

(August 2007)

RECEIVEDUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010**OCT 04 2012****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.**Farmington Field Office
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other

2. Name of Operator

ConocoPhillips Company

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No (include area code)

(505) 326-9700

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

Surface Unit C (NE/NW), 1124' FNL & 1821' FWL, Section 27, T27N, R7W

Bottomhole Unit F (SE/NW), 1925' FNL & 1750' FWL, Section 27, T27N, R7W

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

SAN JUAN 28-7 UNIT

8. Well Name and No

SAN JUAN 28-7 UNIT COM 298

9. API Well No

30-039-31093

10. Field and Pool or Exploratory Area

Blanco MV/Basin DK

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 MC☐ 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.)

ConocoPhillips requests permission to remove the Basin Mancos formation from this well. Attached is a revised plat, project proposal and directional drill plan. This NOI will cancel out the C107A & ConocoPhillips will apply for the DHC.

**H₂S POTENTIAL EXIST**

RCVD OCT 11 '12

OIL CONS. DIV.

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

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

Marie E. Jaramillo

Staff Regulatory Tech

Title

Signature

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy L. Sellers

Title Petroleum Engineer

Date 10/9/12

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 within its jurisdiction.

(Instruction on page 2)

NMOCD

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II

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

DISTRICT III

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

DISTRICT IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District Office☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31093	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / MESA VERDE BLANCO
⁴ Property Code 38932	⁵ Property Name SAN JUAN 28-7 UNIT COM	⁶ Well Number 298
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6690

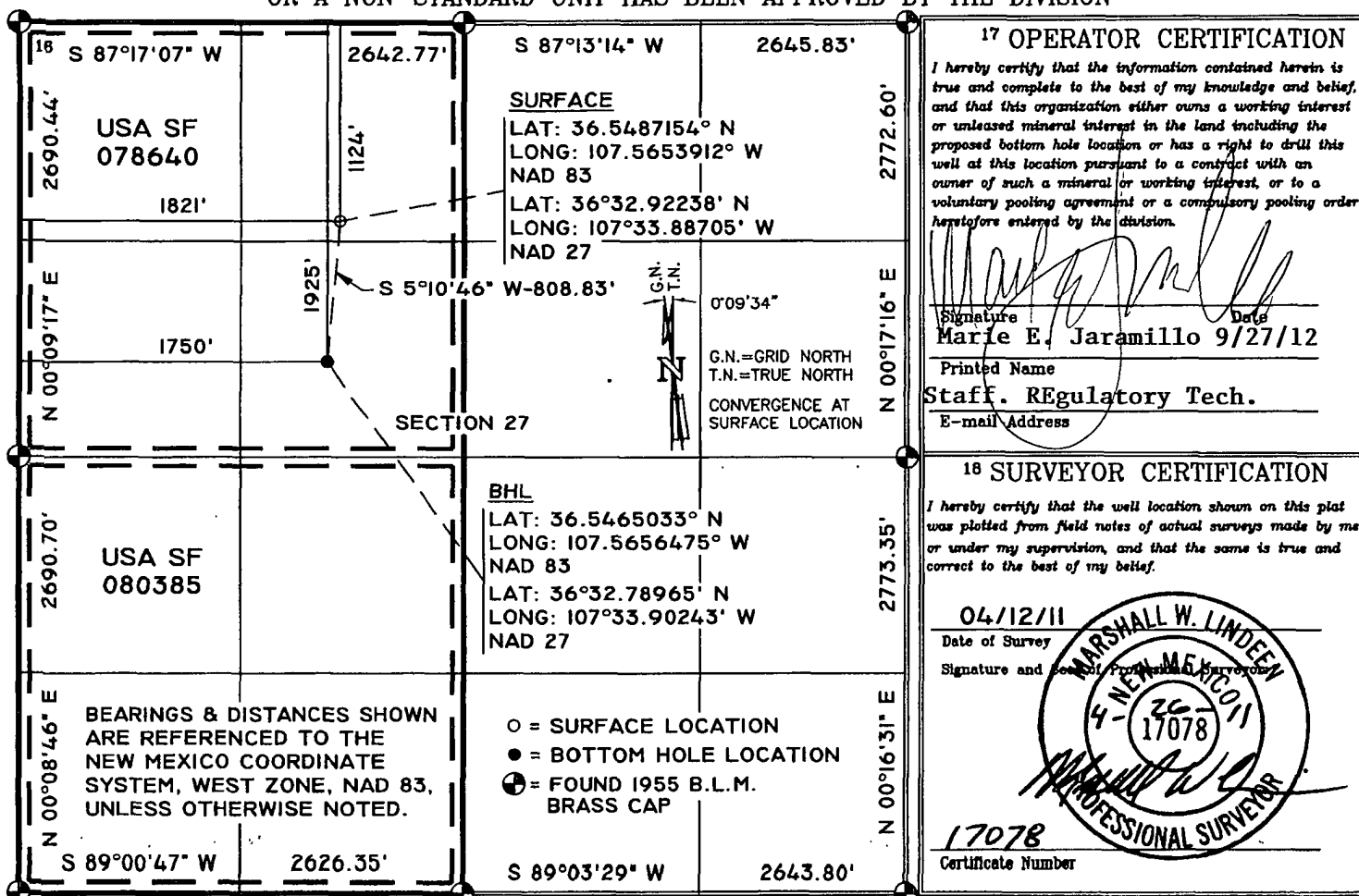
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	27 N	7 W		1124	NORTH	1821	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
F	27	27 N	7 W		1925	NORTH	1750	WEST	RIO ARRIBA

¹² Dedicated Acres 320.00 (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	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

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT COM 298

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1047				AFE \$: 2,098,423.90	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #: 3003931093
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: 36.548706		Longitude: -107.564784		X:	Y:	Section: 27	Range: 007W
Footage X: 1821 FWL		Footage Y: 1124 FNL		Elevation: 6690 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum: Code: NAD 27 Directional							
Latitude: 36.546494		Longitude: -107.565040		X:	Y:	Section: 27	Range: 007W
Footage X: 1750 FWL		Footage Y: 1925 FNL		Elevation: (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6705 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6690		☐			Lost 550 bbls at 150'.
Surface Casing	320	6385	200 320	☐		46	12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	735	5970		☐			
OJO ALAMO	2277	4428		☐			
KIRTLAND	2436	4269		☐			
FRUITLAND	2679	4026		☐		95	Possible Gas
PICTURED CLIFFS	3071	3634		☐	50		
LEWIS	3197	3508		☐			
HUERFANITO BENTONITE	3535	3170		☐			
CHACRA	3967	2738		☐		121	
MASSIVE CLIFF HOUSE	4765	1940		☐	221		Gas
UPPER CLIFF HOUSE	4767	1938		☐			Gas
MENEFEE	4816	1889		☐			
Intermediate Casing	4966	1739	5086	☐		138	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1135 cuft. Circulate cement to surface.
POINT LOOKOUT	5330	1375		☐			
MANCOS	5687	1018		☐			
UPPER GALLUP	6475	230		☐			
GREENHORN	7261	-556		☐		187	
GRANEROS	7308	-603		☐			
TWO WELLS	7369	-664		☐	2492		Gas
PAGUATE	7399	-694		☐			Gas

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT COM 298

DEVELOPMENT

UPPER CUBERO	7484	-779	☐	191	Gas - Wet CBRO in SJ 28-7 151E (27n 7w 21) in 2008. Mud up & drilled into BRCN, Completed ENCN, prod ok w/some wtr.
LOWER CUBERO	7513	-808	☐		Gas - Bottom perf ~-849 (~20' above TD) base on offset well.
Total Depth	7574	-869	7694	☐	194 6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 360 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7586	-881	☐		Gas
BURRO CANYON	7620	-915	☐		
MORRISON	7663	-958	☐		

Reference Wells:

Reference Type	Well Name	Comments
Production	RINCON UNIT (DK) 202	

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 Gallup down to TD.

Mudlogger will call TD.

Bottom perf ~20' above TD.

Additional Information:

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

ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

San Juan 28 Wells

SJ 28-7 Unit Com #298

SJ 28-7 Unit Com #298

Plan: Plan #1

Standard Planning Report

06 June, 2012

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 Unit Com #298
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6705.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6705.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 Unit Com #298	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-7 Unit Com #298		
Design:	Plan #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 28 Wells		
Site Position:		Northing:	2,046,354.53 ft
From:	Lat/Long	Easting:	579,505.00 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 37' 24.966 N
		Longitude:	107° 33' 44.640 W
		Grid Convergence:	0 16 °

Well	SJ 28-7 Unit Com #298, S-Shaped MV/DK Short Reach, Deep Set Int		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	3.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 32' 55.343 N
		Longitude:	107° 33' 53.223 W
		Ground Level:	6,690.0 ft

Wellbore	SJ 28-7 Unit Com #298		
Magnetics	Model Name	Sample Date	Declination
	BGGM2011	9/14/2011	9 76
			Dip Angle
			63.33
			Field Strength
			50,655

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			185.34

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,640.6	24.81	185.34	2,602.2	-263.3	-24.6	2.00	2.00	0.00	185.34	
3,518.0	24.81	185.34	3,398.6	-629.9	-58.9	0.00	0.00	0.00	0.00	
4,345.0	0.00	0.00	4,200.0	-805.4	-75.3	3.00	-3.00	0.00	180.00	SJ 28-7 Unit Com #298
5,111.0	0.00	0.00	4,966.0	-805.4	-75.3	0.00	0.00	0.00	0.00	SJ 28-7 Unit Com #298
7,719.0	0.00	0.00	7,574.0	-805.4	-75.3	0.00	0.00	0.00	0.00	SJ 28-7 Unit Com #298

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 Unit Com #298
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6705.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6705.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 Unit Com #298	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-7 Unit Com #298		
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
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
Surf Csg									
735.0	0.00	0.00	735.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	2.00	185.34	1,500.0	-1.7	-0.2	1.7	2.00	2.00	0.00
1,600.0	4.00	185.34	1,599.8	-6.9	-0.6	7.0	2.00	2.00	0.00
1,700.0	6.00	185.34	1,699.5	-15.6	-1.5	15.7	2.00	2.00	0.00
1,800.0	8.00	185.34	1,798.7	-27.8	-2.6	27.9	2.00	2.00	0.00
1,900.0	10.00	185.34	1,897.5	-43.3	-4.1	43.5	2.00	2.00	0.00
2,000.0	12.00	185.34	1,995.6	-62.3	-5.8	62.6	2.00	2.00	0.00
2,100.0	14.00	185.34	2,093.1	-84.7	-7.9	85.1	2.00	2.00	0.00
2,200.0	16.00	185.34	2,189.6	-110.5	-10.3	111.0	2.00	2.00	0.00
2,291.3	17.83	185.34	2,277.0	-136.9	-12.8	137.5	2.00	2.00	0.00
Ojo Alamo									
2,300.0	18.00	185.34	2,285.3	-139.6	-13.1	140.2	2.00	2.00	0.00
2,400.0	20.00	185.34	2,379.8	-172.0	-16.1	172.8	2.00	2.00	0.00
2,460.0	21.20	185.34	2,436.0	-193.0	-18.0	193.9	2.00	2.00	0.00
Kirtland									
2,500.0	22.00	185.34	2,473.2	-207.7	-19.4	208.6	2.00	2.00	0.00
2,600.0	24.00	185.34	2,565.2	-246.6	-23.1	247.7	2.00	2.00	0.00
2,640.6	24.81	185.34	2,602.2	-263.3	-24.6	264.4	2.00	2.00	0.00
2,700.0	24.81	185.34	2,656.1	-288.1	-26.9	289.4	0.00	0.00	0.00
2,725.2	24.81	185.34	2,679.0	-298.7	-27.9	300.0	0.00	0.00	0.00
Fruitland									
2,800.0	24.81	185.34	2,746.9	-329.9	-30.8	331.3	0.00	0.00	0.00
2,900.0	24.81	185.34	2,837.6	-371.7	-34.8	373.3	0.00	0.00	0.00
3,000.0	24.81	185.34	2,928.4	-413.5	-38.7	415.3	0.00	0.00	0.00
3,100.0	24.81	185.34	3,019.2	-455.2	-42.6	457.2	0.00	0.00	0.00
3,157.1	24.81	185.34	3,071.0	-479.1	-44.8	481.2	0.00	0.00	0.00
Pictured Cliffs									
3,200.0	24.81	185.34	3,109.9	-497.0	-46.5	499.2	0.00	0.00	0.00
3,295.9	24.81	185.34	3,197.0	-537.1	-50.2	539.4	0.00	0.00	0.00
Lewis									
3,300.0	24.81	185.34	3,200.7	-538.8	-50.4	541.2	0.00	0.00	0.00
3,400.0	24.81	185.34	3,291.5	-580.6	-54.3	583.1	0.00	0.00	0.00
3,500.0	24.81	185.34	3,382.3	-622.4	-58.2	625.1	0.00	0.00	0.00
3,518.0	24.81	185.34	3,398.6	-629.9	-58.9	632.6	0.00	0.00	0.00
3,600.0	22.35	185.34	3,473.7	-662.5	-61.9	665.4	3.00	-3.00	0.00
3,665.8	20.38	185.34	3,535.0	-686.4	-64.2	689.4	3.00	-3.00	0.00
Huerfano Bentonite									
3,700.0	19.35	185.34	3,567.2	-698.0	-65.3	701.0	3.00	-3.00	0.00
3,800.0	16.35	185.34	3,662.4	-728.5	-68.1	731.7	3.00	-3.00	0.00
3,900.0	13.35	185.34	3,759.0	-754.0	-70.5	757.3	3.00	-3.00	0.00
4,000.0	10.35	185.34	3,856.9	-774.5	-72.4	777.8	3.00	-3.00	0.00
4,100.0	7.35	185.34	3,955.7	-789.8	-73.8	793.2	3.00	-3.00	0.00
4,111.4	7.01	185.34	3,967.0	-791.2	-74.0	794.6	3.00	-3.00	0.00
Chacra									
4,200.0	4.35	185.34	4,055.1	-799.9	-74.8	803.4	3.00	-3.00	0.00
4,300.0	1.35	185.34	4,155.0	-804.9	-75.3	808.4	3.00	-3.00	0.00
4,345.0	0.00	0.00	4,200.0	-805.4	-75.3	808.9	3.00	-3.00	388.07

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 Unit Com #298
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6705.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6705.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 Unit Com #298	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-7 Unit Com #298		
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)	
SJ 28-7 Unit Com #298 - Vert										
4,910.0	0.00	0.00	4,765.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Massive Cliff House										
4,961.0	0.00	0.00	4,816.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Menefee										
5,111.0	0.00	0.00	4,966.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Int Csg - SJ 28-7 Unit Com #298 - ICP										
5,475.0	0.00	0.00	5,330.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Point Lookout										
5,832.0	0.00	0.00	5,687.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Mancos										
6,620.0	0.00	0.00	6,475.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Gallup										
7,406.0	0.00	0.00	7,261.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Greenhorn										
7,453.0	0.00	0.00	7,308.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Graneros										
7,514.0	0.00	0.00	7,369.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Two Wells										
7,544.0	0.00	0.00	7,399.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Paguate										
7,629.0	0.00	0.00	7,484.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Cubero										
7,658.0	0.00	0.00	7,513.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
Lower Cubero										
7,719.0	0.00	0.00	7,574.0	-805.4	-75.3	808.9	0.00	0.00	0.00	
TD - Prod Csg - SJ 28-7 Unit Com #298 - 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 28-7 Unit Com #298 - plan hits target center	0.00	0.00	7,574.0	-805.4	-75.3	2,018,282.47	578,808.49	36° 32' 47.379 N	107° 33' 54.146 W	
- Point										
SJ 28-7 Unit Com #298 - plan hits target center	0.00	0.00	4,966.0	-805.4	-75.3	2,018,282.47	578,808.49	36° 32' 47.379 N	107° 33' 54.146 W	
- Point										
SJ 28-7 Unit Com #298 - plan hits target center	0.00	0.00	4,200.0	-805.4	-75.3	2,018,282.44	578,808.49	36° 32' 47.379 N	107° 33' 54.146 W	
- Point										

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 Unit Com #298
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6705.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6705.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 Unit Com #298	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-7 Unit Com #298		
Design:	Plan #1		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surf Csg	9-5/8	12-1/4
7,719.0	7,574.0	Prod Csg	4-1/2	6-1/4
5,111.0	4,966.0	Int Csg	7	8-3/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,658.0	7,513.0	Lower Cubero		0.00		
2,460.0	2,436.0	Kirtland		0.00		
4,910.0	4,765.0	Massive Cliff House		0.00		
5,832.0	5,687.0	Mancos		0.00		
4,961.0	4,816.0	Menefee		0.00		
4,111.4	3,967.0	Chacra		0.00		
7,719.0	7,574.0	TD		0.00		
3,157.1	3,071.0	Pictured Cliffs		0.00		
7,514.0	7,369.0	Two Wells		0.00		
6,620.0	6,475.0	Gallup		0.00		
7,453.0	7,308.0	Graneros		0.00		
7,629.0	7,484.0	Cubero		0.00		
3,665.8	3,535.0	Huerfano Bentonite		0.00		
2,725.2	2,679.0	Fruitland		0.00		
735.0	735.0	Nacimiento		0.00		
5,475.0	5,330.0	Point Lookout		0.00		
7,544.0	7,399.0	Paguate		0.00		
2,291.3	2,277.0	Ojo Alamo		0.00		
7,406.0	7,261.0	Greenhorn		0.00		
3,295.9	3,197.0	Lewis		0.00		