

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

NOV 13 2012

1a. Type of Work DRILL	5. Lease Number SF-078503 Unit Reporting Number	Farmington Field Office Bureau of Land Management
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 SAN JUAN 29-7 UNIT 9. Well Number 99C	RCVD DEC 11 '12 OIL CONS. DIV.
4. Location of Well Surface: Unit C (NE/NW), 830' FNL & 1503' FWL BHL : Unit E (SW/NW), 1470' FNL & 530' FWL Surface: Latitude: 36.7019859° N (NAD83) Longitude: 107.5981682° W BHL : Latitude: 36.7002362° N (NAD83) Longitude: 107.6014870° W	10. Field, Pool, Wildcat BLANCO MV 11. Sec., Twn, Rge, Mer. (NMPM) SUR: Sec. 29, T29N, R7W BHL: Sec. 29, T29N, R7W API # 30-039-31154	DIST. 3
14. Distance in Miles from Nearest Town 21 Miles from Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 530'	16. Acres in Lease 1,970.040	17. Acres Assigned to Well 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease +/- 72' from SJ 29-7 Unit 112M (BR) DK/MV	19. Proposed Depth 5796'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6389' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <i>[Signature]</i> Marie E. Jaramillo (Staff Regulatory Tech)	11/12/12 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *[Signature]* TITLE *AFM* DATE *11/30/12*

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 3160.3 and appeal pursuant to 43 CFR 3165.4. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
DEC 13 2012

Hold C104
for Directional Survey and "As Drilled" plat
NMOC D IV

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

UTILITY AZIUED OOD 24 HRS
PRIOR TO CASING & CEMENT

Hold C104
for Directional Survey and "As Drilled" plat

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-8170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

RECEIVED Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31154	² Pool Code 72319	³ Pool Name BLANCO MESA VERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 99C
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6389

¹⁰ Surface Location

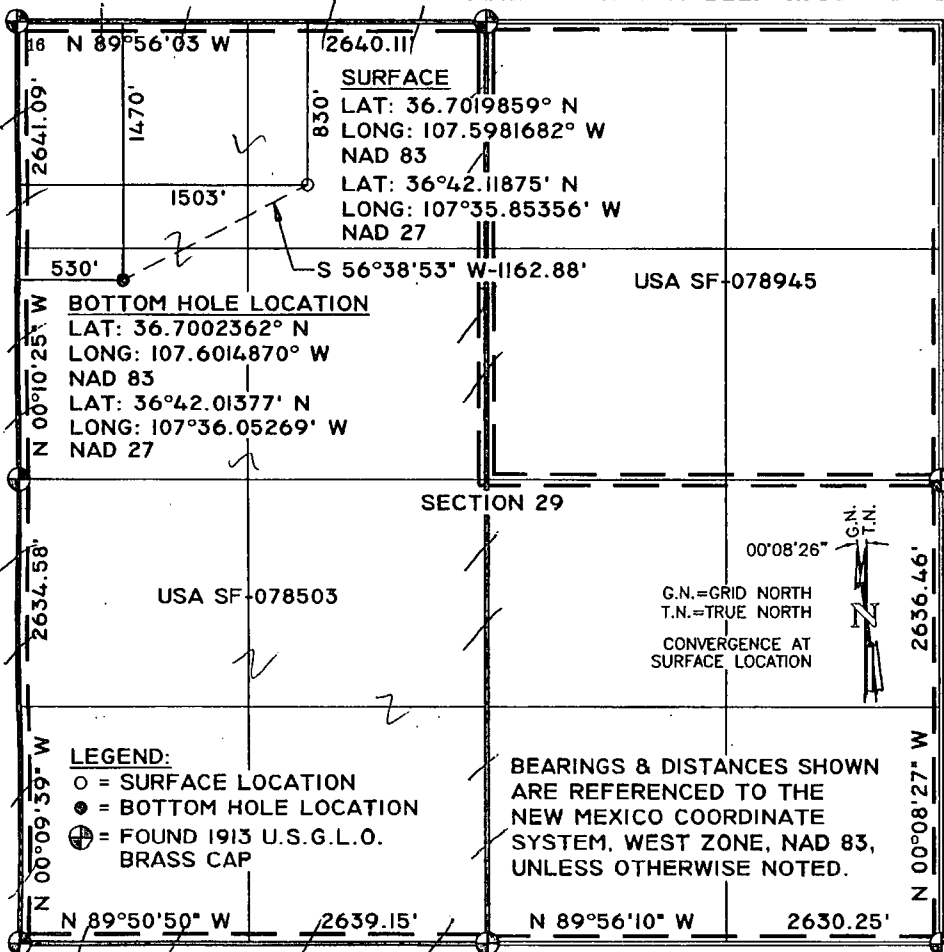
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	29 N	7 W		830	NORTH	1503	WEST	RIO ARRIBA

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
E	29	29 N	7 W		1470	NORTH	530	WEST	RIO ARRIBA

¹² Dedicated Acres 320 (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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen Kellywood 7/31/12
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.

07/03/12
Date of Survey
Signature and Seal of Professional Surveyor
MARSHALL W. LINDEN
NEW MEXICO
17078
PROFESSIONAL SURVEYOR
17078
Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 99C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.2019				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
Location: Surface				Datum Code: NAD 27		Directional	
Latitude: 36.701979		Longitude: -107.597559		X:	Y:	Section: 29	Range: 007W
Footage X: 1503 FWL		Footage Y: 830 FNL		Elevation: 6389 (FT)		Township: 029N	
Tolerance:							
Location: Bottom Hole				Datum Code: NAD 27		Directional	
Latitude: 36.700230		Longitude: -107.600878		X:	Y:	Section: 29	Range: 007W
Footage X: 530 FWL		Footage Y: 1470 FNL		Elevation: (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6404 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6389		☐			Ground water at 100' in SJ 29-7 130.
Surface Casing	200	6204		☐		52	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	919	5485		☐			
OJO ALAMO	2155	4249		☐			
KIRTLAND	2313	4091		☐			
FRUITLAND	2683	3721		☐	378		Possible Gas - Lost circulation in SJ 29-7 86M.
PICTURED CLIFFS	3086	3318		☐	998		
LEWIS	3231	3173		☐			Lost circulation in SJ 29-7 127N, 49N, 117M, 589, 32N, 81N, 66M.
HUERFANITO BENTONITE	3895	2509		☐			
Intermediate Casing	4000	2404		☐		114	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 901 cuft. Circulate cement to surface.
CHACRA	4060	2344		☐			Est top perf ~4060' (Lewis included see notes under general tab) 10/08/2012
UPPER CLIFF HOUSE	4612	1792		☐			
MASSIVE CLIFF HOUSE	4732	1672		☐	451		Gas
MENEFEE	4903	1501		☐			Gas
POINT LOOKOUT	5296	1108		☐			Gas - Est bottom MV perf 5646' tvd (350' below T/PNLK).
MANCOS	5787	617		☐		167	
Total Depth	5796	608		☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 242 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							
Reference Type	Well Name			Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 99C

DEVELOPMENT

Production	SAN JUAN 29-7 UNIT 112M	
Production	SAN JUAN 29-7 UNIT 109	

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR/CBL.	

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

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #99C
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6404.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6404.0usft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #99C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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:	2,085,982.15 usft	Latitude:	36° 43' 31.904 N
From:	Lat/Long	Easting:	115,389.83 usft	Longitude:	109° 8' 44.476 W
Position Uncertainty:	15.0 usft	Slot Radius:	6-1/8"	Grid Convergence:	-0.78 °

Well	SJ 29-7 #99C					
Well Position	+N/-S	0.0 usft	Northing:	2,074,859.87 usft	Latitude:	36° 42' 7.125 N
	+E/-W	0.0 usft	Easting:	569,117.42 usft	Longitude:	107° 35' 51.214 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	6,389.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2012	10/8/2012	9.66	63.42	50,558

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	236.79

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
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	
1,535.7	23.71	236.79	1,502.1	-132.5	-202.4	2.00	2.00	0.00	236.79	
3,425.0	23.71	236.79	3,231.9	-548.7	-838.1	0.00	0.00	0.00	0.00	
4,215.5	0.00	0.00	4,000.0	-637.0	-973.0	3.00	-3.00	0.00	180.00	SJ 29-7 #99C ICP
6,011.5	0.00	0.00	5,796.0	-637.0	-973.0	0.00	0.00	0.00	0.00	SJ 29-7 #99C PCP

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 29 Wells
 Well: SJ 29-7 #99C
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well SJ 29-7 #99C
 TVD Reference: WELL @ 6404.0usft (Original Well Elev)
 MD Reference: WELL @ 6404.0usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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	236.79	400.0	-0.2	-0.4	0.4	2.00	2.00	0.00
500.0	3.00	236.79	499.9	-2.2	-3.3	3.9	2.00	2.00	0.00
600.0	5.00	236.79	599.7	-6.0	-9.1	10.9	2.00	2.00	0.00
700.0	7.00	236.79	699.1	-11.7	-17.9	21.4	2.00	2.00	0.00
800.0	9.00	236.79	798.2	-19.3	-29.5	35.3	2.00	2.00	0.00
900.0	11.00	236.79	896.6	-28.8	-44.0	52.6	2.00	2.00	0.00
922.8	11.46	236.79	919.0	-31.3	-47.8	57.1	2.00	2.00	0.00
NACIEMENTO									
1,000.0	13.00	236.79	994.4	-40.2	-61.4	73.4	2.00	2.00	0.00
1,100.0	15.00	236.79	1,091.5	-53.5	-81.7	97.6	2.00	2.00	0.00
1,200.0	17.00	236.79	1,187.6	-68.6	-104.7	125.2	2.00	2.00	0.00
1,300.0	19.00	236.79	1,282.7	-85.5	-130.6	156.1	2.00	2.00	0.00
1,400.0	21.00	236.79	1,376.6	-104.2	-159.2	190.3	2.00	2.00	0.00
1,500.0	23.00	236.79	1,469.4	-124.7	-190.5	227.7	2.00	2.00	0.00
1,535.7	23.71	236.79	1,502.1	-132.5	-202.4	241.9	2.00	2.00	0.00
1,600.0	23.71	236.79	1,561.0	-146.7	-224.0	267.8	0.00	0.00	0.00
1,700.0	23.71	236.79	1,652.6	-168.7	-257.7	308.0	0.00	0.00	0.00
1,800.0	23.71	236.79	1,744.1	-190.7	-291.3	348.2	0.00	0.00	0.00
1,900.0	23.71	236.79	1,835.7	-212.7	-325.0	388.4	0.00	0.00	0.00
2,000.0	23.71	236.79	1,927.2	-234.8	-358.6	428.6	0.00	0.00	0.00
2,100.0	23.71	236.79	2,018.8	-256.8	-392.3	468.8	0.00	0.00	0.00
2,200.0	23.71	236.79	2,110.3	-278.8	-425.9	509.1	0.00	0.00	0.00
2,248.8	23.71	236.79	2,155.0	-289.6	-442.3	528.7	0.00	0.00	0.00
OJO ALAMO									
2,300.0	23.71	236.79	2,201.9	-300.8	-459.6	549.3	0.00	0.00	0.00
2,400.0	23.71	236.79	2,293.5	-322.9	-493.2	589.5	0.00	0.00	0.00
2,421.3	23.71	236.79	2,313.0	-327.6	-500.4	598.1	0.00	0.00	0.00
KIRTLAND									
2,500.0	23.71	236.79	2,385.0	-344.9	-526.9	629.7	0.00	0.00	0.00
2,600.0	23.71	236.79	2,476.6	-366.9	-560.5	669.9	0.00	0.00	0.00
2,700.0	23.71	236.79	2,568.1	-389.0	-594.2	710.1	0.00	0.00	0.00
2,800.0	23.71	236.79	2,659.7	-411.0	-627.8	750.4	0.00	0.00	0.00
2,825.5	23.71	236.79	2,683.0	-416.6	-636.4	760.6	0.00	0.00	0.00
FRUITLAND									
2,900.0	23.71	236.79	2,751.2	-433.0	-661.4	790.6	0.00	0.00	0.00
3,000.0	23.71	236.79	2,842.8	-455.0	-695.1	830.8	0.00	0.00	0.00
3,100.0	23.71	236.79	2,934.4	-477.1	-728.7	871.0	0.00	0.00	0.00
3,200.0	23.71	236.79	3,025.9	-499.1	-762.4	911.2	0.00	0.00	0.00
3,265.6	23.71	236.79	3,086.0	-513.6	-784.5	937.6	0.00	0.00	0.00
PICTURED CLIFFS									
3,300.0	23.71	236.79	3,117.5	-521.1	-796.0	951.4	0.00	0.00	0.00
3,400.0	23.71	236.79	3,209.0	-543.2	-829.7	991.7	0.00	0.00	0.00
3,424.0	23.71	236.79	3,231.0	-548.4	-837.8	1,001.3	0.00	0.00	0.00
LEWIS									
3,425.0	23.71	236.79	3,231.9	-548.7	-838.1	1,001.7	0.00	0.00	0.00
3,500.0	21.46	236.79	3,301.2	-564.4	-862.2	1,030.5	3.00	-3.00	0.00

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #99C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6404.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6404.0usft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #99C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,600.0	18.46	236.79	3,395.1	-583.1	-890.8	1,064.7	3.00	-3.00	0.00
3,700.0	15.46	236.79	3,490.8	-599.1	-915.2	1,093.8	3.00	-3.00	0.00
3,800.0	12.46	236.79	3,587.8	-612.3	-935.4	1,118.0	3.00	-3.00	0.00
3,900.0	9.46	236.79	3,686.0	-622.7	-951.3	1,137.0	3.00	-3.00	0.00
4,000.0	6.46	236.79	3,785.0	-630.3	-962.9	1,150.8	3.00	-3.00	0.00
4,100.0	3.46	236.79	3,884.6	-635.1	-970.1	1,159.5	3.00	-3.00	0.00
4,110.4	3.15	236.79	3,895.0	-635.4	-970.6	1,160.1	3.00	-3.00	0.00
HUERFANITO BENTONITE									
4,200.0	0.46	236.79	3,984.5	-637.0	-973.0	1,162.9	3.00	-3.00	0.00
4,215.5	0.00	0.00	4,000.0	-637.0	-973.0	1,163.0	3.00	-3.00	0.00
4,275.5	0.00	0.00	4,060.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
CHACRA									
4,300.0	0.00	0.00	4,084.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,184.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,284.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,384.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,484.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,584.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,827.5	0.00	0.00	4,612.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
UPPER CLIFF HOUSE									
4,900.0	0.00	0.00	4,684.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
4,947.5	0.00	0.00	4,732.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
5,000.0	0.00	0.00	4,784.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,100.0	0.00	0.00	4,884.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,118.5	0.00	0.00	4,903.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
MENEFEE									
5,200.0	0.00	0.00	4,984.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,084.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,184.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,284.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,511.5	0.00	0.00	5,296.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
POINT LOOKOUT									
5,600.0	0.00	0.00	5,384.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,484.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,584.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,684.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,784.5	-637.0	-973.0	1,163.0	0.00	0.00	0.00
6,002.5	0.00	0.00	5,787.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00
MANCOS									
6,011.5	0.00	0.00	5,796.0	-637.0	-973.0	1,163.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #99C
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6404.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6404.0usft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #99C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SJ 29-7 #99C PCP - plan hits target center - Point	0.00	0.00	5,796.0	-637.0	-973.0	2,074,220.53	568,146.07	36° 42' 0.826 N	107° 36' 3.161 W
SJ 29-7 #99C ICP - plan hits target center - Point	0.00	0.00	4,000.0	-637.0	-973.0	2,074,220.55	568,146.04	36° 42' 0.826 N	107° 36' 3.161 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,511.5	5,296.0	POINT LOOKOUT		0.00	
2,825.5	2,683.0	FRUITLAND		0.00	
4,947.5	4,732.0	MASSIVE CLIFF HOUSE		0.00	
4,110.4	3,895.0	HUERFANITO BENTONITE		0.00	
922.8	919.0	NACIEMENTO		0.00	
2,248.8	2,155.0	OJO ALAMO		0.00	
2,421.3	2,313.0	KIRTLAND		0.00	
5,118.5	4,903.0	MENEFEE		0.00	
4,275.5	4,060.0	CHACRA		0.00	
15.0	15.0	SAN JOSE		0.00	
3,265.6	3,086.0	PICTURED CLIFFS		0.00	
4,827.5	4,612.0	UPPER CLIFF HOUSE		0.00	
6,002.5	5,787.0	MANCOS		0.00	
3,424.0	3,231.0	LEWIS		0.00	

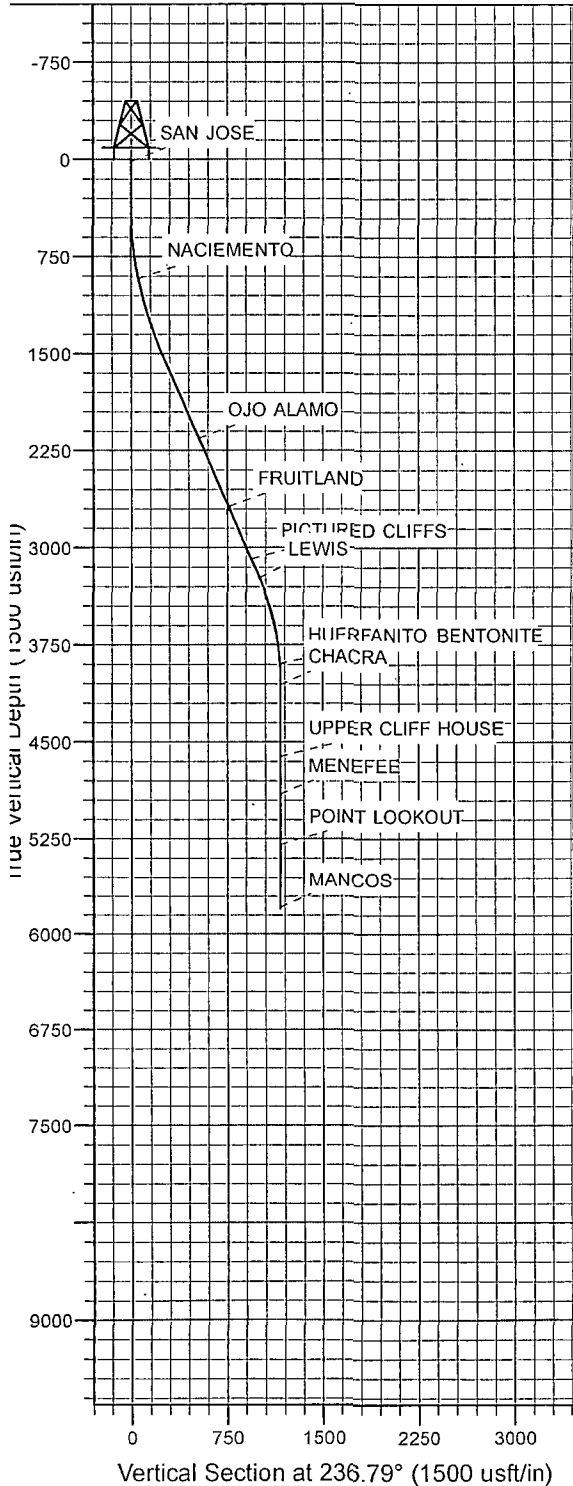
REFERENCE INFORMATION

ELL @ 6404.0usft (Original Well Elev)
Ground Elevation 6389.0
Reference Lat: 36° 42' 7.125 N
Reference Long: 107° 35' 51.214 W

Project: San Juan Basin - New Mexico West V
Site: San Juan 29 Wells
Well: SJ 29-7 #99C
Wellbore: Wellbore #1
Design: Design #1

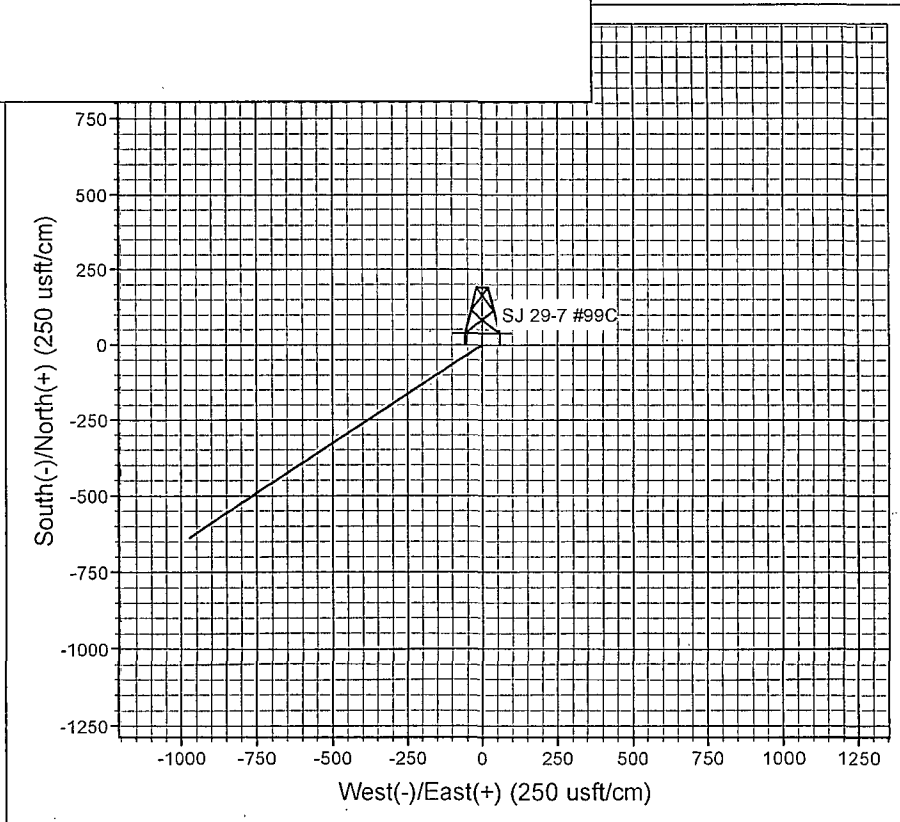
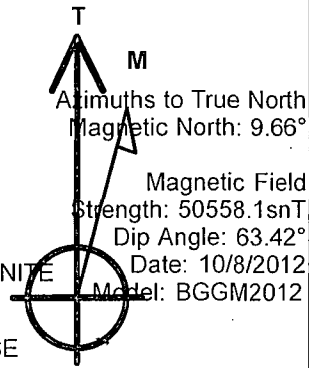
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	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	1535.7	23.71	236.79	1502.1	-132.5	-202.4	2.00	236.79	241.9	
4	3425.0	23.71	236.79	3231.9	-548.7	-838.1	0.00	0.00	1001.7	
5	4215.5	0.00	0.00	4000.0	-637.0	-973.0	3.00	180.00	1163.0	SJ 29-7 #99C ICP
6	6011.5	0.00	0.00	5796.0	-637.0	-973.0	0.00	0.00	1163.0	SJ 29-7 #99C PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
15.0	15.0	SAN JOSE
919.0	922.8	NACIEMENTO
2155.0	2248.8	OJO ALAMO
2313.0	2421.3	KIRTLAND
2683.0	2825.5	FRUITLAND
3086.0	3265.6	PICTURED CLIFFS
3231.0	3424.0	LEWIS
3895.0	4110.4	HUERFANITO BENTONITE
4060.0	4275.5	CHACRA
4612.0	4827.5	UPPER CLIFF HOUSE
4732.0	4947.5	MASSIVE CLIFF HOUSE
4903.0	5118.5	MENELEE
5296.0	5511.5	POINT LOOKOUT
5787.0	6002.5	MANCOS



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 29-7 UNIT 99C

830' FNL & 1503' FWL (SURFACE)

1470' FNL & 530' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.7019859° N

LONGITUDE: 107.5981682° W

NAD 83

SECTION 29, T-29-N, R-7-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND U.S. HIGHWAY 550 NORTH
IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY ON U.S. HIGHWAY 64 FOR 17.4 MILES.

TURN RIGHT OFF HIGHWAY AND TRAVEL SOUTHERLY 0.6 MILE.

TURN LEFT AT "Y" IN ROAD AND TRAVEL SOUTHEASTERLY 1.0 MILE.

TURN LEFT AT TEE IN ROAD AND TRAVEL NORTHERLY 0.2 MILE.

TURN RIGHT AND TRAVEL EASTERLY 0.7 MILE TO A "4-WAY" INTERSECTION.

CONTINUE TRAVELING NORTHEASTERLY 5.7 MILES UP

RIDGE ROAD TO A "Y" INTERSECTION.

TURN RIGHT AND TRAVEL SOUTHWESTERLY 0.8 MILE.

TURN LEFT AT TEE IN ROAD AND TRAVEL SOUTHWESTERLY 1.5 MILES.

TURN RIGHT AT 4-WAY INTERSECTION AND TRAVEL NORTHERLY 1.3 MILES.

TURN RIGHT AT TEE INTERSECTION AND TRAVEL EASTERLY 0.3 MILE.

TURN LEFT AT TEE INTERSECTION AND TRAVEL NORTHERLY 0.3 MILE.

TURN LEFT AND TRAVEL WESTERLY 0.1 MILE TO EXISTING SAN JUAN 29-7 UNIT 112M
WELL LOCATION AND PROPOSED SAN JUAN 29-7 UNIT 99C WELL LOCATION.