

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

APR 09 2014

5. Lease Serial No.

SF-079521

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Burlington Resources Oil & Gas Company LP

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

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

San Juan 28-5 Unit

8. Well Name and No.

San Juan 28-5 Unit 56N

9. API Well No.

30-039-31088

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

Surface UNIT I (NESE), 1882' FSL & 38' FEL, Sec. 31, T28N, R5W

Bottomhole UNIT L (NWSW), 2200' FSL & 215' FWL, Sec. 32, 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 <u>Project Proposal</u>
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>Updated</u>
	☐ 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.)

Attached please find the current Project Proposal for subject well. Please note that the setting depths have changed slightly for the Intermediate Casing and TD.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations

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

OIL CONS. DIV DIST. 3

APR 22 2014

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

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature

Denise Journey

Date

4/8/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

William Tambekou

Petroleum Engineer

Title

Date

4/18/2014

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 within its jurisdiction.

(Instruction on page 2)

NMOCDA

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PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-5 UNIT 56N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.3043				AFE \$:	
Field Name: SAN JUAN		Rig: 2014 Pushing Rig		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.615711	Longitude: -107.391055	X:	Y:	Section: 31		Range: 005W	
Footage X: 38 FEL	Footage Y: 1882 FSL	Elevation: 6525 (FT)		Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Straight Hole							
Latitude: 36.616584	Longitude: -107.390191	X:	Y:	Section: 32		Range: 005W	
Footage X: 215 FWL	Footage Y: 2200 FSL	Elevation:		(FT) Township: 028N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6540 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	0	6540		☐			Surface geology
Surface Casing	200	6340		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 112 cuft. Circulate cement to surface.
NACIMIENTO	1403	5137		☐			
OJO ALAMO	2631	3909		☐			
KIRTLAND	2805	3735		☐			
FRUITLAND	2916	3624		☐			Possible Gas
PICTURED CLIFFS	3349	3191		☐			
LEWIS	3529	3011		☐			
Intermediate Casing	3639	2901		☐	115		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 832 cuft. Circulate cement to surface.
CHACRA	4292	2248		☐			
UPPER CLIFF HOUSE	4903	1637		☐			
MASSIVE CLIFF HOUSE	5023	1517		☐	663		Gas
MENEFEE	5181	1359		☐			
POINT LOOKOUT	5546	994		☐			
MANCOS	6017	523		☐			
UPPER GALLUP	6690	-150		☐			
GREENHORN	7439	-899		☐			
GRANEROS	7494	-954		☐			
TWO WELLS	7537	-997		☐	1943		Gas
PAGUATE	7623	-1083		☐			
UPPER CUBERO	7644	-1104		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 56N

DEVELOPMENT

LOWER CUBERO	7683	-1143	☐	
ENCINAL	7766	-1226	☐	TD at the top of Encinal. Est TD 15' from TD.
Total Depth	7766 7777	-1226	☐	201 6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/ 540 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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Mud log from ~100' above the Gallup to TD. Mud loggers will call final TD.

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

ConocoPhillips SJB

San Juan Basin - New Mexico Central Wells

San Juan 28 Wells

SJ 28-5 56N

SJ 28-5 56N

Plan: Plan #1

Standard Planning Report

20 September, 2011

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 56N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6540.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6540.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 56N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 56N		
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		
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Site Position:		Northing:	2,045,688.53 ft	Latitude:	36° 36' 58.001 N
From:	Lat/Long	Easting:	147,261.04 ft	Longitude:	107° 27' 6.935 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.72 °

Well:	SJ 28-5 56N, Directional, S Curve, Short				
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Well Position	+N/-S	0.0 ft	Northing:	2,045,325.17 ft	Latitude:	36° 36' 56.563 N
	+E/-W	0.0 ft	Easting:	165,124.63 ft	Longitude:	107° 23' 27.796 W
Position Uncertainty		3.0 ft	Wellhead Elevation:	ft	Ground Level:	6,525.0 ft

Wellbore	SJ 28-5 56N				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/20/2011	9.67	63.45	50,677

Design	Plan #1				
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Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	38.63

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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,762.0	21.24	38.63	2,737.8	152.0	121.5	2.00	2.00	0.00	38.63	
2,986.5	21.24	38.63	2,947.1	215.6	172.3	0.00	0.00	0.00	0.00	
3,694.5	0.00	0.00	3,639.0	316.9	253.2	3.00	-3.00	0.00	180.00	SJ 28-5 56N ICP
7,832.5	0.00	0.00	7,777.0	316.9	253.2	0.00	0.00	0.00	0.00	SJ 28-5 56N PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ28-5.56N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6540.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6540.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5.56N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5.56N		
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)
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
Surface									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,403.0	0.00	0.00	1,403.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	2.00	38.63	1,800.0	1.4	1.1	1.7	2.00	2.00	0.00
1,900.0	4.00	38.63	1,899.8	5.5	4.4	7.0	2.00	2.00	0.00
2,000.0	6.00	38.63	1,999.5	12.3	9.8	15.7	2.00	2.00	0.00
2,100.0	8.00	38.63	2,098.7	21.8	17.4	27.9	2.00	2.00	0.00
2,200.0	10.00	38.63	2,197.5	34.0	27.2	43.5	2.00	2.00	0.00
2,300.0	12.00	38.63	2,295.6	48.9	39.1	62.6	2.00	2.00	0.00
2,400.0	14.00	38.63	2,393.1	66.5	53.1	85.1	2.00	2.00	0.00
2,500.0	16.00	38.63	2,489.6	86.7	69.3	111.0	2.00	2.00	0.00
2,600.0	18.00	38.63	2,585.3	109.5	87.5	140.2	2.00	2.00	0.00
2,648.2	18.96	38.63	2,631.0	121.5	97.1	155.5	2.00	2.00	0.00
Ojo Alamo									
2,700.0	20.00	38.63	2,679.8	135.0	107.9	172.8	2.00	2.00	0.00
2,762.0	21.24	38.63	2,737.8	152.0	121.5	194.6	2.00	2.00	0.00
2,800.0	21.24	38.63	2,773.3	162.8	130.1	208.4	0.00	0.00	0.00
2,834.1	21.24	38.63	2,805.0	172.4	137.8	220.7	0.00	0.00	0.00
Kirtland									
2,900.0	21.24	38.63	2,866.5	191.1	152.7	244.6	0.00	0.00	0.00
2,953.1	21.24	38.63	2,916.0	206.1	164.7	263.8	0.00	0.00	0.00
Fruitland									
2,986.5	21.24	38.63	2,947.1	215.6	172.3	275.9	0.00	0.00	0.00
3,000.0	20.84	38.63	2,959.7	219.4	175.3	280.8	3.00	-3.00	0.00
3,100.0	17.84	38.63	3,054.0	245.2	195.9	313.9	3.00	-3.00	0.00
3,200.0	14.84	38.63	3,150.0	267.2	213.5	342.0	3.00	-3.00	0.00
3,300.0	11.84	38.63	3,247.3	285.2	227.9	365.1	3.00	-3.00	0.00
3,400.0	8.84	38.63	3,345.7	299.2	239.1	383.0	3.00	-3.00	0.00
3,403.4	8.73	38.63	3,349.0	299.6	239.4	383.5	3.00	-3.00	0.00
PC									
3,500.0	5.84	38.63	3,444.8	309.2	247.1	395.8	3.00	-3.00	0.00
3,544.4	4.50	38.63	3,489.0	312.3	249.6	399.8	3.00	-3.00	0.00
Lewis									
3,600.0	2.84	38.63	3,544.5	315.1	251.8	403.3	3.00	-3.00	0.00
3,694.5	0.00	0.00	3,639.0	316.9	253.2	405.7	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 56N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6540.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6540.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 56N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 56N		
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)
Intermediate - SJ 28-5 56N ICP									
3,700.0	0.00	0.00	3,644.5	316.9	253.2	405.7	0.00	0.00	0.00
3,800.0	0.00	0.00	3,744.5	316.9	253.2	405.7	0.00	0.00	0.00
3,900.0	0.00	0.00	3,844.5	316.9	253.2	405.7	0.00	0.00	0.00
4,000.0	0.00	0.00	3,944.5	316.9	253.2	405.7	0.00	0.00	0.00
4,100.0	0.00	0.00	4,044.5	316.9	253.2	405.7	0.00	0.00	0.00
4,200.0	0.00	0.00	4,144.5	316.9	253.2	405.7	0.00	0.00	0.00
4,300.0	0.00	0.00	4,244.5	316.9	253.2	405.7	0.00	0.00	0.00
4,347.5	0.00	0.00	4,292.0	316.9	253.2	405.7	0.00	0.00	0.00
Chacra									
4,400.0	0.00	0.00	4,344.5	316.9	253.2	405.7	0.00	0.00	0.00
4,500.0	0.00	0.00	4,444.5	316.9	253.2	405.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,544.5	316.9	253.2	405.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,644.5	316.9	253.2	405.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,744.5	316.9	253.2	405.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,844.5	316.9	253.2	405.7	0.00	0.00	0.00
4,965.5	0.00	0.00	4,910.0	316.9	253.2	405.7	0.00	0.00	0.00
Upper Cliff House									
5,000.0	0.00	0.00	4,944.5	316.9	253.2	405.7	0.00	0.00	0.00
5,078.5	0.00	0.00	5,023.0	316.9	253.2	405.7	0.00	0.00	0.00
Massive Cliff House									
5,100.0	0.00	0.00	5,044.5	316.9	253.2	405.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,144.5	316.9	253.2	405.7	0.00	0.00	0.00
5,236.5	0.00	0.00	5,181.0	316.9	253.2	405.7	0.00	0.00	0.00
Menefee									
5,300.0	0.00	0.00	5,244.5	316.9	253.2	405.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,344.5	316.9	253.2	405.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,444.5	316.9	253.2	405.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,544.5	316.9	253.2	405.7	0.00	0.00	0.00
5,617.5	0.00	0.00	5,562.0	316.9	253.2	405.7	0.00	0.00	0.00
Point Lookout									
5,700.0	0.00	0.00	5,644.5	316.9	253.2	405.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,744.5	316.9	253.2	405.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,844.5	316.9	253.2	405.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,944.5	316.9	253.2	405.7	0.00	0.00	0.00
6,072.5	0.00	0.00	6,017.0	316.9	253.2	405.7	0.00	0.00	0.00
Mancos									
6,100.0	0.00	0.00	6,044.5	316.9	253.2	405.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,144.5	316.9	253.2	405.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,244.5	316.9	253.2	405.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,344.5	316.9	253.2	405.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,444.5	316.9	253.2	405.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,544.5	316.9	253.2	405.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,644.5	316.9	253.2	405.7	0.00	0.00	0.00
6,745.5	0.00	0.00	6,690.0	316.9	253.2	405.7	0.00	0.00	0.00
Upper Gallup									
6,800.0	0.00	0.00	6,744.5	316.9	253.2	405.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,844.5	316.9	253.2	405.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,944.5	316.9	253.2	405.7	0.00	0.00	0.00
7,100.0	0.00	0.00	7,044.5	316.9	253.2	405.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,144.5	316.9	253.2	405.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,244.5	316.9	253.2	405.7	0.00	0.00	0.00

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 56N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6540.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6540.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 56N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 56N		
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)	
7,400.0	0.00	0.00	7,344.5	316.9	253.2	405.7	0.00	0.00	0.00	
7,495.5	0.00	0.00	7,440.0	316.9	253.2	405.7	0.00	0.00	0.00	
Greenhorn										
7,500.0	0.00	0.00	7,444.5	316.9	253.2	405.7	0.00	0.00	0.00	
7,559.5	0.00	0.00	7,504.0	316.9	253.2	405.7	0.00	0.00	0.00	
Graneros										
7,598.5	0.00	0.00	7,543.0	316.9	253.2	405.7	0.00	0.00	0.00	
Two Wells										
7,600.0	0.00	0.00	7,544.5	316.9	253.2	405.7	0.00	0.00	0.00	
7,681.5	0.00	0.00	7,626.0	316.9	253.2	405.7	0.00	0.00	0.00	
Paguate										
7,700.0	0.00	0.00	7,644.5	316.9	253.2	405.7	0.00	0.00	0.00	
7,703.5	0.00	0.00	7,648.0	316.9	253.2	405.7	0.00	0.00	0.00	
Upper Cubero										
7,746.5	0.00	0.00	7,691.0	316.9	253.2	405.7	0.00	0.00	0.00	
Lower Cubero										
7,800.0	0.00	0.00	7,744.5	316.9	253.2	405.7	0.00	0.00	0.00	
7,819.5	0.00	0.00	7,764.0	316.9	253.2	405.7	0.00	0.00	0.00	
Oak Canyon										
7,832.5	0.00	0.00	7,777.0	316.9	253.2	405.7	0.00	0.00	0.00	
Production - SJ 28-5 56N 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 56N ICP	0.00	0.00	3,639.0	316.9	253.2	2,045,639.07	165,381.62	36° 36' 59.696 N		107° 23' 24.689 W
- plan hits target center										
- Point										
SJ 28-5 56N PCP	0.00	0.00	7,777.0	316.9	253.2	2,045,639.04	165,381.58	36° 36' 59.696 N		107° 23' 24.690 W
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	Surface	9-5/8	12-1/4	
3,694.5	3,639.0	Intermediate	7	8-3/4	
7,832.5	7,777.0	Production	4-1/2	6-1/4	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 56N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6540.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6540.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 56N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 56N		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,834.1	2,805.0	Kirtland				
1,403.0	1,403.0	Nacimiento				
7,819.5	7,764.0	Oak Canyon				
5,236.5	5,181.0	Menefee				
3,403.4	3,349.0	PC				
7,746.5	7,691.0	Lower Cubero				
5,617.5	5,562.0	Point Lookout				
2,953.1	2,916.0	Fruitland				
6,072.5	6,017.0	Mancos				
2,648.2	2,631.0	Ojo Alamo				
3,544.4	3,489.0	Lewis				
4,347.5	4,292.0	Chacra				
7,703.5	7,648.0	Upper Cubero				
5,078.5	5,023.0	Massive Cliff House				
7,559.5	7,504.0	Graneros				
4,965.5	4,910.0	Upper Cliff House				
7,495.5	7,440.0	Greenhorn				
6,745.5	6,690.0	Upper Gallup				
7,598.5	7,543.0	Two Wells				
7,681.5	7,626.0	Paguate				

REFERENCE INFORMATION

WELL @ 6540.0ft (Original Well Elev)

Ground Elevation 6525.0

Reference Lat: 36° 36' 56.563 N

Reference Long: 107° 23' 27.796 W

Project: San Juan Basin - New Mexico Central V

Site: San Juan 28 Wells

Well: SJ 28-5 56N

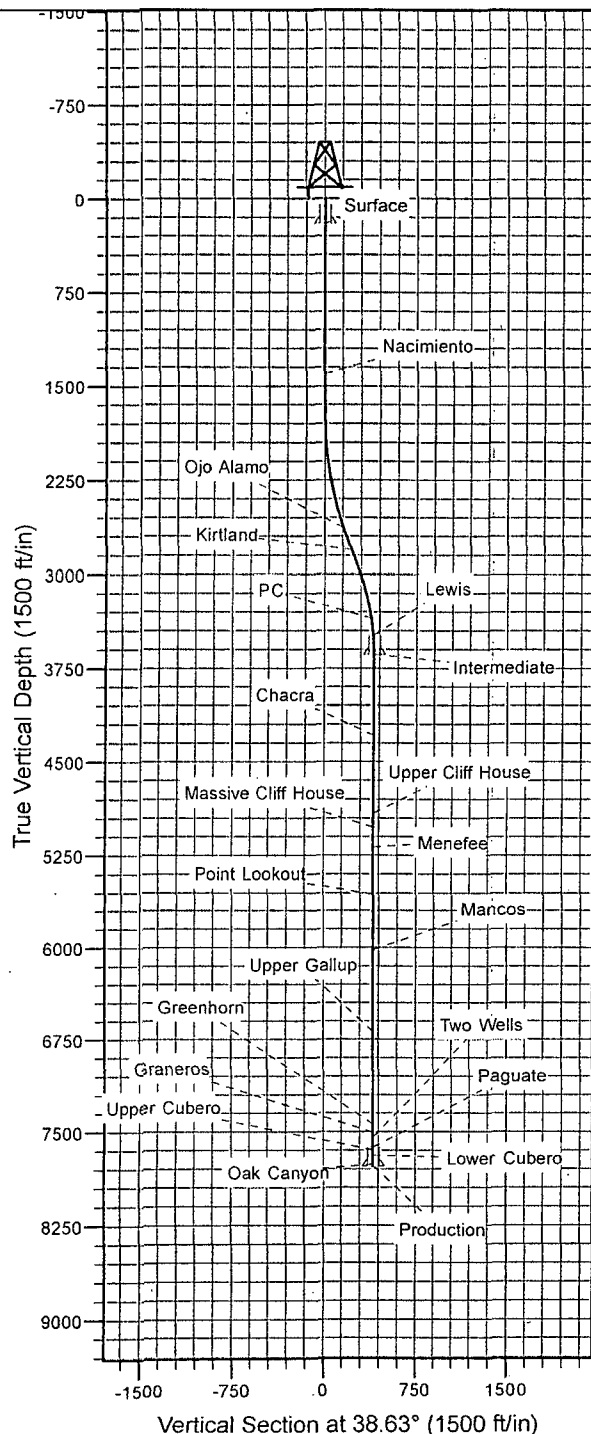
Wellbore: SJ 28-5 56N

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	1700.0	0.00	0.00	1700.0	0.0	0.0	0.00	0.00	0.0	
3	2762.0	21.24	38.63	2737.8	152.0	121.5	2.00	38.63	194.6	
4	2986.5	21.24	38.63	2947.1	215.6	172.3	0.00	0.00	275.9	
5	3694.5	0.00	0.00	3639.0	316.9	253.2	3.00	180.00	405.7	SJ 28-5 56N ICP
6	7832.5	0.00	0.00	7777.0	316.9	253.2	0.00	0.00	405.7	SJ 28-5 56N PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1403.0	1403.0	Nacimiento
2631.0	2648.2	Ojo Alamo
2805.0	2834.1	Kirtland
2916.0	2953.1	Fruitland
3349.0	3403.4	PC
3489.0	3544.4	Lewis
4292.0	4347.5	Chacra
4910.0	4965.5	Upper Cliff House
5023.0	5078.5	Massive Cliff House
5181.0	5236.5	Menefee
5562.0	5617.5	Point Lookout
6017.0	6072.5	Mancos
6690.0	6745.5	Upper Gallup
7440.0	7495.5	Greenhorn
7504.0	7559.5	Graneros
7543.0	7598.5	Two Wells
7626.0	7681.5	Paguate
7648.0	7703.5	Upper Cubero
7691.0	7746.5	Lower Cubero
7764.0	7819.5	Oak Canyon

