

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RECEIVED

NOV 09 2009

Bureau of Land Management
Farmington Field Office1. Type of Well
GAS

2. Name of Operator

CONOCOPHILLIPS COMPANY

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 C (NENW), 1075' FNL & 1730' FWL, Section 19, T28N, R7W, NMPM

5. Lease Number
SF - 078497
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 257N
9. API Well No.
30-039-30687
10. Field and Pool
11. Basin DK/Blanco MV
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	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut off
	☐ Altering Casing	☐ Conversion to Injection

☒ Other - ^{Int.} TD change

13. Describe Proposed or Completed Operations

NO

11/06/2009 TD on intermediate csg changed from Approved APD of 4301' to 4181' (TD). Verbal approval from Troy Salyers (BLM) and Charlie Perrin (OCD). New DD & Project Proposal attached. ✓

RCVD NOV 13 '09

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 11/9/09

(This space for Federal or State Office use)

APPROVED BY Troy L. Salyers Title Petroleum Engineer Date 11/10/2009

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

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

ConocoPhillips SJB

San Juan Basin - New Mexico Wells

San Juan 28 Wells

SJ 28-7 #257N

30-039-30687

Principal Wellbore

Plan: Plan #1

Standard Planning Report

04 November, 2009

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #257N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6761.0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6761.0ft (H&P 282)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #257N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project	San Juan Basin - New Mexico Wells, T-28-N, R-7-W, Section 19, Directional "S" Curve long step out		
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:	2,056,288.94 ft	Latitude:	36° 39' 3.609 N
From:	Lat/Long	Easting:	563,499.72 ft	Longitude:	107° 37' 0.715 W
Position Uncertainty:	15.0 ft	Slot Radius:	"	Grid Convergence:	0.13 °

Well:	SJ 28-7 #257N, Directional "S" Curve Long, No Lewis, No Close Loop					
Well Position	+N/-S	0.0 ft	Northing:	2,056,288.94 ft	Latitude:	36° 39' 3.609 N
	+E/-W	0.0 ft	Easting:	563,499.72 ft	Longitude:	107° 37' 0.715 W
Position Uncertainty		15.0 ft	Wellhead Elevation:	ft	Ground Level:	6,745.0 ft

Wellbore	Principal Wellbore				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2009	1/5/2009	(°)	(°)	(nT)
			10.12	63.51	50,956

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	135.29

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	
1,239.7	27.59	135.29	1,204.6	-154.4	152.8	3.00	3.00	0.00	135.29	
3,261.5	27.59	135.29	2,996.4	-819.9	811.5	0.00	0.00	0.00	0.00	
4,181.2	0.00	0.00	3,881.0	-974.3	964.3	3.00	-3.00	0.00	180.00	SJ 28-7 #257N - ICP
8,138.2	0.00	0.00	7,838.0	-974.3	964.3	0.00	0.00	0.00	0.00	SJ 28-7 #257N - PCP

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #257N
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #257N
TVD Reference: RKB @ 6761 0ft (H&P 282)
MD Reference: RKB @ 6761 0ft (H&P 282)
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
Surf									
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	135 29	400 0	-1 2	1 2	1 7	3 00	3 00	0 00
500 0	5 40	135 29	499 7	-6 0	6 0	8 5	3 00	3 00	0 00
600 0	8 40	135 29	599 0	-14 6	14 4	20 5	3 00	3 00	0 00
700 0	11 40	135 29	697 5	-26 8	26 5	37 7	3 00	3 00	0 00
800 0	14 40	135 29	795 0	-42 6	42 2	60 0	3 00	3 00	0 00
900 0	17 40	135 29	891 1	-62 1	61 5	87 4	3 00	3 00	0 00
1,000 0	20 40	135 29	985 7	-85 1	84 3	119 8	3 00	3 00	0 00
1,100 0	23 40	135 29	1,078 5	-111 6	110 5	157 1	3 00	3 00	0 00
1,200 0	26 40	135 29	1,169 2	-141 6	140 1	199 2	3 00	3 00	0 00
1,239 7	27 59	135 29	1,204 6	-154 4	152 8	217 2	3 00	3 00	0 00
1,300 0	27 59	135 29	1,258 0	-174 2	172 4	245 1	0 00	0 00	0 00
1,400 0	27 59	135 29	1,346 6	-207 1	205 0	291 4	0 00	0 00	0 00
1,500 0	27 59	135 29	1,435 3	-240 1	237 6	337 8	0 00	0 00	0 00
1,600 0	27 59	135 29	1,523 9	-273 0	270 2	384 1	0 00	0 00	0 00
1,700 0	27 59	135 29	1,612 5	-305 9	302 8	430 4	0 00	0 00	0 00
1,800 0	27 59	135 29	1,701 1	-338 8	335 3	476 7	0 00	0 00	0 00
1,900 0	27 59	135 29	1,789 8	-371 7	367 9	523 0	0 00	0 00	0 00
2,000 0	27 59	135 29	1,878 4	-404 6	400 5	569 3	0 00	0 00	0 00
2,100 0	27 59	135 29	1,967 0	-437 6	433 1	615 7	0 00	0 00	0 00
2,200 0	27 59	135 29	2,055 7	-470 5	465 7	662 0	0 00	0 00	0 00
2,300 0	27 59	135 29	2,144 3	-503 4	498 3	708 3	0 00	0 00	0 00
2,400 0	27 59	135 29	2,232 9	-536 3	530 8	754 6	0 00	0 00	0 00
2,500 0	27 59	135 29	2,321 5	-569 2	563 4	800 9	0 00	0 00	0 00
2,600 0	27 59	135 29	2,410 2	-602 1	596 0	847 2	0 00	0 00	0 00
2,629 2	27 59	135 29	2,436 0	-611 7	605 5	860 7	0 00	0 00	0 00
Ojo									
2,700 0	27 59	135 29	2,498 8	-635 1	628 6	893 5	0 00	0 00	0 00
2,757 8	27 59	135 29	2,550 0	-654 1	647 4	920 3	0 00	0 00	0 00
Kirtland									
2,800 0	27 59	135 29	2,587 4	-668 0	661 2	939 9	0 00	0 00	0 00
2,900 0	27 59	135 29	2,676 0	-700 9	693 8	986 2	0 00	0 00	0 00
3,000 0	27 59	135 29	2,764 7	-733 8	726 3	1,032 5	0 00	0 00	0 00
3,100 0	27 59	135 29	2,853 3	-766 7	758 9	1,078 8	0 00	0 00	0 00
3,192 2	27 59	135 29	2,935 0	-797 1	789 0	1,121 5	0 00	0 00	0 00
Fruitland									
3,200 0	27 59	135 29	2,941 9	-799 7	791 5	1,125 1	0 00	0 00	0 00
3,261 5	27 59	135 29	2,996 4	-819 9	811 5	1,153 6	0 00	0 00	0 00
3,300 0	26 44	135 29	3,030 7	-832 3	823 8	1,171 1	3 00	-3 00	0 00
3,400 0	23 44	135 29	3,121 4	-862 3	853 5	1,213 3	3 00	-3 00	0 00
3,500 0	20 44	135 29	3,214 2	-888 8	879 8	1,250 6	3 00	-3 00	0 00
3,600 0	17 44	135 29	3,308 7	-911 9	902 6	1,283 1	3 00	-3 00	0 00
3,654 6	15 80	135 29	3,361 0	-923 0	913 6	1,298 7	3 00	-3 00	0 00
Pictured Cliffs									
3,700 0	14 44	135 29	3,404 9	-931 4	921 9	1,310 5	3 00	-3 00	0 00
3,778 2	12 09	135 29	3,481 0	-944 2	934 5	1,328 5	3 00	-3 00	0 00
Lewis									
3,800 0	11 44	135 29	3,502 3	-947 3	937 7	1,332 9	3 00	-3 00	0 00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #257N
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #257N
TVD Reference: RKB @ 6761 0ft (H&P 282)
MD Reference: RKB @ 6761 0ft (H&P 282)
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	8.44	135.29	3,600.8	-959.6	949.8	1,350.1	3.00	-3.00	0.00
4,000.0	5.44	135.29	3,700.1	-968.2	958.3	1,362.2	3.00	-3.00	0.00
4,100.0	2.44	135.29	3,799.8	-973.0	963.1	1,369.1	3.00	-3.00	0.00
4,181.2	0.00	0.00	3,881.0	-974.3	964.3	1,370.8	3.00	-3.00	0.00
Int									
4,200.0	0.00	0.00	3,899.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,227.2	0.00	0.00	3,927.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Huerfano Bentonite									
4,300.0	0.00	0.00	3,999.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,400.0	0.00	0.00	4,099.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,199.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,577.2	0.00	0.00	4,277.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Chacra									
4,600.0	0.00	0.00	4,299.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,700.0	0.00	0.00	4,399.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,800.0	0.00	0.00	4,499.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,599.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,699.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,100.0	0.00	0.00	4,799.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,200.0	0.00	0.00	4,899.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,278.2	0.00	0.00	4,978.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Mass. Cliffhouse									
5,300.0	0.00	0.00	4,999.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,099.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,429.2	0.00	0.00	5,129.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Menefee									
5,500.0	0.00	0.00	5,199.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,299.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,399.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,499.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
5,863.2	0.00	0.00	5,563.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,599.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,699.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,100.0	0.00	0.00	5,799.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,200.0	0.00	0.00	5,899.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,279.2	0.00	0.00	5,979.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Mancos									
6,300.0	0.00	0.00	5,999.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,099.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,199.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,299.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,399.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,499.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,599.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,699.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,058.2	0.00	0.00	6,758.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Upper Gallup									
7,100.0	0.00	0.00	6,799.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,200.0	0.00	0.00	6,899.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,300.0	0.00	0.00	6,999.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,099.8	-974.3	964.3	1,370.8	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 Wells
 Site: San Juan 28 Wells
 Well: SJ 28-7 #257N
 Wellbore: Principal Wellbore
 Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #257N
 TVD Reference: RKB @ 6761 0ft (H&P 282)
 MD Reference: RKB @ 6761 0ft (H&P 282)
 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)
7,500.0	0.00	0.00	7,199.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,299.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,399.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,499.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,805.2	0.00	0.00	7,505.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Greenhorn									
7,867.2	0.00	0.00	7,567.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Graneros									
7,900.0	0.00	0.00	7,599.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
7,905.2	0.00	0.00	7,605.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Two Wells									
7,993.2	0.00	0.00	7,693.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Paguate									
8,000.0	0.00	0.00	7,699.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
8,031.2	0.00	0.00	7,731.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Upper Cubero									
8,055.2	0.00	0.00	7,755.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Lower Cubero									
8,100.0	0.00	0.00	7,799.8	-974.3	964.3	1,370.8	0.00	0.00	0.00
8,123.2	0.00	0.00	7,823.0	-974.3	964.3	1,370.8	0.00	0.00	0.00
Encinal									
8,138.2	0.00	0.00	7,838.0	-974.3	964.3	1,370.8	0.00	0.00	0.00

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 #257N - ICP	0.00	0.00	3,881.0	-974.3	964.3	2,055,316.93	564,466.17	36° 38' 53.975 N	107° 36' 48.882 W
- plan hits target center									
- Circle (radius 100.0)									
SJ 28-7 #257N - PCP	0.00	0.00	7,838.0	-974.3	964.3	2,055,316.89	564,466.14	36° 38' 53.975 N	107° 36' 48.882 W
- plan hits target center									
- Circle (radius 100.0)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surf	9-5/8	12-1/4
4,181.2	3,881.0	Int	7	8-3/4
8,138.2	7,838.0	Prod	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #257N
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #257N
TVD Reference: RKB @ 6761.0ft (H&P 282)
MD Reference: RKB @ 6761.0ft (H&P 282)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,031.2	7,731.0	Upper Cubero		0.00		
4,577.2	4,277.0	Chacra		0.00		
7,993.2	7,693.0	Paguate		0.00		
8,055.2	7,755.0	Lower Cubero		0.00		
8,123.2	7,823.0	Encinal		0.00		
2,757.8	2,550.0	Kirtland		0.00		
2,629.2	2,436.0	Ojo		0.00		
6,279.2	5,979.0	Mancos		0.00		
5,429.2	5,129.0	Menefee		0.00		
7,058.2	6,758.0	Upper Gallup		0.00		
3,778.2	3,481.0	Lewis		0.00		
5,278.2	4,978.0	Mass Cliffhouse		0.00		
	7,838.0	Total Depth		0.00		
7,805.2	7,505.0	Greenhorn		0.00		
3,192.2	2,935.0	Fruitland		0.00		
7,905.2	7,605.0	Two Wells		0.00		
7,867.2	7,567.0	Graneros		0.00		
4,227.2	3,927.0	Huerfano Bentonite		0.00		
5,863.2	5,563.0	Point Lookout		0.00		
3,654.6	3,361.0	Pictured Cliffs		0.00		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 257N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7495		AFE \$: 1,677,842.66	
Field Name: SAN JUAN		Rig: H&P Rig 282	State: NM	County: RIO ARRIBA	API #: 3003930687
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
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Directional	
Latitude: 36.651002	Longitude: -107.616865	X:	Y:	Section: 19	Range: 007W
Footage X: 1730 FWL	Footage Y: 1075 FNL	Elevation: 6745	(FT)	Township: 028N	

Tolerance:

Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.648326	Longitude: -107.613578	X:	Y:	Section: 19	Range: 007W
Footage X: 2450 FEL	Footage Y: 2050 FNL	Elevation:	(FT)	Township: 028N	

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6761 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	201	6560	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cubic ft. Circulate cement to surface.
OJO ALAMO	2436	4325	☐			
KIRTLAND	2550	4211	☐			
FRUITLAND	2935	3826	☐			Possible Gas
PICTURED CLIFFS	3361	3400	☐			
LEWIS	3481	3280	☐			
Intermediate Casing	3881	2880	☐			8-3/4" hole. 7", 23 ppf, J-55, LTC casing. Cement with 942 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	3927	2834	☐			
CHACRA	4277	2484	☐			
MASSIVE CLIFF HOUSE	4978	1783	☐	450		Gas
MENEFEE	5129	1632	☐			
POINT LOOKOUT	5563	1198	☐			
MANCOS	5979	782	☐			
UPPER GALLUP	6758	3	☐			
GREENHORN	7505	-744	☐			
GRANEROS	7567	-806	☐			
TWO WELLS	7605	-844	☐	2700		Gas
PAGUATE	7693	-932	☐			
UPPER CUBERO	7731	-970	☐			
LOWER CUBERO	7755	-994	☐			Area has more water than in past - safer to perf high and frac down.
ENCINAL	7823	-1062	☐			TD 15 into Encinal with est bottom perf 20' from TD

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 257N

DEVELOPMENT

Total Depth	7838	-1077	☐	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 580 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	28-7 199M & 257 & 257F	section19 28-7

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☒ TDT	☐ Other
no OH logs - mud log from 100' above Greenhorn to TD - loggers will call TD							

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

Comments: Location 257N