

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 23 2011

RCVD AUG 18 '11
OIL CONS. DIV.

Sundry Notices and Reports on Wells

DIST. 3

1. Type of Well
GAS

2. Name of Operator
ConocoPhillips OIL & GAS COMPANY LP

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
Surf: Unit K (NESW), 1365' FSL & 2310' FWL, Section 30, T27N, R7W, NMPM
BH: Unit O (SWSE), 1250' FSL & 1930' FEL, Section 30, T27N, R7W, NMPM

5. Lease Number
NM-03560

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 28-7 Unit

8. Well Name & Number
San Juan 28-7 Unit 100N

9. API Well No
30-039- 30880

10. Field and Pool
Basin DK/ Blanco MV

11. County and State
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action
☒ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment	☐ Plugging
	☐ Casing Repair
	☐ Altering Casing
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut off
	☐ Conversion to Injection

☒ Other - ☐ Change Location

13. Describe Proposed or Completed Operations

Per BLM request, ConocoPhillips wishes to request a location move due to location being in an ACEC. This location will now be a directional drill.

Attached is the new plat package along with the directional drill plan and project proposal.

Hold C104

for Directional Survey
and "As Drilled" plat

14. I hereby certify that the foregoing is true and correct.

Signed Brandie Blakley Brandie Blakley Title Staff Regulatory Technician Date 12/3/10

(This space for Federal or State Office use)

APPROVED BY Cam Hand Title Team Lead EPS Date 3/1/11

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOC
OPERATOR

AV

Hold C104

for Directional Survey
and "As Drilled" plat

PC

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 16, 2010

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

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

Submit One Copy To Appropriate
District Office

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30880		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 31739		⁵ Property Name SAN JUAN 28 - 7 UNIT			⁶ Well Number 100N
⁷ GRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6663'

¹⁰ Surface Location

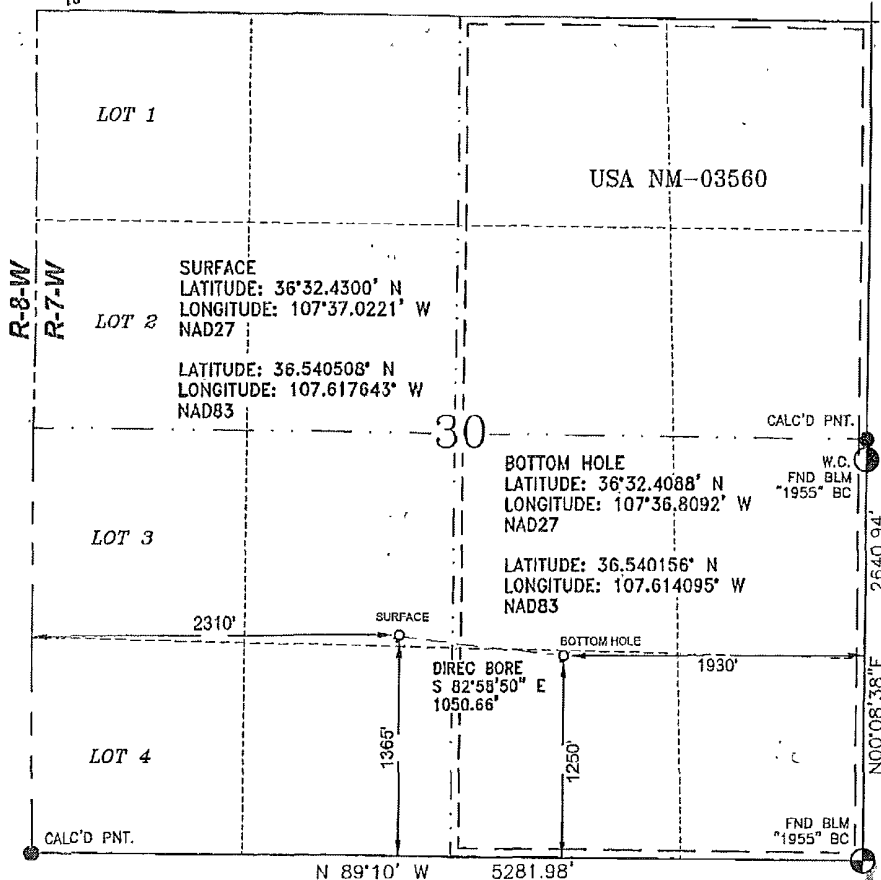
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	30	27-N	7-W		1365	SOUTH	2310	WEST	RIO ARRIBA

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
O	30	27-N	7-W		1250'	SOUTH	1930'	EAST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES 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 leased 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Brandie Blakley
Signature

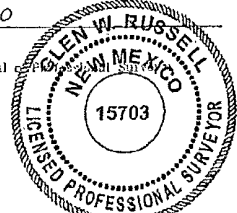
Brandie Blakley 12/1/10
Printed Name

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.

10/22/2010
Date of Survey

Signature and Seal of

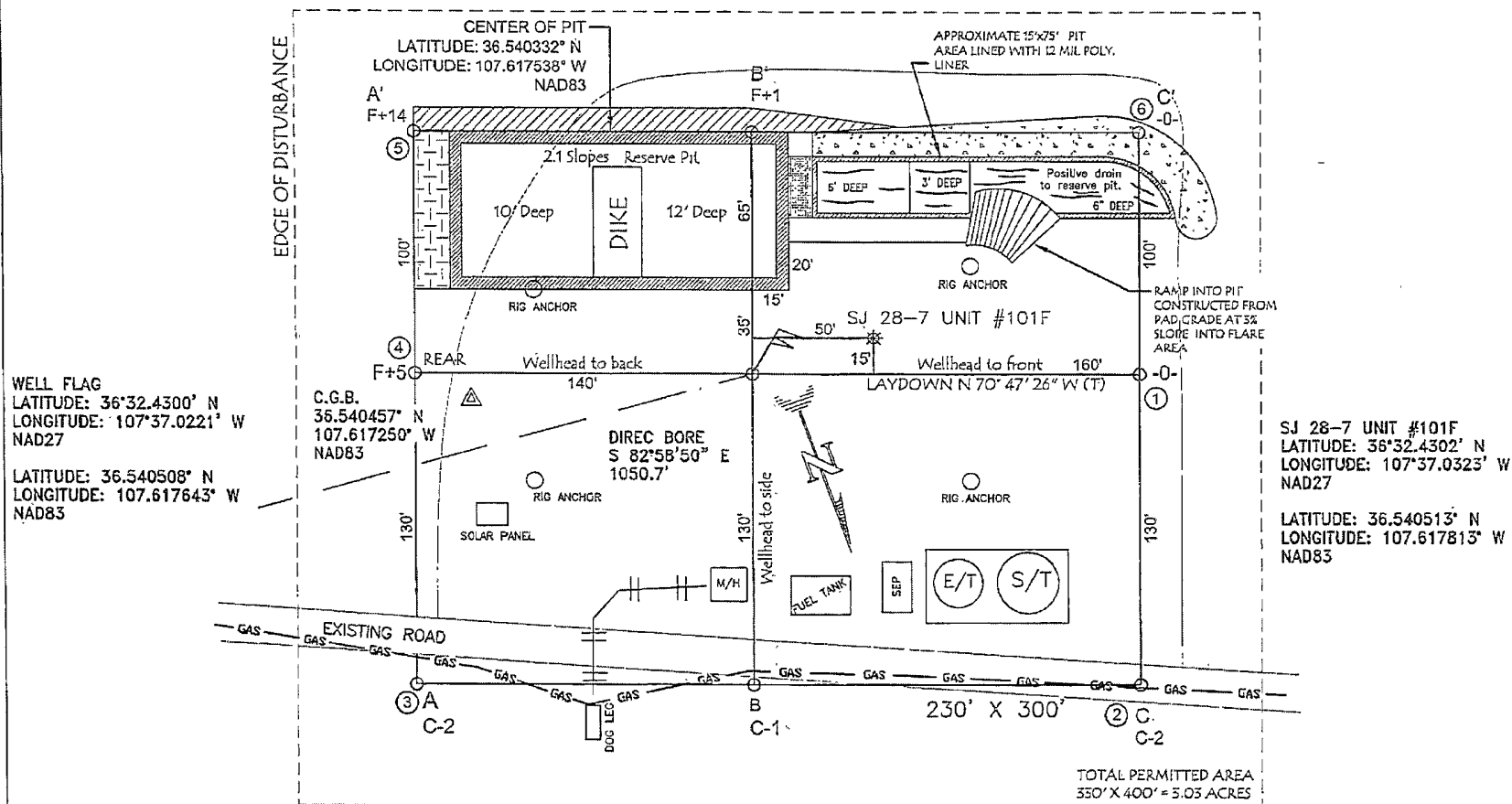


GLEN W. RUSSELL
Certificate Number

15703

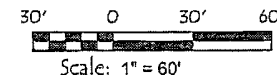
CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #100N, 1365' FSL & 2310' FWL
SECTION 30, T-27-N, R-7-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6663', DATE: JULY 31, 2008

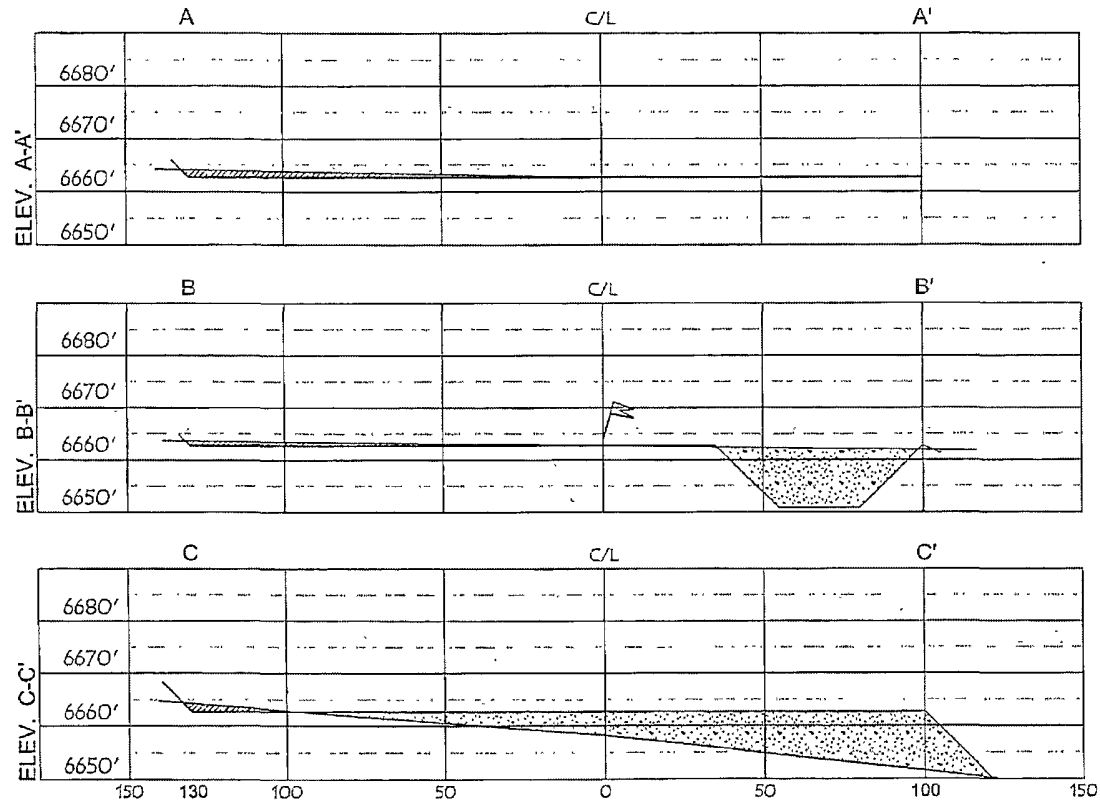


NOTES:

1. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
2. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

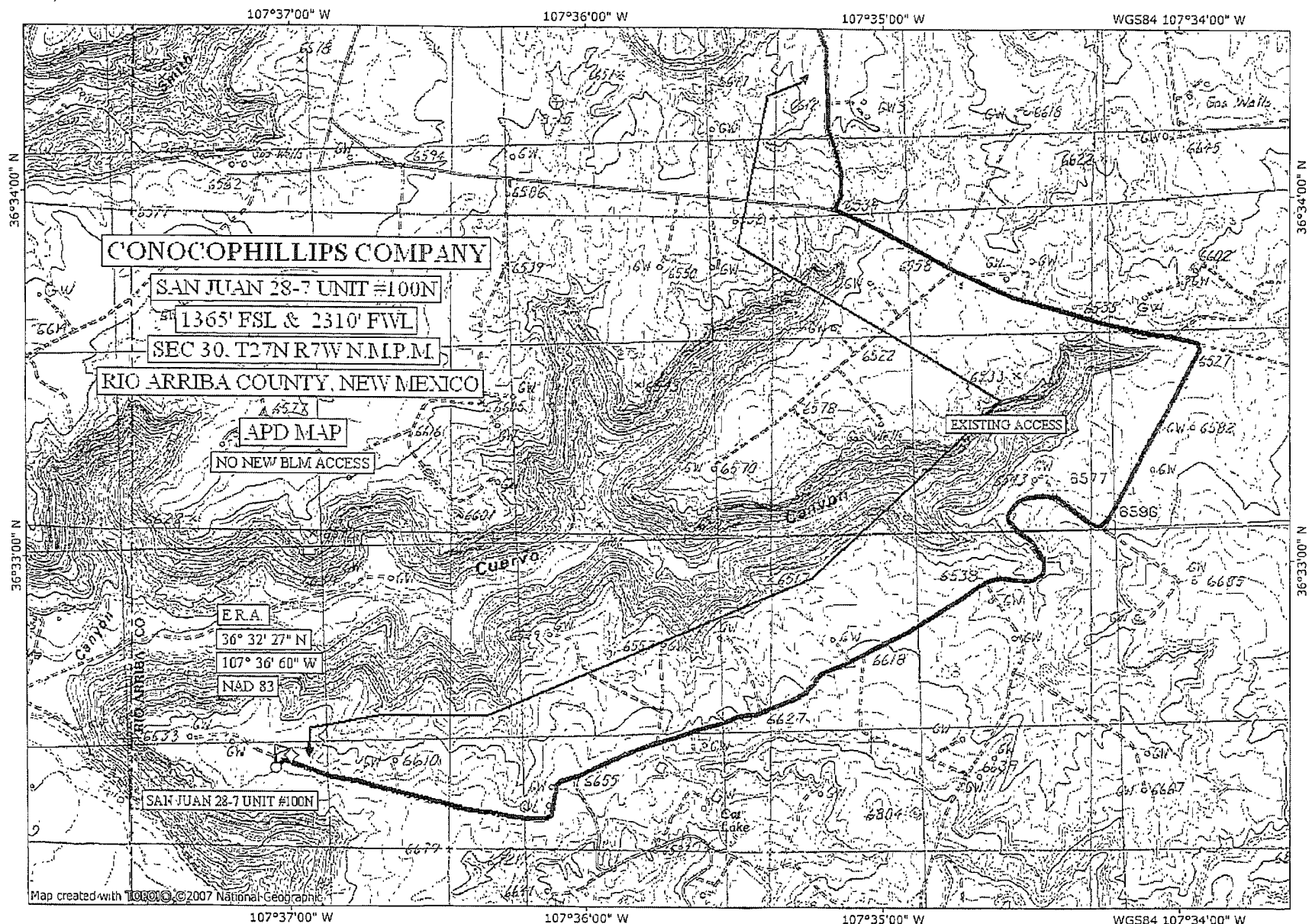


CONOCOPHILLIPS COMPANY
 SAN JUAN 28-7 UNIT #100N, 1365' FSL & 2310' FWL
 SECTION 30, T-27-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6663', DATE: JULY 31, 2008

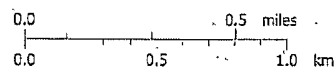


HORIZ. SCALE: 1" = 50'
 VERT. SCALE: 1" = 30'

NOTE:
 VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



NATIONAL
GEOGRAPHIC



TN* MN
10°
10/22/10

Directions from the Post Office in Blanco, NM

To:

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #100N

1365' FSL & 2310' FWL,

Section 30, T27N, R7W, N.M.P.M., Rio Arriba County,

New Mexico

Latitude: 36° 32' 25.831" N

Longitude: 107° 37' 03.516" W

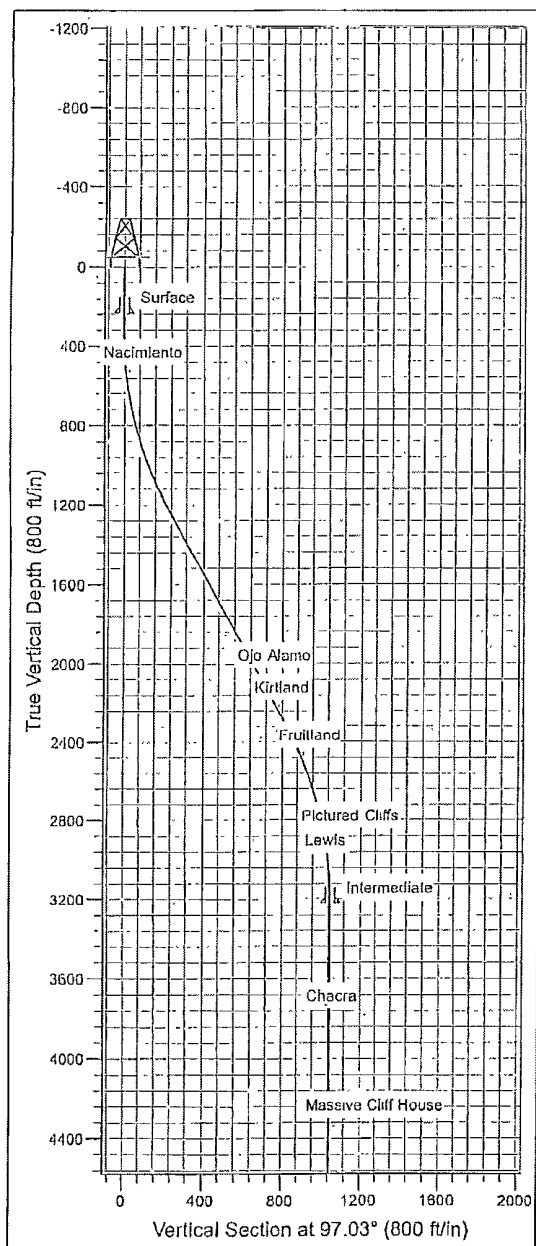
Nad 83

Go East on Hwy 64 for 1.2 miles,
turn right (southerly) on CR 4450 for 3.7 miles,
stay left at y-Intersec (southeasterly) 5.7 miles,
turn right (south) 0.2 miles across wash,
turn left (southeasterly) for 3.9 miles,
continue (southerly) 3.4 miles,
to the top of Gould Pass,
continue (easterly) 1.9 miles,
turn right (southerly) 0.2 miles,
turn right (southwesterly) 0.4 miles,
continue (southerly) 1.2 miles,
turn left (southeasterly) 1.2 miles,
turn right (southwesterly) 0.6 miles,
stay right (southwesterly) 2.2 miles,
stay right (westerly) 1.2 miles,
to newly staked location on existing well pad,
SAN JUAN 28-7 UNIT #101F.

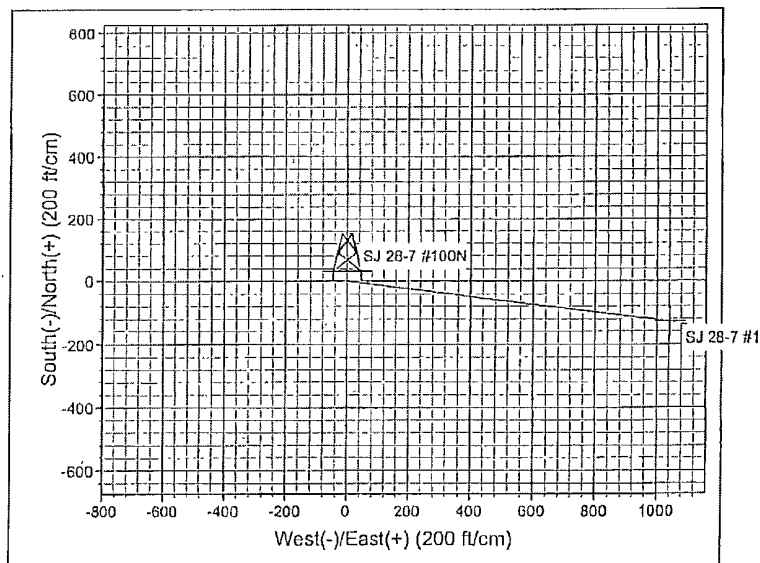
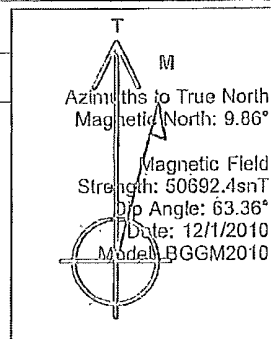
REFERENCE INFORMATION		Project: San Juan Basin - New Mexico West W Site: San Juan 28 Wells Well: SJ 28-7 #100N Wellbore: Wellbore #1 Design: APD Plan	
RIG @ 6678.0ft			
Ground Elevation 6663.0			
Reference Lat: 36° 32' 25.800 N			
Reference Long: 107° 37' 1.326 W			

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1273.4	28.60	97.03	1234.3	-28.5	231.3	3.00	97.03	233.1	
4	2493.7	28.60	97.03	2305.7	-100.1	811.1	0.00	0.00	817.3	
5	3447.2	0.00	0.00	3220.0	-128.6	1042.5	3.00	180.00	1050.4	SJ 28-7 #100N - ICP
6	7704.2	0.00	0.00	7477.0	-128.6	1042.5	0.00	0.00	1050.4	SJ 28-7 #100N - PCP



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
550.0	550.6	Nacimiento
2076.0	2232.1	Ojo Alamo
2237.0	2415.5	Kirtland
2483.0	2690.5	Fruitland
2895.0	3120.6	Pictured Cliffs
3020.0	3246.8	Lewis
3373.0	3600.2	Huerf. Bent.
3805.0	4032.2	Chacra
4351.0	4578.2	Massive Cliff House
4606.0	4833.2	Menefee
5192.0	5419.2	Pt. Lookout
5512.0	5739.2	Mancos Shale
6331.0	6558.2	Gallup
7138.0	7365.2	Greenhorn
7196.0	7423.2	Graneros
7250.0	7477.2	Two Wells
7348.0	7575.2	Upper Cubero
7371.0	7598.2	Lower Cubero
7437.0	7664.2	Encinal



ConocoPhillips SJBW

San Juan Basin - New Mexico West Wells

San Juan 28 Wells

SJ 28-7 #100N

Wellbore #1

Plan: APD Plan

Standard Planning Report

01 December, 2010

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #100N
Company:	ConocoPhillips SJBU	TVD Reference:	RIG @ 6678.0ft
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RIG @ 6678.0ft
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #100N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Project	San Juan Basin - New Mexico West 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 West 3003		Using geodetic scale factor

Site	San Juan 28 Wells		
Site Position:		Northings:	2,042,566.26 ft
From:	Lat/Long	Eastings:	563,690.29 ft
Position Uncertainty:	15.0 ft	Spot Radius:	"
		Grid Convergence:	0.13 °

Well	SJ 28-7 #100N		
Well Position	+N/-S	0.0 ft	Northings:
	+E/-W	0.0 ft	Eastings:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	12/1/2010	9.86

Design	APD Plan		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0

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	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,273.4	28.60	97.03	1,234.3	-28.5	231.3	3.00	3.00	0.00	97.03	
2,493.7	28.60	97.03	2,305.7	-100.1	811.1	0.00	0.00	0.00	0.00	
3,447.2	0.00	0.00	3,220.0	-128.6	1,042.5	3.00	-3.00	0.00	180.00	SJ 28-7 #100N - ICP
7,704.2	0.00	0.00	7,477.0	-128.6	1,042.5	0.00	0.00	0.00	0.00	SJ 28-7 #100N - PCP

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 28-7 #100N
Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference: Well SJ 28-7 #100N
TVD Reference: RIG @ 6678.0ft
MD Reference: RIG @ 6678.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+E-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
230.0	0.00	0.00	230.0	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
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.40	97.03	400.0	-0.2	1.7	1.7	3.00	3.00	0.00
500.0	5.40	97.03	499.7	-1.0	8.4	8.5	3.00	3.00	0.00
550.6	6.92	97.03	550.0	-1.7	13.8	13.9	3.00	3.00	0.00
Nacimiento									
600.0	8.40	97.03	599.0	-2.5	20.3	20.5	3.00	3.00	0.00
700.0	11.40	97.03	697.5	-4.6	37.4	37.7	3.00	3.00	0.00
800.0	14.40	97.03	795.0	-7.3	59.6	60.0	3.00	3.00	0.00
900.0	17.40	97.03	891.1	-10.7	86.7	87.4	3.00	3.00	0.00
1,000.0	20.40	97.03	985.7	-14.7	118.9	119.8	3.00	3.00	0.00
1,100.0	23.40	97.03	1,078.5	-19.2	155.9	157.1	3.00	3.00	0.00
1,200.0	26.40	97.03	1,169.2	-24.4	197.7	199.2	3.00	3.00	0.00
1,273.4	28.60	97.03	1,234.3	-28.5	231.3	233.1	3.00	3.00	0.00
1,300.0	28.60	97.03	1,257.6	-30.1	244.0	245.8	0.00	0.00	0.00
1,400.0	28.60	97.03	1,345.4	-36.0	291.5	293.7	0.00	0.00	0.00
1,500.0	28.60	97.03	1,433.2	-41.8	339.0	341.5	0.00	0.00	0.00
1,600.0	28.60	97.03	1,521.0	-47.7	386.5	389.4	0.00	0.00	0.00
1,700.0	28.60	97.03	1,608.8	-53.5	434.0	437.3	0.00	0.00	0.00
1,800.0	28.60	97.03	1,696.6	-59.4	481.5	485.2	0.00	0.00	0.00
1,900.0	28.60	97.03	1,784.4	-65.3	529.0	533.0	0.00	0.00	0.00
2,000.0	28.60	97.03	1,872.2	-71.1	576.5	580.9	0.00	0.00	0.00
2,100.0	28.60	97.03	1,960.0	-77.0	624.1	628.8	0.00	0.00	0.00
2,200.0	28.60	97.03	2,047.8	-82.9	671.6	676.7	0.00	0.00	0.00
2,232.1	28.60	97.03	2,076.0	-84.7	686.0	692.0	0.00	0.00	0.00
Ojo Alamo									
2,300.0	28.60	97.03	2,135.6	-88.7	719.1	724.5	0.00	0.00	0.00
2,400.0	28.60	97.03	2,223.4	-94.6	766.6	772.4	0.00	0.00	0.00
2,415.5	28.60	97.03	2,237.0	-95.5	774.0	779.8	0.00	0.00	0.00
Kirtland									
2,493.7	28.60	97.03	2,305.7	-100.1	811.1	817.3	0.00	0.00	0.00
2,500.0	28.41	97.03	2,311.2	-100.4	814.1	820.3	3.00	-3.00	0.00
2,600.0	25.41	97.03	2,400.4	-106.0	859.0	865.5	3.00	-3.00	0.00
2,690.5	22.70	97.03	2,483.0	-110.5	895.6	902.4	3.00	-3.00	0.00
Fruitland									
2,700.0	22.41	97.03	2,491.8	-110.9	899.3	908.1	3.00	-3.00	0.00
2,800.0	19.41	97.03	2,585.2	-115.3	934.7	941.8	3.00	-3.00	0.00
2,900.0	16.41	97.03	2,680.3	-119.1	965.2	972.5	3.00	-3.00	0.00
3,000.0	13.41	97.03	2,776.9	-122.2	990.7	998.3	3.00	-3.00	0.00
3,100.0	10.41	97.03	2,874.8	-124.8	1,011.2	1,018.9	3.00	-3.00	0.00
3,120.6	9.80	97.03	2,895.0	-125.2	1,014.8	1,022.5	3.00	-3.00	0.00
Pictured Cliffs									
3,200.0	7.41	97.03	2,973.5	-126.7	1,026.6	1,034.4	3.00	-3.00	0.00
3,246.8	6.01	97.03	3,020.0	-127.3	1,032.0	1,039.9	3.00	-3.00	0.00
Lewis									
3,300.0	4.41	97.03	3,073.0	-127.9	1,036.8	1,044.7	3.00	-3.00	0.00
3,400.0	1.41	97.03	3,172.9	-128.5	1,041.9	1,049.8	3.00	-3.00	0.00
3,447.2	0.00	0.00	3,220.0	-128.6	1,042.5	1,050.4	3.00	-3.00	-205.80

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning	Local Co-ordinate Reference: Well SJ 28-7 #100N
Company: ConocoPhillips SJB	TVD Reference: RIG @ 6678.0ft
Project: San Juan Basin - New Mexico West Wells	MD Reference: RIG @ 6678.0ft
Site: San Juan 28 Wells	North Reference: True
Well: SJ 28-7 #100N	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: APD Plan	

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 28-7 #100N - ICP									
3,500.0	0.00	0.00	3,272.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
3,600.0	0.00	0.00	3,372.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
3,600.2	0.00	0.00	3,373.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Huerf. Bent.									
3,700.0	0.00	0.00	3,472.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
3,800.0	0.00	0.00	3,572.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
3,900.0	0.00	0.00	3,672.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,000.0	0.00	0.00	3,772.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,032.2	0.00	0.00	3,805.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Chacra									
4,100.0	0.00	0.00	3,872.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,200.0	0.00	0.00	3,972.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,300.0	0.00	0.00	4,072.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,172.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,500.0	0.00	0.00	4,272.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,578.2	0.00	0.00	4,351.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Massive Cliff House									
4,600.0	0.00	0.00	4,372.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,472.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,572.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
4,833.2	0.00	0.00	4,605.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Menefee									
4,900.0	0.00	0.00	4,672.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,772.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,100.0	0.00	0.00	4,872.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,200.0	0.00	0.00	4,972.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,072.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,172.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,419.2	0.00	0.00	5,192.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Pt. Lookout									
5,500.0	0.00	0.00	5,272.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,372.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,472.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,739.2	0.00	0.00	5,512.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Mancos Shale									
5,800.0	0.00	0.00	5,572.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,672.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,772.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,100.0	0.00	0.00	5,872.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,200.0	0.00	0.00	5,972.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,072.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,172.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,272.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,558.2	0.00	0.00	6,331.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Gallup									
6,600.0	0.00	0.00	6,372.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,472.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,572.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,672.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,772.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,100.0	0.00	0.00	6,872.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00

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 28-7 #100N
Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference: Well SJ 28-7 #100N
TVD Reference: RIG @ 6678.0ft
MD Reference: RIG @ 6678.0ft
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)
7,200.0	0.00	0.00	6,972.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,072.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,365.2	0.00	0.00	7,138.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Greenhorn									
7,400.0	0.00	0.00	7,172.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,423.2	0.00	0.00	7,196.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Graneros									
7,477.2	0.00	0.00	7,250.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Two Wells									
7,500.0	0.00	0.00	7,272.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,575.2	0.00	0.00	7,348.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Upper Cubero									
7,598.2	0.00	0.00	7,371.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Lower Cubero									
7,600.0	0.00	0.00	7,372.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,664.2	0.00	0.00	7,437.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Enclinal									
7,700.0	0.00	0.00	7,472.8	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
7,704.2	0.00	0.00	7,477.0	-128.6	1,042.5	1,050.4	0.00	0.00	0.00
Production - SJ 28-7 #100N - 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 #100N - PCP	0.00	0.00	7,477.0	-128.6	1,042.5	2,015,935.67	564,583.14	36° 32' 24.528 N	107° 36' 48.552 W
- plan hits target center									
- Point									
SJ 28-7 #100N - JCP	0.00	0.00	3,220.0	-128.6	1,042.5	2,015,935.67	564,583.14	36° 32' 24.528 N	107° 36' 48.552 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
230.0	230.0	Surface	9-5/8	12-1/4
3,447.2	3,220.0	Intermediate	7	8-3/4
7,704.2	7,477.0	Production	4-1/2	6-1/4

ConocoPhillips or its affiliates
Planning Report.

Database: EDM Central Planning
Company: ConocoPhillips SJBW
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #100N
Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference: Well SJ 28-7 #100N
TVD Reference: RIG @ 6678.0ft
MD Reference: RIG @ 6678.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,120.6	2,895.0	Pictured Cliffs		0.00		
7,664.2	7,437.0	Encinal		0.00		
7,598.2	7,371.0	Lower Cubero		0.00		
7,477.2	7,250.0	Two Wells		0.00		
3,600.2	3,373.0	Huerf. Bent.		0.00		
5,739.2	5,512.0	Mancos Shale		0.00		
7,575.2	7,348.0	Upper Cubero		0.00		
2,415.5	2,237.0	Kirtland		0.00		
4,032.2	3,805.0	Chacra		0.00		
2,232.1	2,076.0	Ojo Alamo		0.00		
550.6	550.0	Nacimiento		0.00		
3,246.8	3,020.0	Lewis		0.00		
2,690.5	2,483.0	Fruiland		0.00		
5,419.2	5,192.0	Pt. Lookout		0.00		
6,558.2	6,331.0	Gallup		0.00		
7,423.2	7,196.0	Graneros		0.00		
4,833.2	4,606.0	Menefee		0.00		
4,578.2	4,351.0	Massive Cliff House		0.00		
7,365.2	7,138.0	Greenhorn		0.00		

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 UNIT 100N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8293		AFE \$: 1,333,098.22	
Field Name: SAN JUAN		Rig: Aztec Rig 673	State: NM	County: RIO ARRIBA	
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist:	Phone:	Prod. Engineer:	Phone:		
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)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface		Datum Code: NAD 27		Directional	
Latitude: 36.540499	Longitude: -107.617034	X:	Y:	Section: 30	Range: 007W
Footage X: 2310 FWL	Footage Y: 1365 FSL	Elevation: 6663	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.540147	Longitude: -107.613486	X:	Y:	Section: 30	Range: 007W
Footage X: 1930 FEL	Footage Y: 1250 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6678 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)
BHT	Remarks				
Surface Casing	200	6478		☐	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
NACIMIENTO	550	6128		☐	
OJO ALAMO	2076	4602		☐	
KIRTLAND	2237	4441		☐	
FRUITLAND	2483	4195		☐	Possible Gas
PICTURED CLIFFS	2895	3783		☐	
LEWIS	3020	3658		☐	
Intermediate Casing	3220	3458		☐	138 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 775 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3373	3305		☐	
CHACRA	3805	2873		☐	
UPPER CLIFF HOUSE	4351	2327		☐	Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4555	2123		☐	298 Gas
MENEFEE	4606	2072		☐	Est. Top Perf - 4806 (1872)
POINT LOOKOUT	5192	1486		☐	
MANCOS	5512	1166		☐	
UPPER GALLUP	6331	347		☐	
GREENHORN	7138	-460		☐	
GRANEROS	7196	-518		☐	
TWO WELLS	7250	-572		☐	2891 Gas
PAGUATE	7255	-577		☐	
UPPER CUBERO	7348	-670		☐	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 UNIT 100N

DEVELOPMENT

LOWER CUBERO	7371	-693	☐	Est. Btm Perf - 7457 (- 779) based on offset wells
ENCINAL	7437	-759	☐	TD - 40' below T/ENCN
Total Depth	7477	-799	☐	192 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 580 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-7 100M	27N-7W30 NW SE SE
Production	SJ 28-7 101F	27N-7W30 SE NE SW
Production	SJ 28-7 101	27N-7W30 SE NW SW

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