

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 21 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

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-079522	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 NmNM-78411A-MV NmNM-78411B-DK San Juan 28-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name	
		9. Well Number 69N	RCVD AUG 25 '11 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit B (NWNE), 1238' FNL & 1518' FEL BHL: Unit A (NENE), 1170' FNL & 465' FEL Surface: Latitude: 36.62161° N (NAD83) Longitude: 107.36074° W BHL: Latitude: 36.62179° N (NAD83) Longitude: 107.35715° W	10. Field, Pool, Wildcat Blanco MV / Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T28N, R5W API# 30-039- 31074	
14. Distance in Miles from Nearest Town 35 miles from Blanco	12. County San Juan Rio Arriba	13. State NM	
15. Distance from Proposed Location to Nearest Property or Lease Line 1238'			
16. Acres in Lease 1590.590	17. Acres Assigned to Well MV - 320.00 acres N/2 DK - 325.00 acres E/2		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 53' from San Juan 28-5 Unit 52R (MV/DK)			
19. Proposed Depth 7870'	20. Rotary or Cable Tools Rotary		
21. Elevations (DF, FT, GR, Etc.) 6607' GL	22. Approx. Date Work will Start		
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Arleen R. Kellywood</u> Arleen R. Kellywood (Staff Regulatory Tech)	<u>6/21/11</u> Date		

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 any statement or presentation as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

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

AUG 30 2011 NMOC

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

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

Submit one copy to appropriate
District Office

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 31074	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7460	⁶ Property Name SAN JUAN 28-5 UNIT	⁵ Well Number 69N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6607'

¹⁰ Surface Location

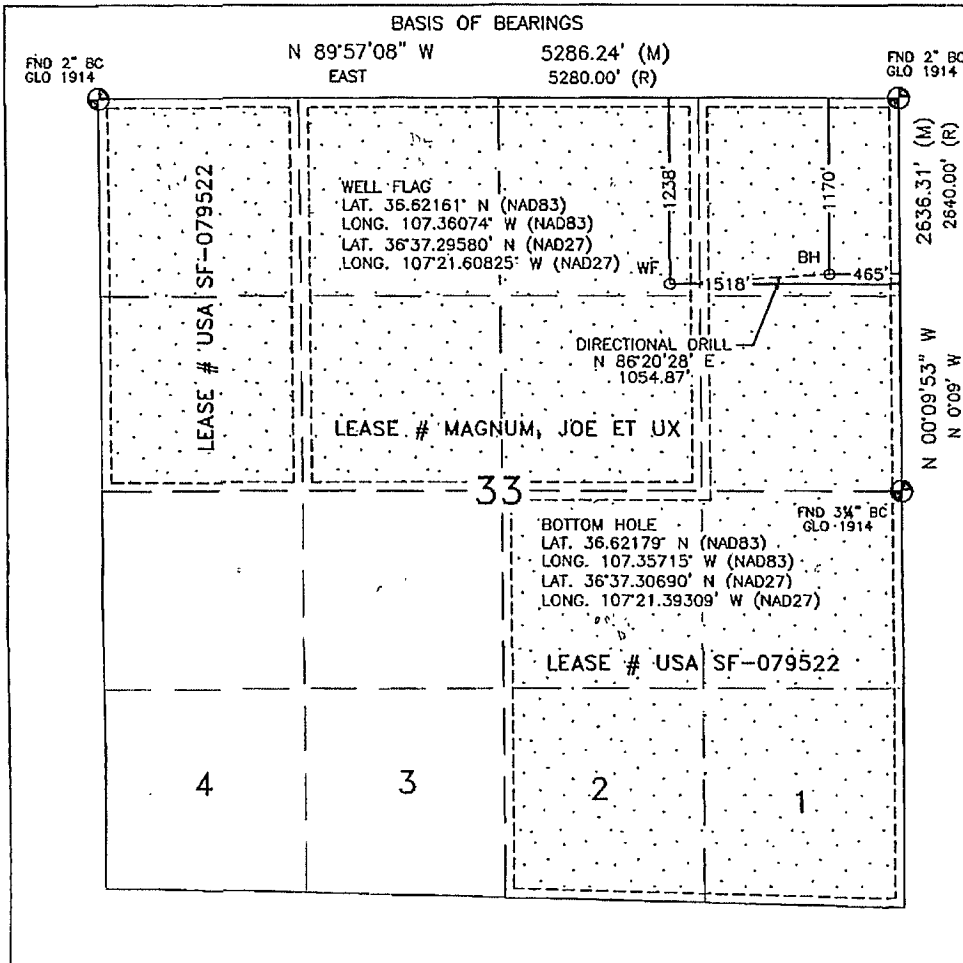
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	33	28N	5W		1238'	NORTH	1518'	EAST	RIO ARRIBA

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
A	33	28N	5W		1170'	NORTH	465'	EAST	RIO ARRIBA
¹² Dedicated Acres MV-320.00 ACRES N/2 DK-325.46 ACRES E/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

16



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 released 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Brandie Blakley Date 1/22/11

Printed Name Brandie Blakley 1/22/11

E-mail Address blaklbn@conocophillips.com

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 14, 2010

Date of Survey

Signature and Seal of Registered Surveyor:

DAVID RUSSELL
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 69N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0148				AFE \$: 725,970.00	
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)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.621601	Longitude: -107.360138	X:	Y:	Section: 33		Range: 005W	
Footage X: 1518 FEL	Footage Y: 1238 FNL	Elevation: 6607	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.621781	Longitude: -107.356549	X:	Y:	Section: 33		Range: 005W	
Footage X: 465 FEL	Footage Y: 1170 FNL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6622		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6422		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 144 cuft. Circulate cement to surface.
NACIMIENTO	1494	5128		☐			
OJO ALAMO	2758	3864		☐			
KIRTLAND	2945	3677		☐			
FRUITLAND	3057	3565		☐			Possible Gas
PICTURED CLIFFS	3446	3176		☐			
LEWIS	3552	3070		☐			
Intermediate Casing	3702	2920		☐	120		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 867 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4048	2574		☐			
CHACRA	4408	2214		☐			Est. Top Perf - 4410 (2212)
UPPER CLIFF HOUSE	5024	1598		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	5134	1488		☐	677		Gas
MENEFEE	5284	1338		☐			
POINT LOOKOUT	5612	1010		☐			
MANCOS	6136	486		☐			
UPPER GALLUP	6792	-170		☐			
GREENHORN	7540	-918		☐			
GRANEROS	7607	-985		☐			
TWO WELLS	7648	-1026		☐	1848		Gas
PAGUATE	7738	-1116		☐			
UPPER CUBERO	7752	-1130		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 69N

DEVELOPMENT

LOWER CUBERO	7792	-1170	☐	Est. Btm Perf - 7850 (- 1228) based on offset wells
OAK CANYON	7849	-1227	☐	
Total Depth	7870	-1248	☐	206 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 568 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7870	-1248	☐	TD - T/ENCN

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-5 Unit 44	28N 5W 27 SW SW
Production	SJ 28-5 Unit 65M	28N 5W 28 NE SW SE
Production	SJ 28-5 Unit 70M	28N 5W 34 NW NW
Production	SJ 28-5 Unit 69	28N 5W 33 NW NE
Production	SJ 28-5 Unit 68N	28N 5W 33 NE NE NW

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #69N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6622.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6622.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #69N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #69N		
Design:	Plan #1		

Project	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site	San Juan 28 Wells, Township 28				
Site Position:		Northing:	2,045,688.53ft	Latitude:	36° 36' 58.001 N
From:	Lat/Long	Easting:	147,261.04ft	Longitude:	107° 27' 6.935 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.72 °

Well	SJ 28-5 #69N, S-Curve Short					
Well Position	+N/-S	0.0 ft	Northing:	2,047,361.21 ft	Latitude:	36° 37' 17.748 N
	+E/-W	0.0 ft	Easting:	174,223.16 ft	Longitude:	107° 21' 36.495 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,607.0 ft

Wellbore	SJ 28-5 #69N				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	5/25/2011	9.70	63.47	50,719

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	86.34

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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,574.0	24.48	86.34	1,537.1	16.5	257.0	2.00	2.00	0.00	86.34	
3,083.2	24.48	86.34	2,910.6	56.4	881.1	0.00	0.00	0.00	0.00	
3,899.2	0.00	0.00	3,702.0	67.4	1,052.4	3.00	-3.00	0.00	180.00	SJ 28-5 #69N - ICP
8,067.2	0.00	0.00	7,870.0	67.4	1,052.4	0.00	0.00	0.00	0.00	SJ 28-5 #69N - PCI

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Central Wells
Site: San Juan 28 Wells
Well: SJ 28-5 #69N
Wellbore: SJ 28-5 #69N
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-5 #69N
TVD Reference: WELL @ 6622.0ft (Original Well Elev)
MD Reference: WELL @ 6622.0ft (Original Well Elev)
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
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	86.34	400.0	0.0	0.4	0.4	2.00	2.00	0.00
500.0	3.00	86.34	499.9	0.3	3.9	3.9	2.00	2.00	0.00
600.0	5.00	86.34	599.7	0.7	10.9	10.9	2.00	2.00	0.00
700.0	7.00	86.34	699.1	1.4	21.3	21.4	2.00	2.00	0.00
800.0	9.00	86.34	798.2	2.3	35.2	35.3	2.00	2.00	0.00
900.0	11.00	86.34	896.6	3.4	52.5	52.6	2.00	2.00	0.00
1,000.0	13.00	86.34	994.4	4.7	73.3	73.4	2.00	2.00	0.00
1,100.0	15.00	86.34	1,091.5	6.2	97.4	97.6	2.00	2.00	0.00
1,200.0	17.00	86.34	1,187.6	8.0	124.9	125.2	2.00	2.00	0.00
1,300.0	19.00	86.34	1,282.7	10.0	155.8	156.1	2.00	2.00	0.00
1,400.0	21.00	86.34	1,376.6	12.2	189.9	190.3	2.00	2.00	0.00
1,500.0	23.00	86.34	1,469.4	14.5	227.3	227.7	2.00	2.00	0.00
1,526.8	23.54	86.34	1,494.0	15.2	237.8	238.3	2.00	2.00	0.00
Nacimiento									
1,574.0	24.48	86.34	1,537.1	16.5	257.0	257.5	2.00	2.00	0.00
1,600.0	24.48	86.34	1,560.8	17.1	267.8	268.3	0.00	0.00	0.00
1,700.0	24.48	86.34	1,651.8	19.8	309.1	309.7	0.00	0.00	0.00
1,800.0	24.48	86.34	1,742.8	22.4	350.5	351.2	0.00	0.00	0.00
1,900.0	24.48	86.34	1,833.8	25.1	391.8	392.6	0.00	0.00	0.00
2,000.0	24.48	86.34	1,924.8	27.7	433.2	434.1	0.00	0.00	0.00
2,100.0	24.48	86.34	2,015.8	30.4	474.5	475.5	0.00	0.00	0.00
2,200.0	24.48	86.34	2,106.8	33.0	515.9	516.9	0.00	0.00	0.00
2,300.0	24.48	86.34	2,197.8	35.7	557.2	558.4	0.00	0.00	0.00
2,400.0	24.48	86.34	2,288.8	38.3	598.6	599.8	0.00	0.00	0.00
2,500.0	24.48	86.34	2,379.9	41.0	639.9	641.2	0.00	0.00	0.00
2,600.0	24.48	86.34	2,470.9	43.6	681.3	682.7	0.00	0.00	0.00
2,700.0	24.48	86.34	2,561.9	46.3	722.6	724.1	0.00	0.00	0.00
2,800.0	24.48	86.34	2,652.9	48.9	764.0	765.5	0.00	0.00	0.00
2,900.0	24.48	86.34	2,743.9	51.6	805.3	807.0	0.00	0.00	0.00
2,915.5	24.48	86.34	2,758.0	52.0	811.7	813.4	0.00	0.00	0.00
Ojo Alamo									
3,000.0	24.48	86.34	2,834.9	54.2	846.7	848.4	0.00	0.00	0.00
3,083.2	24.48	86.34	2,910.6	56.4	881.1	882.9	0.00	0.00	0.00
3,100.0	23.97	86.34	2,926.0	56.8	888.0	889.8	3.00	-3.00	0.00
3,120.8	23.35	86.34	2,945.0	57.4	896.3	898.1	3.00	-3.00	0.00
Kirtland									
3,200.0	20.97	86.34	3,018.3	59.3	926.1	928.0	3.00	-3.00	0.00
3,241.2	19.74	86.34	3,057.0	60.2	940.4	942.4	3.00	-3.00	0.00
Fruitland									
3,300.0	17.97	86.34	3,112.6	61.4	959.4	961.4	3.00	-3.00	0.00
3,400.0	14.97	86.34	3,208.5	63.2	987.7	989.7	3.00	-3.00	0.00
3,500.0	11.97	86.34	3,305.7	64.7	1,010.9	1,013.0	3.00	-3.00	0.00
3,600.0	8.97	86.34	3,404.1	65.9	1,029.1	1,031.2	3.00	-3.00	0.00
3,642.4	7.70	86.34	3,446.0	66.3	1,035.2	1,037.3	3.00	-3.00	0.00
Pictured Cliffs									
3,700.0	5.97	86.34	3,503.2	66.7	1,042.1	1,044.2	3.00	-3.00	0.00
3,749.0	4.50	86.34	3,552.0	67.0	1,046.5	1,048.7	3.00	-3.00	0.00
Lewis									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #69N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6622.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6622.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #69N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #69N		
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)	
3,800.0	2.97	86.34	3,602.9	67.2	1,049.8	1,052.0	3.00	-3.00	0.00	
3,899.2	0.00	0.00	3,702.0	67.4	1,052.4	1,054.6	3.00	-3.00	0.00	
TD Intermediate - SJ 28-5 #69N - ICP										
3,900.0	0.00	0.00	3,702.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,802.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,100.0	0.00	0.00	3,902.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,002.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,245.2	0.00	0.00	4,048.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Huerf. Bent.										
4,300.0	0.00	0.00	4,102.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,202.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,302.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,402.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,605.2	0.00	0.00	4,408.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Chacra										
4,700.0	0.00	0.00	4,502.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,602.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,702.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,802.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,902.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,002.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,221.2	0.00	0.00	5,024.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Upper Cliffhouse										
5,300.0	0.00	0.00	5,102.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,331.2	0.00	0.00	5,134.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Massive Cliffhouse										
5,400.0	0.00	0.00	5,202.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,481.2	0.00	0.00	5,284.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Menefee										
5,500.0	0.00	0.00	5,302.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,402.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,502.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,602.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
5,809.2	0.00	0.00	5,612.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Pt. Lookout										
5,900.0	0.00	0.00	5,702.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,802.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,902.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,002.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,102.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,333.2	0.00	0.00	6,136.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Mancos										
6,400.0	0.00	0.00	6,202.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,302.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,402.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,502.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,602.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,702.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
6,989.2	0.00	0.00	6,792.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
Gallup										
7,000.0	0.00	0.00	6,802.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,902.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #69N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6622.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6622.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #69N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #69N		
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)
7,200.0	0.00	0.00	7,002.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,102.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,202.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,302.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,402.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,502.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,737.2	0.00	0.00	7,540.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Greenhorn									
7,800.0	0.00	0.00	7,602.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,804.2	0.00	0.00	7,607.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Graneros									
7,845.2	0.00	0.00	7,648.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Two Wells									
7,900.0	0.00	0.00	7,702.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
7,935.2	0.00	0.00	7,738.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Paguate									
7,949.2	0.00	0.00	7,752.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Upper Cubero									
7,989.2	0.00	0.00	7,792.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,802.8	67.4	1,052.4	1,054.6	0.00	0.00	0.00
8,046.2	0.00	0.00	7,849.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Oak Canyon									
8,067.2	0.00	0.00	7,870.0	67.4	1,052.4	1,054.6	0.00	0.00	0.00
Production TD - SJ 28-5 #69N - 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									
SJ 28-5 #69N - ICP	0.00	0.00	3,702.0	67.4	1,052.4	2,047,416.41	175,276.31	36° 37' 18.414 N	107° 21' 23.585 W
- plan hits target center									
- Point									
SJ 28-5 #69N - PCP	0.00	0.00	7,870.0	67.4	1,052.4	2,047,416.44	175,276.30	36° 37' 18.414 N	107° 21' 23.586 W
- plan hits target center									
- Point									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #69N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6622.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6622.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #69N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #69N		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,526.8	1,494.0	Nacimiento		0.00	
7,949.2	7,752.0	Upper Cubero		0.00	
7,935.2	7,738.0	Paguate		0.00	
3,749.0	3,552.0	Lewis		0.00	
6,333.2	6,136.0	Mancos		0.00	
3,120.8	2,945.0	Kirtland		0.00	
2,915.5	2,758.0	Ojo Alamo		0.00	
7,845.2	7,648.0	Two Wells		0.00	
4,605.2	4,408.0	Chacra		0.00	
6,989.2	6,792.0	Gallup		0.00	
5,331.2	5,134.0	Massive Cliffhouse		0.00	
7,737.2	7,540.0	Greenhorn		0.00	
5,221.2	5,024.0	Upper Cliffhouse		0.00	
5,809.2	5,612.0	Pt. Lookout		0.00	
4,245.2	4,048.0	Huerf. Bent.		0.00	
7,804.2	7,607.0	Graneros		0.00	
7,989.2	7,792.0	Lower Cubero		0.00	
5,481.2	5,284.0	Menefee		0.00	
3,241.2	3,057.0	Fruitland		0.00	
8,046.2	7,849.0	Oak Canyon		0.00	
3,899.2	3,702.0	TD Intermediate		0.00	
3,642.4	3,446.0	Pictured Cliffs		0.00	
8,067.2	7,870.0	Production TD		0.00	

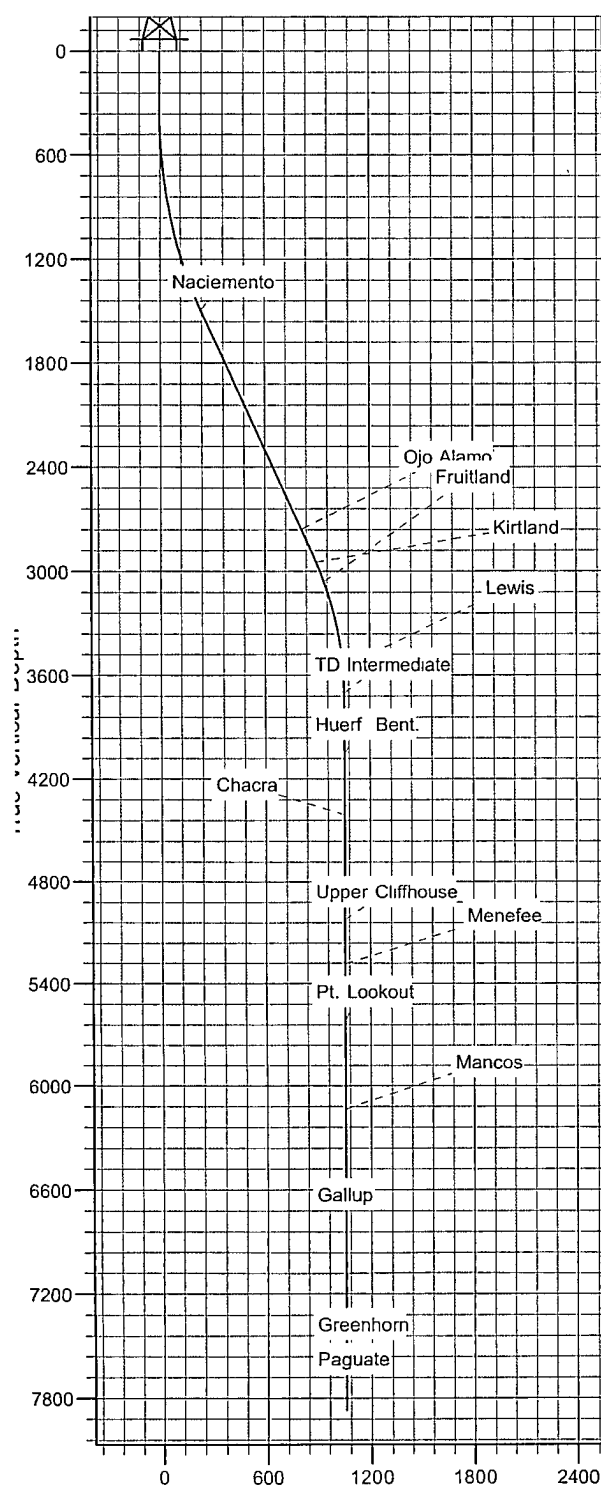
Well @ 6622.0ft (Original Well Elev)
 Ground Elevation 6607.0
 Reference Lat: 36° 37' 17.748 N
 Reference Long: 107° 21' 36.495 W

Project: San Juan Basin - New Mexico Central
 Site: San Juan 28 Wells
 Well: SJ 28-5 #69N
 Wellbore: SJ 28-5 #69N
 Design: Plan #1

ConocoPhillips

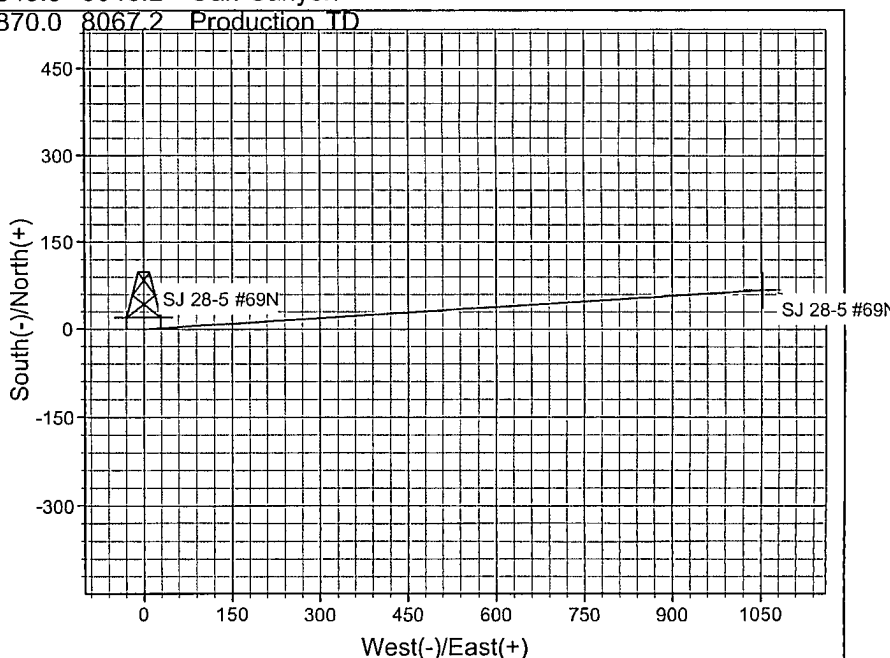
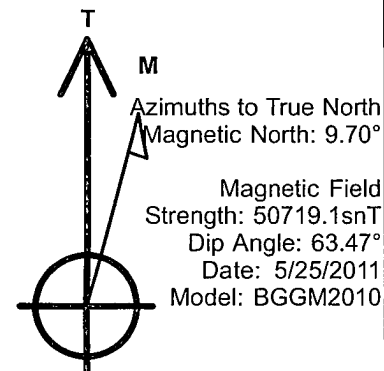
SECTION DETAILS

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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1574.0	24.48	86.34	1537.1	16.5	257.0	2.00	86.34	257.5	
4	3083.2	24.48	86.34	2910.6	56.4	881.1	0.00	0.00	882.9	
5	3899.2	0.00	0.00	3702.0	67.4	1052.4	3.00	180.00	1054.6	SJ 28-5 #69N - ICP
6	8067.2	0.00	0.00	7870.0	67.4	1052.4	0.00	0.00	1054.6	SJ 28-5 #69N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1494.0	1526.8	Nacimiento
2758.0	2915.5	Ojo Alamo
2945.0	3120.8	Kirtland
3057.0	3241.2	Fruitland
3446.0	3642.4	Pictured Cliffs
3552.0	3749.0	Lewis
3702.0	3899.2	TD Intermediate
4048.0	4245.2	Huerf. Bent.
4408.0	4605.2	Chacra
5024.0	5221.2	Upper Cliffhouse
5134.0	5331.2	Massive Cliffhouse
5284.0	5481.2	Menefee
5612.0	5809.2	Pt. Lookout
6136.0	6333.2	Mancos
6792.0	6989.2	Gallup
7540.0	7737.2	Greenhorn
7607.0	7804.2	Graneros
7648.0	7845.2	Two Wells
7738.0	7935.2	Paguate
7752.0	7949.2	Upper Cubero
7792.0	7989.2	Lower Cubero
7849.0	8046.2	Oak Canyon
7870.0	8067.2	Production TD



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-5 UNIT #69N

1238' FNL & 1518' FEL

LOCATED IN THE NW/4 NE/4 OF SECTION 33,

T28N, R5W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HWY 64 FOR APPROX. 28 MILES TO THE GOBERNADOR TURN-OFF.
- 2) TURN RIGHT AND TRAVEL 1.1 MILES TO AMERICAN GENERAL ROAD.
- 3) TURN RIGHT AND TRAVEL 3.3 MILES TO A 4-WAY INTERSECTION.
- 4) TURN LEFT AND TRAVEL 1.4 MILES TO A "Y" INTERSECTION.
- 5) STAY RIGHT AND TRAVEL 0.6 MILES.
- 6) TURN LEFT AND TRAVEL 0.4 MILES TO THE EXISTING WELL LOCATION.

WELL FLAG LOCATED AT LAT. 36.62161° N, LONG. 107.36074° W (NAD 83).