW				
Production	ATLANTIC-C-2-A		31N 10W 35 NE SW SE				
Production	ATLANTIC-C-1-A		31N 10W 35 SW NE NW				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC C 2C

DEVELOPMENT

Production	ATLANTIC-A-5-A	31N 10W 26 SE NW SE
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Logging Program:

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

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

No OH logs or mud loggers required.

Additional Information:

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

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Atlantic C #2C
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6423.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6423.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Atlantic C #2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project	San Juan Basin - New Mexico 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
From:	Lat/Long	Easting:	643,887.63 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 47' 33.793 N
		Longitude:	107° 20' 30.932 W
		Grid Convergence:	0.29 °

Well	Atlantic C #2C, Directional "S" Curve Long, Lewis not included			
Well Position	+N-S	0.0 ft	Northing:	2,131,951.03 ft
	+E-W	0.0 ft	Easting:	495,261.37 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft	Ground Level:
				6,408.0 ft
				Latitude:
				36° 51' 32.527 N
				Longitude:
				107° 50' 58.311 W

Wellbore	Principal Wellbore				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2010	11/23/2009	10.13	63.62	50,953

Design	Plan #1			
Audit Notes:				
Version:	1	Phase:	PROTOTYPE	Tie On Depth:
				0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	123.13

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		
1,323.2	30.10	105.92	1,277.7	-70.6	247.6	3.00	3.00	0.00	105.92		
2,702.8	30.10	105.92	2,471.3	-260.4	912.9	0.00	0.00	0.00	0.00		
3,706.0	0.00	0.00	3,429.0	-331.0	1,160.5	3.00	-3.00	0.00	180.00	Atlantic C #2C - ICP	
6,082.0	0.00	0.00	5,805.0	-331.0	1,160.5	0.00	0.00	0.00	0.00	Atlantic C #2C - PCP	

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Atlantic C #2C
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well Atlantic C #2C
TVD Reference: RKB @ 6423 0ft (AWS RIGS)
MD Reference: RKB @ 6423 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)
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
182.0	0.00	0.00	182.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface									
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
325.0	0.15	105.92	325.0	0.0	0.0	0.0	3.00	3.00	0.00
Nacimiento									
400.0	2.40	105.92	400.0	-0.5	1.6	1.6	3.00	3.00	0.00
500.0	5.40	105.92	499.7	-2.3	8.2	8.1	3.00	3.00	0.00
600.0	8.40	105.92	599.0	-5.6	19.7	19.6	3.00	3.00	0.00
700.0	11.40	105.92	697.5	-10.3	36.2	36.0	3.00	3.00	0.00
800.0	14.40	105.92	795.0	-16.5	57.7	57.3	3.00	3.00	0.00
900.0	17.40	105.92	891.1	-24.0	84.0	83.5	3.00	3.00	0.00
1,000.0	20.40	105.92	985.7	-32.9	115.2	114.4	3.00	3.00	0.00
1,100.0	23.40	105.92	1,078.5	-43.1	151.1	150.0	3.00	3.00	0.00
1,200.0	26.40	105.92	1,169.2	-54.6	191.5	190.3	3.00	3.00	0.00
1,300.0	29.40	105.92	1,257.6	-67.5	236.5	234.9	3.00	3.00	0.00
1,323.2	30.10	105.92	1,277.7	-70.6	247.6	246.0	3.00	3.00	0.00
1,400.0	30.10	105.92	1,344.1	-81.2	284.6	282.7	0.00	0.00	0.00
1,500.0	30.10	105.92	1,430.7	-94.9	332.9	330.6	0.00	0.00	0.00
1,600.0	30.10	105.92	1,517.2	-108.7	381.1	378.5	0.00	0.00	0.00
1,700.0	30.10	105.92	1,603.7	-122.4	429.3	426.4	0.00	0.00	0.00
1,800.0	30.10	105.92	1,690.2	-136.2	477.5	474.3	0.00	0.00	0.00
1,900.0	30.10	105.92	1,776.7	-150.0	525.8	522.2	0.00	0.00	0.00
1,900.3	30.10	105.92	1,777.0	-150.0	525.9	522.4	0.00	0.00	0.00
Ojo Alamo									
2,000.0	30.10	105.92	1,863.3	-163.7	574.0	570.1	0.00	0.00	0.00
2,032.1	30.10	105.92	1,891.0	-168.1	589.4	585.5	0.00	0.00	0.00
Kirtland									
2,100.0	30.10	105.92	1,949.8	-177.5	622.2	618.0	0.00	0.00	0.00
2,200.0	30.10	105.92	2,036.3	-191.2	670.4	665.9	0.00	0.00	0.00
2,300.0	30.10	105.92	2,122.8	-205.0	718.6	713.8	0.00	0.00	0.00
2,400.0	30.10	105.92	2,209.3	-218.7	766.9	761.7	0.00	0.00	0.00
2,500.0	30.10	105.92	2,295.8	-232.5	815.1	809.6	0.00	0.00	0.00
2,600.0	30.10	105.92	2,382.4	-246.2	863.3	857.5	0.00	0.00	0.00
2,702.8	30.10	105.92	2,471.3	-260.4	912.9	906.8	0.00	0.00	0.00
2,800.0	27.18	105.92	2,556.6	-273.1	957.7	951.3	3.00	-3.00	0.00
2,889.3	24.50	105.92	2,637.0	-283.8	995.1	988.5	3.00	-3.00	0.00
Fruitland									
2,900.0	24.18	105.92	2,646.7	-285.0	999.4	992.7	3.00	-3.00	0.00
3,000.0	21.18	105.92	2,739.0	-295.6	1,036.4	1,029.5	3.00	-3.00	0.00
3,100.0	18.18	105.92	2,833.1	-304.8	1,068.8	1,061.6	3.00	-3.00	0.00
3,200.0	15.18	105.92	2,928.9	-312.7	1,096.4	1,089.1	3.00	-3.00	0.00
3,300.0	12.18	105.92	3,026.1	-319.2	1,119.1	1,111.6	3.00	-3.00	0.00
3,400.0	9.18	105.92	3,124.3	-324.3	1,137.0	1,129.3	3.00	-3.00	0.00
3,432.1	8.22	105.92	3,156.0	-325.6	1,141.6	1,134.0	3.00	-3.00	0.00
Pictured Cliffs									
3,500.0	6.18	105.92	3,223.4	-327.9	1,149.8	1,142.1	3.00	-3.00	0.00
3,600.0	3.18	105.92	3,323.1	-330.2	1,157.7	1,149.9	3.00	-3.00	0.00
3,606.0	3.00	105.92	3,329.0	-330.3	1,158.0	1,150.2	3.00	-3.00	0.00
Lewis									

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico Wells
 Site: Other Named Wells
 Well: Atlantic C #2C
 Wellbore: Principal Wellbore
 Design: Plan #1

Local Co-ordinate Reference: Well Atlantic C #2C
 TVD Reference: RKB @ 6423.0ft (AWS RIGS)
 MD Reference: RKB @ 6423 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)
3,706.0	0.00	0.00	3,429.0	-331.0	1,160.5	1,152.7	3.00	-3.00	-105.87
Atlantic C #2C - ICP									
3,709.0	0.00	0.00	3,432.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Int									
3,800.0	0.00	0.00	3,523.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
3,900.0	0.00	0.00	3,623.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,000.0	0.00	0.00	3,723.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,100.0	0.00	0.00	3,823.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,148.0	0.00	0.00	3,871.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Huerf. Bent.									
4,200.0	0.00	0.00	3,923.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,300.0	0.00	0.00	4,023.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,400.0	0.00	0.00	4,123.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,488.0	0.00	0.00	4,211.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Chacra									
4,500.0	0.00	0.00	4,223.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,323.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,423.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,523.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,623.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,723.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,100.0	0.00	0.00	4,823.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,190.0	0.00	0.00	4,913.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Massive Cliffhouse									
5,200.0	0.00	0.00	4,923.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,275.0	0.00	0.00	4,998.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Menefee									
5,300.0	0.00	0.00	5,023.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,123.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,223.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,323.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,636.0	0.00	0.00	5,359.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Pt. Lookout									
5,700.0	0.00	0.00	5,423.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,523.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,623.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
5,982.0	0.00	0.00	5,705.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Mancos Shale									
6,000.0	0.00	0.00	5,723.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
6,076.0	0.00	0.00	5,799.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Prod									
6,082.0	0.00	0.00	5,805.0	-331.0	1,160.5	1,152.7	0.00	0.00	0.00
Total Depth - Atlantic C #2C - PCP									

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico Wells
 Site: Other Named Wells
 Well: Atlantic C #2C
 Wellbore: Principal Wellbore
 Design: Plan #1

Local Co-ordinate Reference: Well Atlantic C #2C
 TVD Reference: RKB @ 6423.0ft (AWS RIGS)
 MD Reference: RKB @ 6423.0ft (AWS RIGS)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

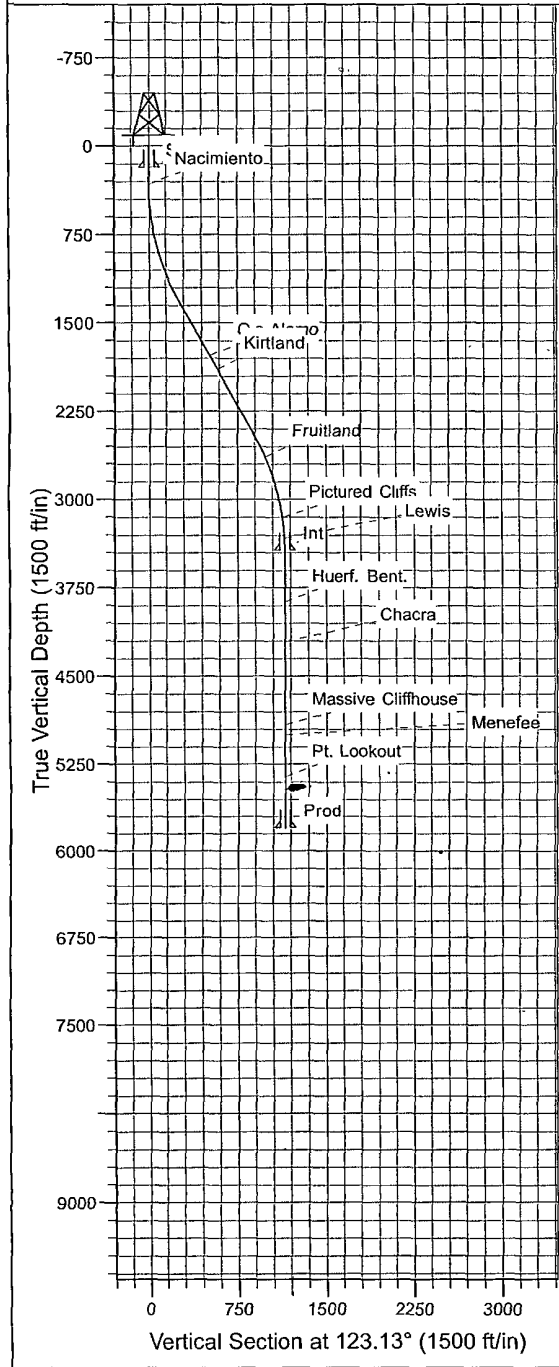
Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
	Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
Atlantic C #2C - PCP	- plan hits target center - Circle (radius 100.0)	0.00	0 00	5,805.0	-331 0	1,160 5	2,131,619.88	496,421.71	36° 51' 29.254 N 107° 50' 44.032 W
Atlantic C #2C - ICP	- plan hits target center - Circle (radius 100 0)	0.00	0.00	3,429.0	-331.0	1,160.5	2,131,619 88	496,421.71	36° 51' 29 254 N 107° 50' 44 032 W

Casing Points						
Measured Depth	Vertical Depth				Casing Diameter	Hole Diameter
(ft)	(ft)	Name			(")	(")
182.0	182 0	Surface			9-5/8	12
3,709.0	3,432.0	Int			7	8-3/4
6,076 0	5,799 0	Prod			4-1/2	6-1/4

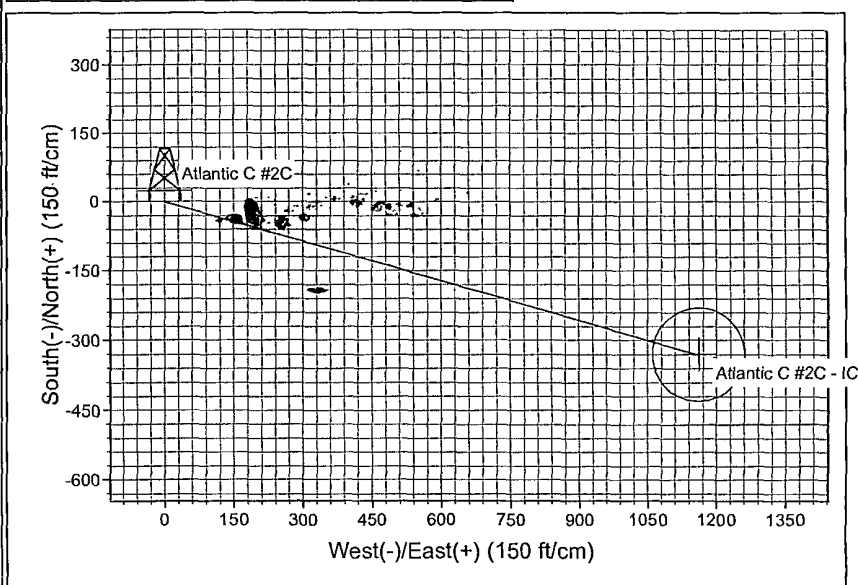
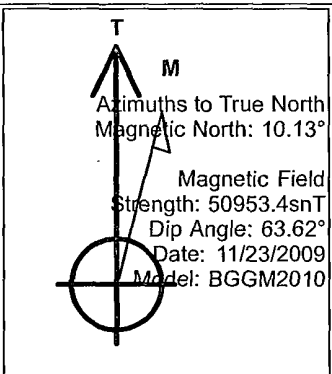
Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
325.0	325 0	Nacimiento		0.00		
6,082.0	5,805.0	Total Depth		0 00		
3,432.1	3,156.0	Pictured Cliffs		0.00		
5,275.0	4,998.0	Menefee		0.00		
5,190 0	4,913.0	Massive Cliffhouse		0.00		
1,900 3	1,777.0	Ojo Alamo		0.00		
2,032.1	1,891 0	Kirtland		0.00		
3,606.0	3,329 0	Lewis		0.00		
4,488.0	4,211.0	Chacra		0.00		
5,636.0	5,359.0	Pt. Lookout		0.00		
4,148.0	3,871.0	Huerf Bent.		0 00		
5,982.0	5,705.0	Mancos Shale		0.00		
2,889 3	2,637 0	Fruitland		0.00		

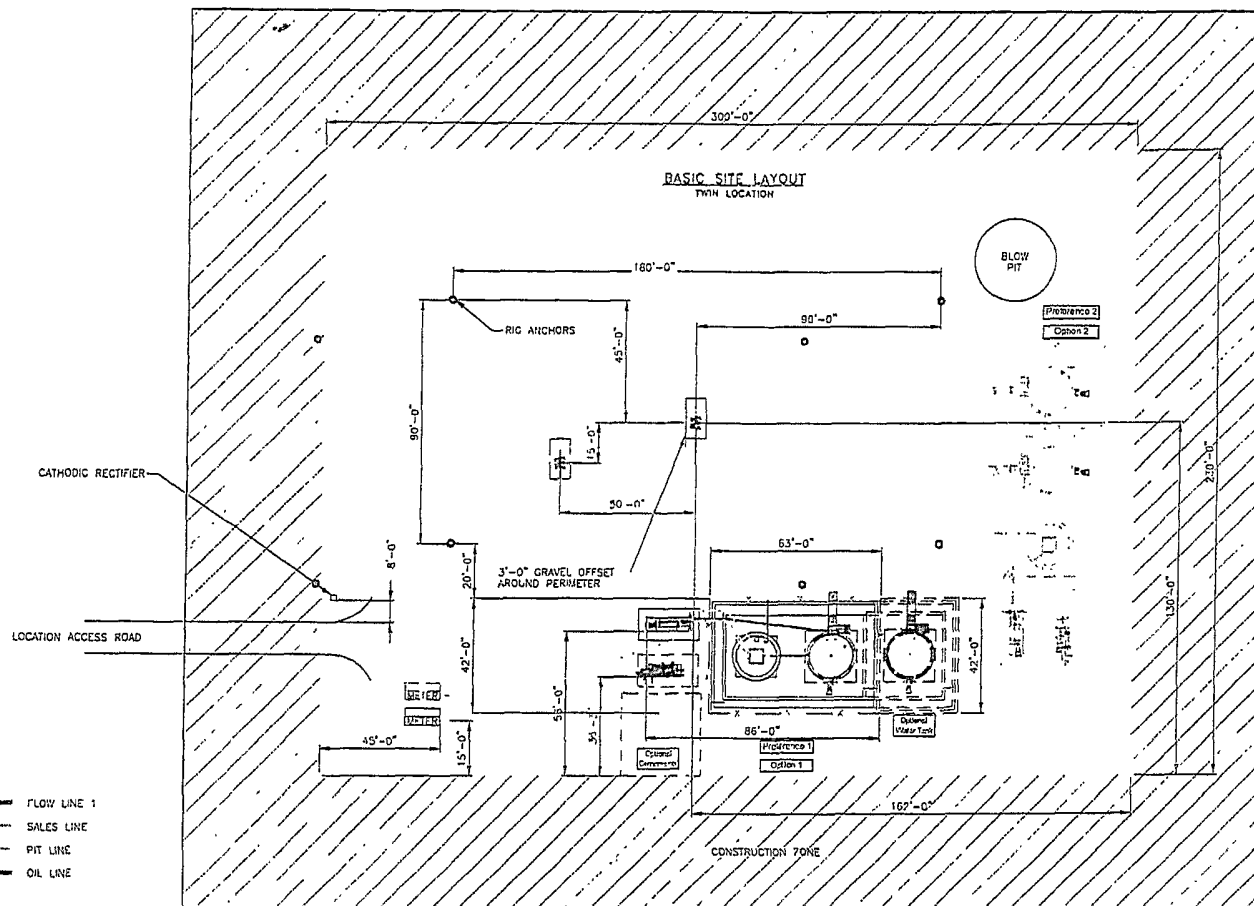
REFERENCE INFORMATION RKB @ 6423.0ft (AWS RIGS) Ground Elevation 6408.0 Reference Lat: 36° 51' 32.527 N Reference Long: 107° 50' 58.311 W	Project: San Juan Basin - New Mexico Well Site: Other Named Wells Well: Atlantic C #2C Wellbore: Principal Wellbore Design: Plan #1	
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SECTION 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	1323.2	30.10	105.92	1277.7	-70.6	247.6	3.00	105.92	246.0	
4	2702.8	30.10	105.92	2471.3	-260.4	912.9	0.00	0.00	906.8	
5	3706.0	0.00	0.00	3429.0	-331.0	1160.5	3.00	180.00	1152.7	Atlantic C #2C - ICP
6	6082.0	0.00	0.00	5805.0	-331.0	1160.5	0.00	0.00	1152.7	Atlantic C #2C - PCP



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
325.0	325.0	Nacimiento
1777.0	1900.3	Ojo Alamo
1891.0	2032.1	Kirtland
2637.0	2889.3	Fruitland
3156.0	3432.1	Pictured Cliffs
3329.0	3606.0	Lewis
3871.0	4148.0	Huerf. Bent.
4211.0	4488.0	Chacra
4913.0	5190.0	Massive Cliffhouse
4998.0	5275.0	Menefee
5359.0	5636.0	Pt. Lookout
5705.0	5982.0	Mancos Shale
5805.0	6082.0	Total Depth





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

SHEET 1 OF 5

DESCRIPTION						ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCOPHILLIPS		
NO.	DATE	BY	CHKD	ENG	DEC	PROJ	DESCRIPTION	DATE	NO.	DESCRIPTION	HIGH PRESSURE 3 PHASE		
											FACILITY DIAGRAM- SITE LAYOUT		
											SAN JUAN BUSINESS UNIT		
											CONOCOPHILLIPS		
											HP3PHASE-REV1		
											1 OF 5		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

ATLANTIC C #2 C
1217' FNL & 1853' FEL
LOCATED IN THE NW/4 NE/4 OF SECTION 35,
T31N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 516 IN AZTEC, TRAVEL EASTERLY ON HWY 550 FOR 11.0 MILES.
- 2) TURN RIGHT ONTO CR 2770 (HART CANYON RD) AND GO 4.9 MILES.
- 3) TURN RIGHT ONTO CR 2776, TRAVEL 0.4 MILES.
- 4) TURN LEFT THROUGH LOCKED GATE AND TRAVEL 0.8 MILES TO THE ATLANTIC C #2 WELL LOCATION

WELL FLAG LOCATED AT LAT. 36.85904° N, LONG. 107.85015° W (NAD 83).

