

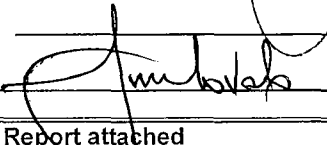
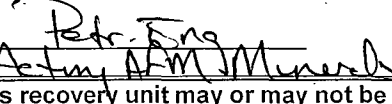
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEC 11 2012

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 SF-078945	Farmington Field Office Bureau of Land Management
1b. Type of Well GAS		Unit Reporting Number NM78497A (M)	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 84M	
4. Location of Well Surface: Unit O(SW/SE), 1182' FSL & 1669' FEL BHL : Unit I(NE/SE), 1560' FSL & 710' FEL Surface: Latitude: 36.7506826° N (NAD83) Bottom: Longitude: 107.5189840° W BHL : Latitude: 36.7516999° N (NAD83) Longitude: 107.5157133° W		10. Field, Pool, Wildcat BASIN DK / BLANCO MV 11. Sec., Twn, Rge, Mer. (NMPM) SUR: Sec. 1, T29N, R7W BHL: Sec. 1, T29N, R7W API # 30-039-31164	
14. Distance in Miles from Nearest Town 22 miles from Blanco, NM	12. County Rio Arriba	13. State NM	
15. Distance from Proposed Location to Nearest Property or Lease Line 710'			
16. Acres in Lease 2,543.150	 H ₂ S POTENTIAL EXIST	17. Acres Assigned to Well 319.52 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' +/- from San Juan 29-7 Unit 84A (BR) (MV)			
19. Proposed Depth 7968' TVD 8032' MD 8032' MO	20. Rotary or Cable Tools Rotary		
21. Elevations (DF, FT, GR, Etc.) 7072' GL 6493'	22. Approx. Date Work will Start		
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by:	12/10/12		
Marie E. Jaramillo (Staff Regulatory Tech)	Date		

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY:  TITLE:  DATE: 3/11/13

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 3160.3 and appeal pursuant to 43 CFR 3165.4

MAR 20 2013

NMOCDAV

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

Hold C104
for Directional Survey
and "As Drilled" plat

PC

NOTIFY AZIEC OCD 24 HRS
PRIOR TO CASING & CEMENT

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) 334-6170

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 30-048-31164	² Pool Code 71599 / 72319	³ Pool Name BASINDAKOTA / MESA VERDE BLANCO
⁴ Property Code 7632 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 84M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6497

¹⁰ Surface Location

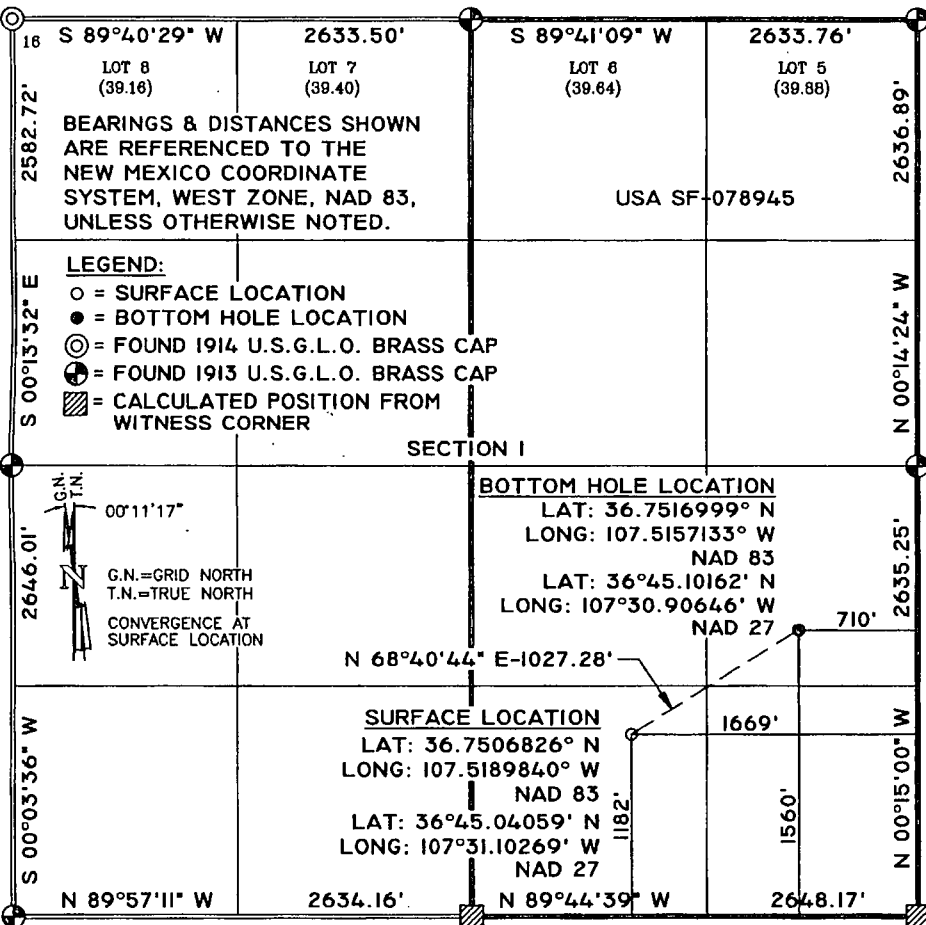
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	1	29 N	7 W		1182	SOUTH	1669	EAST	RIO ARriba

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
I	1	29 N	7 W		1560	SOUTH	710	EAST	RIO ARriba

¹² Dedicated Acres 319.52 (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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: 8/23/12

Printed Name: Marie E. Jaramillo

Staff Regulatory Tech.

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.

07/19/12 Date of Survey

Signature and Seal of Professional Surveyor: *[Signature]*

17078 Certificate Number

MARSHALL W. LINDEEN
NEW MEXICO
PROFESSIONAL SURVEYOR
17078

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 84M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.2005				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 920		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Directional	
Latitude: 36.750676	Longitude: -107.518378	X:	Y:	Section: 01	Range: 007W		
Footage X: 1669 FEL	Footage Y: 1182 FSL	Elevation: 6497	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional	
Latitude: 36.751694	Longitude: -107.515108	X:	Y:	Section: 01	Range: 007W		
Footage X: 710 FEL	Footage Y: 1560 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6512 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6497		☐			Ground water at 290' md in SJ 29-7 38.
Surface Casing	200	6492		☐		50	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40; STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1074	5438		☐			
OJO ALAMO	2494	4018		☐			
KIRTLAND	2625	3887		☐			
FRUITLAND	2981	3531		☐	125		Possible Gas - Lost Circulation in SJ 29-7 38B, 29B, 29M, 87B
PICTURED CLIFFS	3412	3100		☐	875		
LEWIS	3545	2967		☐			Lost Circulation in SJ 30-6 129, SJ 29-6 60M,
Intermediate Casing	3700	2812		☐		124	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 834 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4144	2368		☐			
CHACRA	4407	2105		☐			
UPPER CLIFF HOUSE	4954	1558		☐			
MASSIVE CLIFF HOUSE	5174	1338		☐	471		Gas - Est top MV perf 5179' tvd (~5' below T/UCLH)
MENEFEE	5253	1259		☐			Gas
POINT LOOKOUT	5574	938		☐			Gas - Est bot MV perf 5994' tvd (~420' below T/PNLK)
MANCOS	5948	564		☐			
UPPER GALLUP	6827	-315		☐		197	
GREENHORN	7573	-1061		☐			
GRANEROS	7627	-1115		☐			
TWO WELLS	7694	-1182		☐	3432		Gas - Est top DK perf 7699' tvd (~5' below T/TWLS)

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 84M

DEVELOPMENT

PAGUATE	7760	-1248	☐	
UPPER CUBERO	7771	-1259	☐	Gas
LOWER CUBERO	7793	-1281	☐	Gas - Est bottom DK perf 7852' tvd (~59' below T/CBRL).
ENCINAL	7867	-1355	☐	Gas - Wet in SJ 29-6 18B
Total Depth	7872	-1360	☐	219 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC/BTC casing. Cement w/ 547 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7882	-1370	☐	Gas - Wet in SJ 30-6 129
MORRISON	7968	-1456	☐	

Reference Wells:

Reference Type	Well Name	Comments
Production	SAN JUAN 29-7 UNIT 57A	

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 T/GLLP down to TD.

Mudlogger will call TD.

Est bot DK perf ~20' above TD.

Additional Information:

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

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #84M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6512.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6512.0usft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #84M	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 #84M					
Well Position	+N/-S	0.0 usft	Northing:	2,092,654.56 usft	Latitude:	36° 45' 2.435 N
	+E/-W	0.0 usft	Easting:	592,271.25 usft	Longitude:	107° 31' 6.161 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,497.0 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	10/8/2012	9.64	63.47	50,595

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	68.87	

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	
1,529.2	23.58	68.87	1,496.1	86.3	223.2	2.00	2.00	0.00	68.87	
3,100.1	23.58	68.87	2,935.9	312.8	809.4	0.00	0.00	0.00	0.00	
3,886.2	0.00	0.00	3,700.0	370.3	958.2	3.00	-3.00	0.00	180.00	SJ 29-7 #84M ICP
8,058.2	0.00	0.00	7,872.0	370.3	958.2	0.00	0.00	0.00	0.00	SJ 29-7 #84M 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 #84M
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well SJ 29-7 #84M
 TVD Reference: WELL @ 6512.0usft (Original Well Elev)
 MD Reference: WELL @ 6512.0usft (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	68.87	400.0	0.2	0.4	0.4	2.00	2.00	0.00
500.0	3.00	68.87	499.9	1.4	3.7	3.9	2.00	2.00	0.00
600.0	5.00	68.87	599.7	3.9	10.2	10.9	2.00	2.00	0.00
700.0	7.00	68.87	699.1	7.7	19.9	21.4	2.00	2.00	0.00
800.0	9.00	68.87	798.2	12.7	32.9	35.3	2.00	2.00	0.00
900.0	11.00	68.87	896.6	19.0	49.1	52.6	2.00	2.00	0.00
1,000.0	13.00	68.87	994.4	26.5	68.5	73.4	2.00	2.00	0.00
1,081.9	14.64	68.87	1,074.0	33.5	86.7	93.0	2.00	2.00	0.00
NACIMIENTO									
1,100.0	15.00	68.87	1,091.5	35.2	91.1	97.6	2.00	2.00	0.00
1,200.0	17.00	68.87	1,187.6	45.1	116.8	125.2	2.00	2.00	0.00
1,300.0	19.00	68.87	1,282.7	56.3	145.6	156.1	2.00	2.00	0.00
1,400.0	21.00	68.87	1,376.6	68.6	177.5	190.3	2.00	2.00	0.00
1,500.0	23.00	68.87	1,469.4	82.1	212.4	227.7	2.00	2.00	0.00
1,529.2	23.58	68.87	1,496.1	86.3	223.2	239.3	2.00	2.00	0.00
1,600.0	23.58	68.87	1,561.1	96.5	249.6	267.6	0.00	0.00	0.00
1,700.0	23.58	68.87	1,652.7	110.9	286.9	307.6	0.00	0.00	0.00
1,800.0	23.58	68.87	1,744.4	125.3	324.2	347.6	0.00	0.00	0.00
1,900.0	23.58	68.87	1,836.0	139.7	361.6	387.6	0.00	0.00	0.00
2,000.0	23.58	68.87	1,927.7	154.2	398.9	427.6	0.00	0.00	0.00
2,100.0	23.58	68.87	2,019.3	168.6	436.2	467.6	0.00	0.00	0.00
2,200.0	23.58	68.87	2,111.0	183.0	473.5	507.7	0.00	0.00	0.00
2,300.0	23.58	68.87	2,202.6	197.4	510.8	547.7	0.00	0.00	0.00
2,400.0	23.58	68.87	2,294.3	211.9	548.2	587.7	0.00	0.00	0.00
2,500.0	23.58	68.87	2,385.9	226.3	585.5	627.7	0.00	0.00	0.00
2,600.0	23.58	68.87	2,477.5	240.7	622.8	667.7	0.00	0.00	0.00
2,617.9	23.58	68.87	2,494.0	243.3	629.5	674.9	0.00	0.00	0.00
OJO ALAMO									
2,700.0	23.58	68.87	2,569.2	255.1	660.1	707.7	0.00	0.00	0.00
2,760.9	23.58	68.87	2,625.0	263.9	682.8	732.1	0.00	0.00	0.00
KIRTLAND									
2,800.0	23.58	68.87	2,660.8	269.6	697.4	747.7	0.00	0.00	0.00
2,900.0	23.58	68.87	2,752.5	284.0	734.7	787.7	0.00	0.00	0.00
3,000.0	23.58	68.87	2,844.1	298.4	772.1	827.7	0.00	0.00	0.00
3,100.0	23.58	68.87	2,935.8	312.8	809.4	867.7	0.00	0.00	0.00
3,100.1	23.58	68.87	2,935.9	312.8	809.4	867.8	0.00	0.00	0.00
3,149.1	22.12	68.87	2,981.0	319.7	827.2	886.8	3.00	-3.00	0.00
FRUITLAND									
3,200.0	20.59	68.87	3,028.4	326.4	844.4	905.3	3.00	-3.00	0.00
3,300.0	17.59	68.87	3,122.9	338.2	874.9	938.0	3.00	-3.00	0.00
3,400.0	14.59	68.87	3,219.0	348.1	900.8	965.7	3.00	-3.00	0.00
3,500.0	11.59	68.87	3,316.4	356.3	921.9	988.4	3.00	-3.00	0.00
3,597.1	8.67	68.87	3,412.0	362.5	937.8	1,005.4	3.00	-3.00	0.00
PICTURED CLIFFS									
3,600.0	8.59	68.87	3,414.8	362.6	938.2	1,005.9	3.00	-3.00	0.00
3,700.0	5.59	68.87	3,514.1	367.1	949.7	1,018.2	3.00	-3.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 29 Wells
 Well: SJ 29-7 #84M
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well SJ 29-7 #84M
 TVD Reference: WELL @ 6512.0usft (Original Well Elev)
 MD Reference: WELL @ 6512.0usft (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)
3,731.1	4.66	68.87	3,545.0	368.1	952.3	1,021.0	3.00	-3.00	0.00
LEWIS									
3,800.0	2.59	68.87	3,613.8	369.6	956.4	1,025.3	3.00	-3.00	0.00
3,886.2	0.00	0.00	3,700.0	370.3	958.2	1,027.3	3.00	-3.00	0.00
3,900.0	0.00	0.00	3,713.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,000.0	0.00	0.00	3,813.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,100.0	0.00	0.00	3,913.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,200.0	0.00	0.00	4,013.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,113.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,330.2	0.00	0.00	4,144.0	370.3	958.2	1,027.3	0.00	0.00	0.00
HUERFANITO BENTONITE									
4,400.0	0.00	0.00	4,213.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,313.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,593.2	0.00	0.00	4,407.0	370.3	958.2	1,027.3	0.00	0.00	0.00
CHACRA									
4,600.0	0.00	0.00	4,413.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,513.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,613.8	370.3	958.2	1,027.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,713.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,813.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,913.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,140.2	0.00	0.00	4,954.0	370.3	958.2	1,027.3	0.00	0.00	0.00
UPPER CLIFF HOUSE									
5,200.0	0.00	0.00	5,013.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,113.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,360.2	0.00	0.00	5,174.0	370.3	958.2	1,027.3	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
5,400.0	0.00	0.00	5,213.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,439.2	0.00	0.00	5,253.0	370.3	958.2	1,027.3	0.00	0.00	0.00
MENEFEE									
5,500.0	0.00	0.00	5,313.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,413.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,513.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,760.2	0.00	0.00	5,574.0	370.3	958.2	1,027.3	0.00	0.00	0.00
POINT LOOKOUT									
5,800.0	0.00	0.00	5,613.8	370.3	958.2	1,027.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,713.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,813.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,913.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,134.2	0.00	0.00	5,948.0	370.3	958.2	1,027.3	0.00	0.00	0.00
MANCOS									
6,200.0	0.00	0.00	6,013.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,113.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,213.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,313.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,413.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,513.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,613.8	370.3	958.2	1,027.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,713.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,813.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,013.2	0.00	0.00	6,827.0	370.3	958.2	1,027.3	0.00	0.00	0.00
UPPER GALLUP									

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 #84M
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well SJ 29-7 #84M
 TVD Reference: WELL @ 6512.0usft (Original Well Elev)
 MD Reference: WELL @ 6512.0usft (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)
7,100.0	0.00	0.00	6,913.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,013.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,113.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,213.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,313.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,413.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,513.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,759.2	0.00	0.00	7,573.0	370.3	958.2	1,027.3	0.00	0.00	0.00
GREENHORN									
7,800.0	0.00	0.00	7,613.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,813.2	0.00	0.00	7,627.0	370.3	958.2	1,027.3	0.00	0.00	0.00
GRANEROS									
7,880.2	0.00	0.00	7,694.0	370.3	958.2	1,027.3	0.00	0.00	0.00
TWO WELLS									
7,900.0	0.00	0.00	7,713.8	370.3	958.2	1,027.3	0.00	0.00	0.00
7,946.2	0.00	0.00	7,760.0	370.3	958.2	1,027.3	0.00	0.00	0.00
PAGUATE									
7,957.2	0.00	0.00	7,771.0	370.3	958.2	1,027.3	0.00	0.00	0.00
UPPER CUBERO									
7,979.2	0.00	0.00	7,793.0	370.3	958.2	1,027.3	0.00	0.00	0.00
LOWER CUBERO									
8,000.0	0.00	0.00	7,813.8	370.3	958.2	1,027.3	0.00	0.00	0.00
8,053.2	0.00	0.00	7,867.0	370.3	958.2	1,027.3	0.00	0.00	0.00
ENCINAL									
8,058.2	0.00	0.00	7,872.0	370.3	958.2	1,027.3	0.00	0.00	0.00

Targets

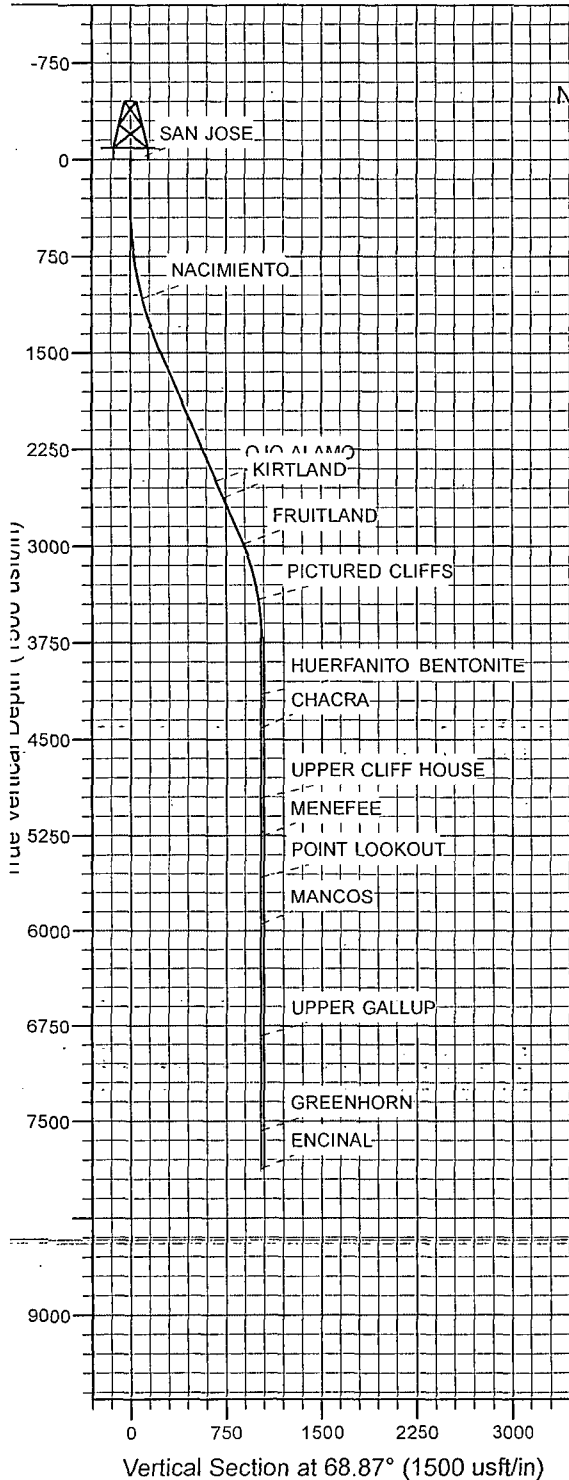
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 29-7 #84M PCP	0.00	0.00	7,872.0	370.3	958.2	2,093,028.01	593,228.13	36° 45' 6.097 N	107° 30' 54.388 W
- plan hits target center									
- Point									
SJ 29-7 #84M ICP	0.00	0.00	3,700.0	370.3	958.2	2,093,028.03	593,228.17	36° 45' 6.097 N	107° 30' 54.388 W
- plan hits target center									
- Point									

REFERENCE INFORMATION
 ELL @ 6512.0usft (Original Well Elev)
 Ground Elevation 6497.0
 Reference Lat: 36° 45' 2.435 N
 Reference Long: 107° 31' 6.161 W

Project: San Juan Basin - New Mexico West V
 Site: San Juan 29 Wells
 Well: SJ 29-7 #84M
 Wellbore: Wellbore #1
 Design: Design #1

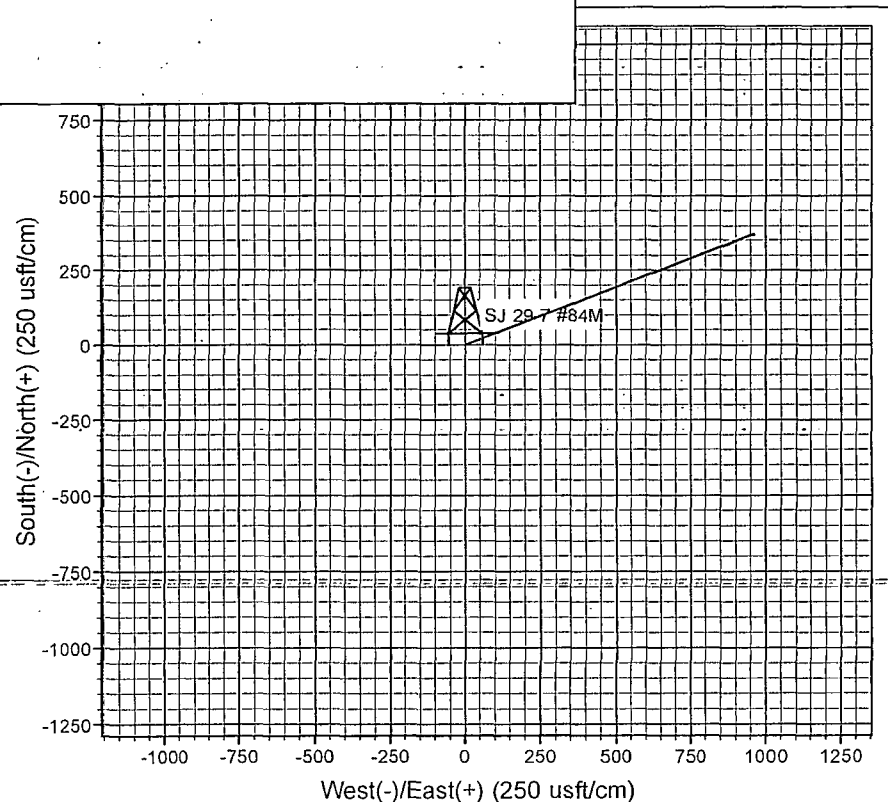
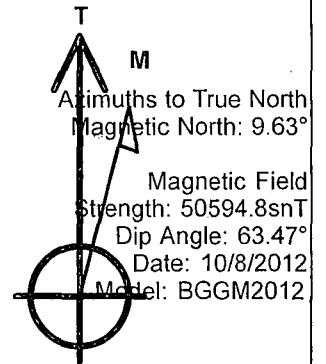
SECTION DETAILS

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	1529.2	23.58	68.87	1496.1	86.3	223.2	2.00	68.87	239.3	
4	3100.1	23.58	68.87	2935.9	312.8	809.4	0.00	0.00	867.8	
5	3886.2	0.00	0.00	3700.0	370.3	958.2	3.00	180.00	1027.3	SJ 29-7 #84M ICP
6	8058.2	0.00	0.00	7872.0	370.3	958.2	0.00	0.00	1027.3	SJ 29-7 #84M PCP



FORMATION TOP DETAILS

No formation data is available



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 29-7 UNIT 84M

1182' FSL & 1669' FEL (SURFACE)

1560' FSL & 710' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.7506826° N

LONGITUDE: 107.5189840° W

NAD 83

SECTION 1, T-29-N, R-7-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

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

TRAVEL EASTERLY 26.2 MILES ON U.S. HIGHWAY 64.

TURN LEFT AND TRAVEL NORTHERLY THROUGH THE "WEST GATE"
OF HODGESON RANCH 0.2 MILE.

TURN RIGHT AND TRAVEL NORTHEASTERLY TOWARDS CATTLE GUARD 0.1 MILE.

CONTINUE NORTHEASTERLY/NORTHERLY PAST CATTLE GUARD 0.7 MILE.

TURN RIGHT AND TRAVEL NORTHEASTERLY 0.4 MILE.

TURN RIGHT AND TRAVEL SOUTHEASTERLY TO A "Y" INTERSECTION 0.4 MILE.

BEAR RIGHT (PASS ABANDONED TRAILER/MOBILE HOME) AND

CONTINUE NORTHEASTERLY 0.8 MILE TO 3-WAY INTERSECTION.

BEAR RIGHT AND CONTINUE SOUTHEASTERLY 0.7 MILE TO A 3-WAY INTERSECTION.

TURN LEFT AND TRAVEL NORTHEASTERLY 0.6 MILE TO A 3-WAY INTERSECTION.

TURN LEFT AND TRAVEL WESTERLY/NORTHERLY 1.0 MILE

TO PROPOSED SAN JUAN 29-7 UNIT 84M WELL LOCATION.