

RECEIVED

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 09 2012

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land ManagementFile Serial No. **SF-080505****SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other

San Juan 28-5 Unit

8 Well Name and No.

San Juan 28-5 Unit 59N

2. Name of Operator

Burlington Resources Oil & Gas Company LP

9 API Well No.

30-039-30634

3a. Address

PO Box 4289, Farmington, NM 87499

3b Phone No (include area code)

(505) 326-9700

10. Field and Pool or Exploratory Area

Blanco MV

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Unit C (NENW), 860' FNL & 1565' FWL, Section 30, T28N, R5W

Bottomhole Unit E (SWNE), 2045' FNL & 710' FWL, Section 30, T28N, R5W

11. Country or Parish, State

Rio Arriba, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drop DK
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Formation
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Burlington Resources Oil & Gas requests permission to remove the Basin Dakota formation from this well. Attached is a revised plat, project proposal and directional drill plan.

RCUD APR 17 '12

OIL CONS. DIV.

DIST. 3

Hold C104

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

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Arleen Kellywood

Staff Regulatory Tech

Title

Signature

Arleen Kellywood

Date

4/5/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Shirley C. Veld

Title PE

Date 4/10/12

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter.

(Instruction on page 2)

NMOC

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PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 59N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7457		AFE \$: 1,567,443.50	
Field Name: SAN JUAN 28-5 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Directional:	
Latitude: 36.637136	Longitude: -107.403590	X:	Y:	Section: 30	Range: 005W
Footage X: 1565 FWL	Footage Y: 860 FNL	Elevation: 6578	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Directional:	
Latitude: 36.633882	Longitude: -107.406507	X:	Y:	Section: 30	Range: 005W
Footage X: 710 FWL	Footage Y: 2045 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2012	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6591	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	203	6388		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.
OJO ALAMO	2681	3910		☐			
KIRTLAND	2833	3758		☐			
FRUITLAND	2954	3637		☐			Possible Gas
PICTURED CLIFFS	3401	3190		☐			
LEWIS	3533	3058		☐			
HUERFANITO BENTONITE	3996	2595		☐			
CHACRA	4349	2242		☐			
Intermediate Casing	4500	2091		☐			8 3/4" Hole. 7", 23 ppf, J-55, STC Casing. Cement with 1079 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	5158	1433		☐	609		Gas
MENEFEE	5219	1372		☐			
POINT LOOKOUT	5546	1045		☐			
Total Depth	6025	566		☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC casing. Cement w/ 455 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 59N

DEVELOPMENT

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
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Bottom perf 100' above TD.

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

ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

San Juan 28 Wells

SJ 28-5 #59N

Principal

Plan: Plan #2 MV ONLY

Standard Planning Report

05 April, 2012

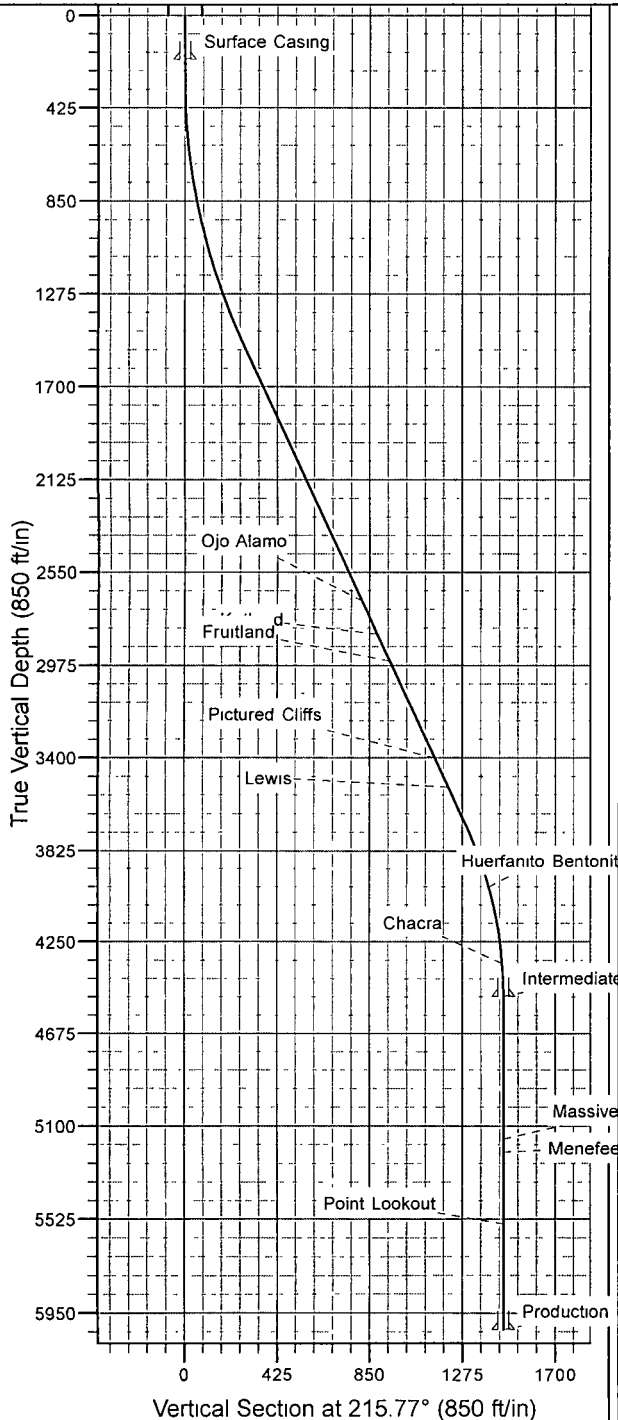
REFERENCE INFORMATION

WELL @ 6591.0ft (Original Well Elev)
Ground Elevation 6576.0
Reference Lat: 36° 38' 13.698 N
Reference Long: 107° 24' 12.930 W

Project: San Juan Basin - New Mexico West W
Site: San Juan 28 Wells
Well: SJ 28-5 #59N
Wellbore: Principal
Design: Plan #2 MV ONLY

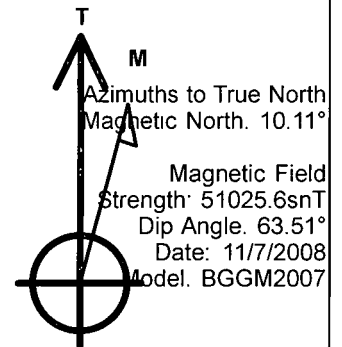
SECTION DETAILS

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	290.0	0.00	0.00	290.0	0.0	0.0	0.00	0.00	0.0	
3	1533.5	24.87	215.77	1494.8	-215.5	-155.3	2.00	215.77	265.6	
4	3960.5	24.87	215.77	3696.8	-1043.8	-751.8	0.00	0.00	1286.4	
5	4789.5	0.00	0.00	4500.0	-1187.5	-855.4	3.00	180.00	1463.5	SJ 29-5 #59N ICP
6	6314.5	0.00	0.00	6025.0	-1187.5	-855.4	0.00	0.00	1463.5	SJ 29-5 #59N MV ONLY TD



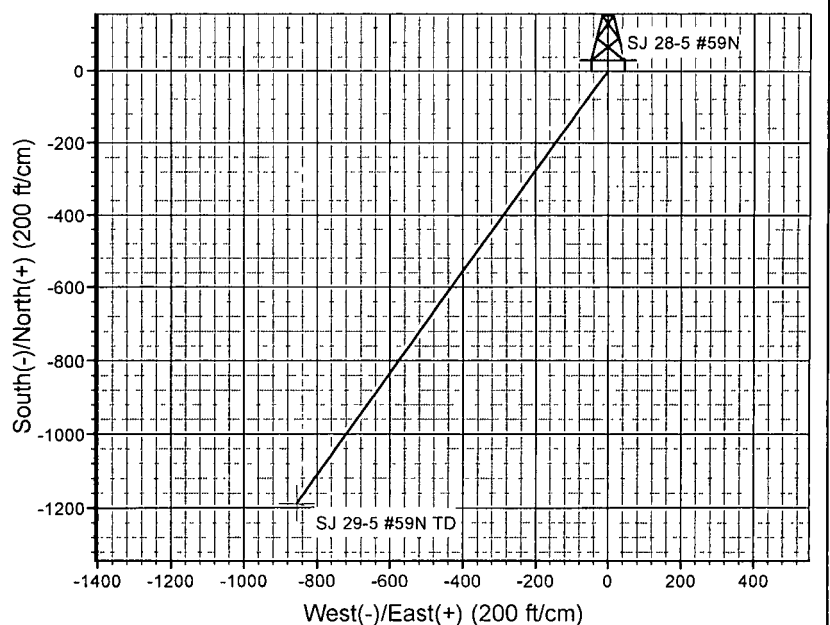
FORMATION TOP DETAILS

TVDP	MD	Path	Formation
2681.0	2840.9		Ojo Alamo
2833.0	3008.5		Kirtland
2954.0	3141.8		Fruitland
3401.0	3634.5		Pictured Cliffs
3533.0	3780.0		Lewis
3996.0	4279.5		Huerfano Bentonite
4349.0	4638.4		Chacra
5158.0	5447.5		Massive Cliffhouse
5219.0	5508.5		Menefee
5546.0	5835.5		Point Lookout



RCVD APR 19 '12
OIL CONS. DIV.

DIST. 3



ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning Company: ConocoPhillips SJBU Project: San Juan Basin - New Mexico West Wells Site: San Juan 28 Wells Well: SJ 28-5 #59N Wellbore: Principal Design: Plan #2 MV ONLY	Local Co-ordinate Reference: Well SJ 28-5 #59N TVD Reference: WELL @ 6591.0ft (Original Well Elev) MD Reference: WELL @ 6591.0ft (Original Well Elev) North Reference: True Survey Calculation Method: Minimum Curvature
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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 28 Wells			
Site Position:	Northing:	2,042,566.26 ft	Latitude:
From: Lat/Long	Easting:	563,690.29 ft	Longitude:
Position Uncertainty: 15.0 ft	Slot Radius: "		Grid Convergence: 0.13 °

Well: SJ 28-5 #59N			
Well Position	Northing:	2,051,452.41 ft	Latitude:
+N/-S 0.0 ft	Easting:	626,085.23 ft	Longitude:
+E/-W 0.0 ft	Wellhead Elevation:	ft	Ground Level: 6,576.0 ft
Position Uncertainty 15.0 ft			

Wellbore: Principal

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	11/7/2008	10.11	63.51	51,026

Design: Plan #2 MV ONLY

Audit Notes:

Version:	Phase: PROTOTYPE	Tie On Depth: 0.0	
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Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	215.77

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	
290.0	0.00	0.00	290.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,533.5	24.87	215.77	1,494.8	-215.5	-155.3	2.00	2.00	0.00	215.77	
3,960.5	24.87	215.77	3,696.8	-1,043.8	-751.8	0.00	0.00	0.00	0.00	
4,789.5	0.00	0.00	4,500.0	-1,187.5	-855.4	3.00	-3.00	0.00	180.00	SJ 29-5 #59N ICP
6,314.5	0.00	0.00	6,025.0	-1,187.5	-855.4	0.00	0.00	0.00	0.00	SJ 29-5 #59N MV C

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 28 Wells
 Well: SJ 28-5 #59N
 Wellbore: Principal
 Design: Plan #2 MV ONLY

Local Co-ordinate Reference: Well SJ 28-5 #59N
 TVD Reference: WELL @ 6591.0ft (Original Well Elev)
 MD Reference: WELL @ 6591.0ft (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
203.0	0.00	0.00	203.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casing									
290.0	0.00	0.00	290.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.20	215.77	300.0	0.0	0.0	0.0	2.00	2.00	0.00
400.0	2.20	215.77	400.0	-1.7	-1.2	2.1	2.00	2.00	0.00
500.0	4.20	215.77	499.8	-6.2	-4.5	7.7	2.00	2.00	0.00
600.0	6.20	215.77	599.4	-13.6	-9.8	16.8	2.00	2.00	0.00
700.0	8.20	215.77	698.6	-23.8	-17.1	29.3	2.00	2.00	0.00
800.0	10.20	215.77	797.3	-36.7	-26.5	45.3	2.00	2.00	0.00
900.0	12.20	215.77	895.4	-52.5	-37.8	64.7	2.00	2.00	0.00
1,000.0	14.20	215.77	992.8	-71.0	-51.2	87.5	2.00	2.00	0.00
1,100.0	16.20	215.77	1,089.3	-92.3	-66.5	113.8	2.00	2.00	0.00
1,200.0	18.20	215.77	1,184.8	-116.3	-83.8	143.3	2.00	2.00	0.00
1,300.0	20.20	215.77	1,279.2	-143.0	-103.0	176.2	2.00	2.00	0.00
1,400.0	22.20	215.77	1,372.4	-172.3	-124.1	212.4	2.00	2.00	0.00
1,500.0	24.20	215.77	1,464.3	-204.3	-147.1	251.8	2.00	2.00	0.00
1,533.5	24.87	215.77	1,494.8	-215.5	-155.3	265.6	2.00	2.00	0.00
1,600.0	24.87	215.77	1,555.2	-238.3	-171.6	293.6	0.00	0.00	0.00
1,700.0	24.87	215.77	1,645.9	-272.4	-196.2	335.7	0.00	0.00	0.00
1,800.0	24.87	215.77	1,736.6	-306.5	-220.8	377.7	0.00	0.00	0.00
1,900.0	24.87	215.77	1,827.3	-340.6	-245.4	419.8	0.00	0.00	0.00
2,000.0	24.87	215.77	1,918.1	-374.8	-269.9	461.9	0.00	0.00	0.00
2,100.0	24.87	215.77	2,008.8	-408.9	-294.5	503.9	0.00	0.00	0.00
2,200.0	24.87	215.77	2,099.5	-443.0	-319.1	546.0	0.00	0.00	0.00
2,300.0	24.87	215.77	2,190.2	-477.1	-343.7	588.0	0.00	0.00	0.00
2,400.0	24.87	215.77	2,281.0	-511.2	-368.3	630.1	0.00	0.00	0.00
2,500.0	24.87	215.77	2,371.7	-545.4	-392.8	672.1	0.00	0.00	0.00
2,600.0	24.87	215.77	2,462.4	-579.5	-417.4	714.2	0.00	0.00	0.00
2,700.0	24.87	215.77	2,553.1	-613.6	-442.0	756.2	0.00	0.00	0.00
2,800.0	24.87	215.77	2,643.9	-647.7	-466.6	798.3	0.00	0.00	0.00
2,840.9	24.87	215.77	2,681.0	-661.7	-476.6	815.5	0.00	0.00	0.00
Ojo Alamo									
2,900.0	24.87	215.77	2,734.6	-681.9	-491.2	840.3	0.00	0.00	0.00
3,000.0	24.87	215.77	2,825.3	-716.0	-515.7	882.4	0.00	0.00	0.00
3,008.5	24.87	215.77	2,833.0	-718.9	-517.8	886.0	0.00	0.00	0.00
Kirtland									
3,100.0	24.87	215.77	2,916.1	-750.1	-540.3	924.5	0.00	0.00	0.00
3,141.8	24.87	215.77	2,954.0	-764.4	-550.6	942.0	0.00	0.00	0.00
Fruitland									
3,200.0	24.87	215.77	3,006.8	-784.2	-564.9	966.5	0.00	0.00	0.00
3,300.0	24.87	215.77	3,097.5	-818.4	-589.5	1,008.6	0.00	0.00	0.00
3,400.0	24.87	215.77	3,188.2	-852.5	-614.1	1,050.6	0.00	0.00	0.00
3,500.0	24.87	215.77	3,279.0	-886.6	-638.6	1,092.7	0.00	0.00	0.00
3,600.0	24.87	215.77	3,369.7	-920.7	-663.2	1,134.7	0.00	0.00	0.00
3,634.5	24.87	215.77	3,401.0	-932.5	-671.7	1,149.2	0.00	0.00	0.00
Pictured Cliffs									
3,700.0	24.87	215.77	3,460.4	-954.8	-687.8	1,176.8	0.00	0.00	0.00
3,780.0	24.87	215.77	3,533.0	-982.1	-707.5	1,210.4	0.00	0.00	0.00
Lewis									
3,800.0	24.87	215.77	3,551.1	-989.0	-712.4	1,218.8	0.00	0.00	0.00

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Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 28 Wells
 Well: SJ 28-5 #59N
 Wellbore: Principal
 Design: Plan #2 MV ONLY

Local Co-ordinate Reference: Well SJ 28-5 #59N
 TVD Reference: WELL @ 6591.0ft (Original Well Elev)
 MD Reference: WELL @ 6591.0ft (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)
3,900.0	24.87	215.77	3,641.9	-1,023.1	-737.0	1,260.9	0.00	0.00	0.00
3,960.5	24.87	215.77	3,696.8	-1,043.8	-751.8	1,286.4	0.00	0.00	0.00
4,000.0	23.69	215.77	3,732.8	-1,056.9	-761.3	1,302.6	3.00	-3.00	0.00
4,100.0	20.69	215.77	3,825.4	-1,087.6	-783.4	1,340.3	3.00	-3.00	0.00
4,200.0	17.69	215.77	3,919.8	-1,114.2	-802.6	1,373.2	3.00	-3.00	0.00
4,279.5	15.30	215.77	3,996.0	-1,132.5	-815.8	1,395.8	3.00	-3.00	0.00
Huerfanito Bentonite									
4,300.0	14.69	215.77	4,015.8	-1,136.8	-818.9	1,401.1	3.00	-3.00	0.00
4,400.0	11.69	215.77	4,113.2	-1,155.3	-832.2	1,423.9	3.00	-3.00	0.00
4,500.0	8.69	215.77	4,211.6	-1,169.7	-842.6	1,441.5	3.00	-3.00	0.00
4,600.0	5.69	215.77	4,310.8	-1,179.8	-849.9	1,454.1	3.00	-3.00	0.00
4,638.4	4.53	215.77	4,349.0	-1,182.6	-851.9	1,457.5	3.00	-3.00	0.00
Chacra									
4,700.0	2.69	215.77	4,410.5	-1,185.8	-854.1	1,461.4	3.00	-3.00	0.00
4,789.5	0.00	0.00	4,500.0	-1,187.5	-855.4	1,463.5	3.00	-3.00	0.00
Intermediate Casing									
4,800.0	0.00	0.00	4,510.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
4,900.0	0.00	0.00	4,610.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,000.0	0.00	0.00	4,710.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,100.0	0.00	0.00	4,810.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,200.0	0.00	0.00	4,910.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,010.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,110.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,447.5	0.00	0.00	5,158.0	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
Massive Cliffhouse									
5,500.0	0.00	0.00	5,210.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,508.5	0.00	0.00	5,219.0	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
Menefee									
5,600.0	0.00	0.00	5,310.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,410.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,510.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
5,835.5	0.00	0.00	5,546.0	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,610.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,710.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
6,100.0	0.00	0.00	5,810.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
6,200.0	0.00	0.00	5,910.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,010.5	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
6,314.5	0.00	0.00	6,025.0	-1,187.5	-855.4	1,463.5	0.00	0.00	0.00
Production Casing									

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 28 Wells
Well: SJ 28-5 #59N
Wellbore: Principal
Design: Plan #2 MV ONLY

Local Co-ordinate Reference: Well SJ 28-5 #59N
TVD Reference: WELL @ 6591.0ft (Original Well Elev)
MD Reference: WELL @ 6591.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 29-5 #59N TD - plan misses target center by 1797.0ft at 6314.5ft MD (6025.0 TVD, -1187.5 N, -855.4 E) - Point	0.00	0.00	7,822.0	-1,187.5	-855.4	2,050,261.22	625,235.25	36° 38' 1.956 N	107° 24' 23.424 W
SJ 29-5 #59N MV ON - plan hits target center - Point	0.00	0.00	6,025.0	-1,187.5	-855.4	2,050,261.22	625,235.25	36° 38' 1.956 N	107° 24' 23.424 W
SJ 29-5 #59N ICP - plan hits target center - Point	0.00	0.00	4,500.0	-1,187.5	-855.4	2,050,261.22	625,235.25	36° 38' 1.956 N	107° 24' 23.424 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
203.0	203.0	Surface Casing	9-5/8	12-1/4
4,789.5	4,500.0	Intermediate Casing	7	8-3/4
6,314.5	6,025.0	Production Casing	4-1/2	6-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,141.8	2,954.0	Fruitland		0.00	
5,835.5	5,546.0	Point Lookout		0.00	
3,780.0	3,533.0	Lewis		0.00	
4,638.4	4,349.0	Chacra		0.00	
4,279.5	3,996.0	Huerfanito Bentonite		0.00	
3,634.5	3,401.0	Pictured Cliffs		0.00	
2,840.9	2,681.0	Ojo Alamo		0.00	
3,008.5	2,833.0	Kirtland		0.00	
5,447.5	5,158.0	Massive Cliffhouse		0.00	
5,508.5	5,219.0	Menefee		0.00	