

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

RECEIVED

NOV 02 2011

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES 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

Surface: Unit O (SWSE), 775' FSL & 1535' FEL, Section 4, T29N, R7W, NMPM
BHL : Unit I (NESE), 1970' FSL & 710' FEL, Section 4, T29N, R7W, NMPM

5. Farmington Field Office
Bureau of Land Management
Lease Number
SF 078919

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 29-7 Unit

8. Well Name & Number
San Juan 29-7 Unit 82M

9. API Well No.

30-039-31080

10. Field and Pool
Blanco MV/Basin DK/
Basin Mancos

11. County and State
Rio Arriba, NM

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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

☒ Other - ☐ Add Mancos

**H₂S POTENTIAL EXIST**

13. Describe Proposed or Completed Operations

Burlington Resources Oil & Gas would also like to complete the Basin Mancos formations and trimingle production on this well (DK/MV/Mancos). Attached is a new plat that includes the Basin Mancos and C107A will be submitted and approval received before the well is commingled.

Please notice that the bottomhole target was moved as not to be NSL for DK. Also attached is a revised project proposal and directional drill plan.

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

Signed

Arleen Kellywood

Arleen Kellywood

Title Staff Regulatory Technician

Date 11/2/11

*Hold C104 for AS Drilled Plat & Dir Survey
Must Have SF OHC prior to Producing AS
commingled*

(This space for Federal or State Office use)

APPROVED BY Troy L Salvers

Title Petroleum Engineer

Date 11/4/2011

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

**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**

NMOCD

AL

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

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

Submit one copy to appropriate
District Office

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

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

☒ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31080	*Pool Code 71599/72319/97232	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE/MANCOS
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT	*Well Number 82M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6209'

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
0	4	29N	7W		775'	SOUTH	1535'	EAST	RIO ARriba

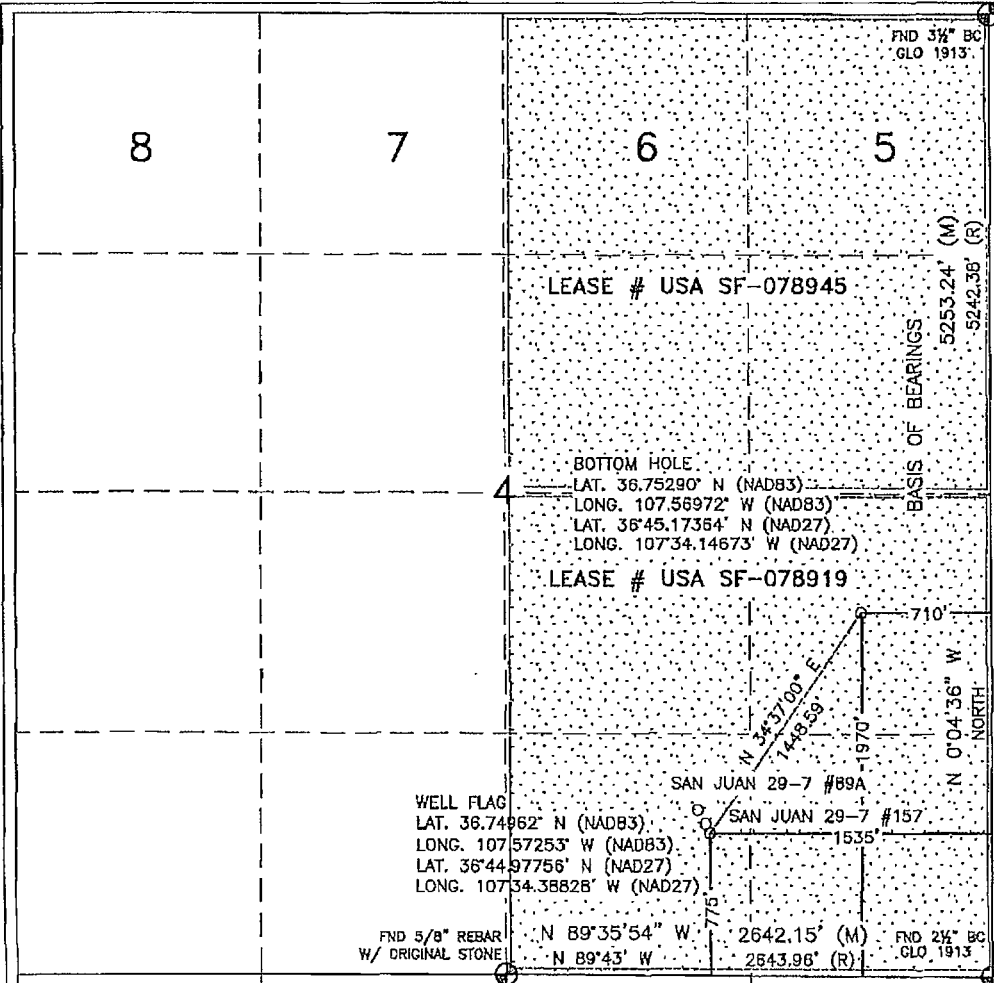
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	29N	7W		1970'	SOUTH	710'	EAST	RIO ARriba

¹² Dedicated Acres 317.38 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

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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 unleased 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen Kellywood 10/19/11
Signature Date

Arleen Kellywood
Printed Name

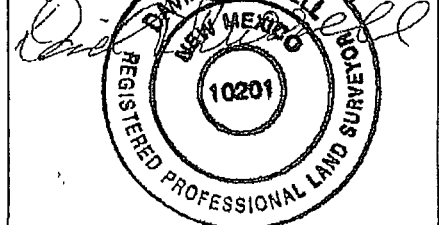
arleen.r.kellywood@conocophillips.com
E-mail Address

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.

OCTOBER 17, 2011

Date of Survey
Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 82M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7164				AFE \$:	
Field Name: SAN JUAN 29-7 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #: 3003931080
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						
RCO085	MANCOS(RCO085)						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.749614	Longitude: -107.571922	X:	Y:	Section: 04		Range: 007W	
Footage X: 1535 FEL	Footage Y: 775 FSL	Elevation: 6209	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.752744	Longitude: -107.568392	X:	Y:	Section: 04		Range: 007W	
Footage X: 500 FEL	Footage Y: 1920 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6225 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	5995		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	680	5545		☐			
OJO ALAMO	2143	4082		☐			
KIRTLAND	2260	3965		☐			
FRUITLAND	2797	3428		☐			Possible Gas
PICTURED CLIFFS	3058	3167		☐			
LEWIS	3200	3025		☐			
HUERFANITO BENTONITE	3800	2425		☐			
Intermediate Casing	3900	2325		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 963 cuft. Circulate cement to surface.
CHACRA	4080	2145		☐			
MASSIVE CLIFF HOUSE	4820	1405		☐	475		Gas
MENEFEE	4907	1318		☐			
MASSIVE POINT LOOKOUT	5280	945		☐			
MANCOS	5665	560		☐			
UPPER GALLUP	6514	-289		☐			
GREENHORN	7241	-1016		☐			
GRANEROS	7295	-1070		☐			
TWO WELLS	7358	-1133		☐	2325		Gas
UPPER CUBERO	7456	-1231		☐			
LOWER CUBERO	7483	-1258		☐			
ENCINAL	7553	-1328		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 82M

DEVELOPMENT

TOTAL DEPTH DK	7553	-1328	☐	6-1/4" Hole. 4-1/2", 11.6 ppf, J-55 LTC casing. Cement with 499 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL. Est bottom perf ~15' above TD. Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

San Juan 29 Wells

SJ 29-7 #82M

SJ 29-7 #82M

Plan: Plan #1

Standard Planning Report

01 November, 2011

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6224.0ft (AD RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6224.0ft (AD RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #82M		
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:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site		San Juan 29 Wells			
Site Position:		Northing:	2,094,594.32ft	Latitude:	36° 45' 21.930 N
From:	Lat/Long	Easting:	582,092.15ft	Longitude:	107° 33' 11.172 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.17 °

Well:	SJ 29-7 #82M, MV/DK S-Shaped, Long Step out, Lewis Included					
Well Position	+N/-S	0.0 ft	Northing:	2,092,220.55 ft	Latitude:	36° 44' 58.610 N
	+E/-W	0.0 ft	Easting:	576,585.73 ft	Longitude:	107° 34' 18.919 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,209.0 ft

Wellbore:	SJ 29-7 #82M				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	11/1/2011	9.77	63.50	50,704

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	34.58

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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,145.9	35.92	34.58	2,030.5	448.5	309.2	2.00	2.00	0.00	34.58	
3,070.9	35.92	34.58	2,779.6	895.2	617.1	0.00	0.00	0.00	0.00	
4,268.1	0.00	0.00	3,900.0	1,194.2	823.2	3.00	-3.00	0.00	180.00	SJ 29-7 #82M - ICF
7,921.1	0.00	0.00	7,553.0	1,194.2	823.2	0.00	0.00	0.00	0.00	SJ 29-7 #82M - PCI

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6224.0ft (AD RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6224.0ft (AD RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #82M		
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
230.0	0.00	0.00	230.0	0.0	0.0	0.0	0.00	0.00	0.00
Surf. Csg.									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.00	34.58	400.0	0.4	0.2	0.4	2.00	2.00	0.00
500.0	3.00	34.58	499.9	3.2	2.2	3.9	2.00	2.00	0.00
600.0	5.00	34.58	599.7	9.0	6.2	10.9	2.00	2.00	0.00
680.7	6.61	34.58	680.0	15.7	10.8	19.1	2.00	2.00	0.00
NACIMIENTO									
700.0	7.00	34.58	699.1	17.6	12.1	21.4	2.00	2.00	0.00
800.0	9.00	34.58	798.2	29.0	20.0	35.3	2.00	2.00	0.00
900.0	11.00	34.58	896.6	43.3	29.9	52.6	2.00	2.00	0.00
1,000.0	13.00	34.58	994.4	60.5	41.7	73.4	2.00	2.00	0.00
1,100.0	15.00	34.58	1,091.5	80.4	55.4	97.6	2.00	2.00	0.00
1,200.0	17.00	34.58	1,187.6	103.1	71.0	125.2	2.00	2.00	0.00
1,300.0	19.00	34.58	1,282.7	128.5	88.6	156.1	2.00	2.00	0.00
1,400.0	21.00	34.58	1,376.6	156.7	108.0	190.3	2.00	2.00	0.00
1,500.0	23.00	34.58	1,469.4	187.5	129.3	227.7	2.00	2.00	0.00
1,600.0	25.00	34.58	1,560.7	221.0	152.3	268.4	2.00	2.00	0.00
1,700.0	27.00	34.58	1,650.6	257.1	177.2	312.2	2.00	2.00	0.00
1,800.0	29.00	34.58	1,738.9	295.7	203.9	359.2	2.00	2.00	0.00
1,900.0	31.00	34.58	1,825.5	336.9	232.2	409.2	2.00	2.00	0.00
2,000.0	33.00	34.58	1,910.3	380.5	262.3	462.2	2.00	2.00	0.00
2,100.0	35.00	34.58	1,993.2	426.6	294.1	518.1	2.00	2.00	0.00
2,145.9	35.92	34.58	2,030.5	448.5	309.2	544.7	2.00	2.00	0.00
2,200.0	35.92	34.58	2,074.4	474.6	327.2	576.5	0.00	0.00	0.00
2,284.7	35.92	34.58	2,143.0	515.5	355.4	626.2	0.00	0.00	0.00
OJO ALAMO									
2,300.0	35.92	34.58	2,155.4	522.9	360.5	635.1	0.00	0.00	0.00
2,400.0	35.92	34.58	2,236.3	571.2	393.8	693.8	0.00	0.00	0.00
2,429.2	35.92	34.58	2,260.0	585.3	403.5	710.9	0.00	0.00	0.00
KIRTLAND									
2,500.0	35.92	34.58	2,317.3	619.5	427.1	752.4	0.00	0.00	0.00
2,600.0	35.92	34.58	2,398.3	667.8	460.4	811.1	0.00	0.00	0.00
2,700.0	35.92	34.58	2,479.3	716.1	493.7	869.8	0.00	0.00	0.00
2,800.0	35.92	34.58	2,560.3	764.4	526.9	928.4	0.00	0.00	0.00
2,900.0	35.92	34.58	2,641.3	812.7	560.2	987.1	0.00	0.00	0.00
3,000.0	35.92	34.58	2,722.3	861.0	593.5	1,045.7	0.00	0.00	0.00
3,070.9	35.92	34.58	2,779.6	895.2	617.1	1,087.3	0.00	0.00	0.00
3,092.2	35.28	34.58	2,797.0	905.4	624.2	1,099.7	3.00	-3.00	0.00
FRUITLAND									
3,100.0	35.04	34.58	2,803.4	909.1	626.7	1,104.2	3.00	-3.00	0.00
3,200.0	32.04	34.58	2,886.7	954.6	658.1	1,159.5	3.00	-3.00	0.00
3,300.0	29.04	34.58	2,972.8	996.5	686.9	1,210.3	3.00	-3.00	0.00
3,396.1	26.16	34.58	3,058.0	1,033.1	712.2	1,254.8	3.00	-3.00	0.00
PICTURED CLIFFS									
3,400.0	26.04	34.58	3,061.5	1,034.5	713.2	1,256.5	3.00	-3.00	0.00
3,500.0	23.04	34.58	3,152.4	1,068.7	736.7	1,298.1	3.00	-3.00	0.00
3,551.4	21.50	34.58	3,200.0	1,084.8	747.8	1,317.5	3.00	-3.00	0.00
LEWIS									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6224.0ft (AD RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6224.0ft (AD RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #82M		
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)	
3,600.0	20.04	34.58	3,245.5	1,098.9	757.6	1,334.8	3.00	-3.00	0.00	
3,700.0	17.04	34.58	3,340.3	1,125.1	775.6	1,366.6	3.00	-3.00	0.00	
3,800.0	14.04	34.58	3,436.6	1,147.2	790.8	1,393.4	3.00	-3.00	0.00	
3,900.0	11.04	34.58	3,534.2	1,165.1	803.2	1,415.1	3.00	-3.00	0.00	
4,000.0	8.04	34.58	3,632.8	1,178.7	812.6	1,431.7	3.00	-3.00	0.00	
4,100.0	5.04	34.58	3,732.1	1,188.1	819.0	1,443.0	3.00	-3.00	0.00	
4,168.0	3.00	34.58	3,800.0	1,192.0	821.7	1,447.8	3.00	-3.00	0.00	
HUERFANITO BENTONITE										
4,200.0	2.04	34.58	3,831.9	1,193.2	822.5	1,449.2	3.00	-3.00	0.00	
4,268.1	0.00	0.00	3,900.0	1,194.2	823.2	1,450.4	3.00	-3.00	0.00	
Int. Csg. - SJ 29-7 #82M - ICP										
4,300.0	0.00	0.00	3,931.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,031.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,448.1	0.00	0.00	4,080.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
CHACRA										
4,500.0	0.00	0.00	4,131.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,231.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,331.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,431.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,531.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,631.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,731.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,188.1	0.00	0.00	4,820.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
MASSIVE CLIFF HOUSE										
5,200.0	0.00	0.00	4,831.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,275.1	0.00	0.00	4,907.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
MENEFEE										
5,300.0	0.00	0.00	4,931.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,031.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,131.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,231.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,648.1	0.00	0.00	5,280.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
MASSIVE POINT LOOKOUT										
5,700.0	0.00	0.00	5,331.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,431.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,531.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,631.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,033.1	0.00	0.00	5,665.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
MANCOS										
6,100.0	0.00	0.00	5,731.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,831.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,931.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,031.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,131.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,231.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,331.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,431.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
6,882.1	0.00	0.00	6,514.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
UPPER GALLUP										
6,900.0	0.00	0.00	6,531.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,631.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,731.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6224.0ft (AD RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6224.0ft (AD RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey/Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #82M		
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)	
7,200.0	0.00	0.00	6,831.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,300.0	0.00	0.00	6,931.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,031.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,131.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,231.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,609.1	0.00	0.00	7,241.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
GREENHORN										
7,663.1	0.00	0.00	7,295.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
GRANEROS										
7,700.0	0.00	0.00	7,331.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,726.1	0.00	0.00	7,358.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
TWO WELLS										
7,800.0	0.00	0.00	7,431.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,824.1	0.00	0.00	7,456.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
UPPER CUBERO										
7,851.1	0.00	0.00	7,483.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
LOWER CUBERO										
7,900.0	0.00	0.00	7,531.9	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
7,921.1	0.00	0.00	7,553.0	1,194.2	823.2	1,450.4	0.00	0.00	0.00	
ENCINAL - TOTAL DEPTH DK - Prod. Csg. - SJ 29-7 #82M - PCP										

Targets										
Target Name	hit/miss/target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 29-7 #82M - PCP		0.00	0.00	7,553.0	1,194.2	823.2	2,093,416.88	577,405.64	36° 45' 10.418 N	107° 34' 8.804 W
- plan hits target center										
- Point										
SJ 29-7 #82M - ICP		0.00	0.00	3,900.0	1,194.2	823.2	2,093,416.88	577,405.64	36° 45' 10.418 N	107° 34' 8.804 W
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
230.0	230.0	Surf. Csg.	9-5/8	12-1/4	
4,268.1	3,900.0	Int. Csg.	7	8-3/4	
7,921.1	7,553.0	Prod. Csg.	4-1/2	6-1/4	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6224.0ft (AD RIGS)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6224.0ft (AD RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #82M		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,284.7	2,143.0	OJO ALAMO				
3,092.2	2,797.0	FRUITLAND				
7,921.1	7,553.0	ENCINAL				
7,824.1	7,456.0	UPPER CUBERO				
6,882.1	6,514.0	UPPER GALLUP				
2,429.2	2,260.0	KIRTLAND				
5,188.1	4,820.0	MASSIVE CLIFF HOUSE				
3,551.4	3,200.0	LEWIS				
7,609.1	7,241.0	GREENHORN				
5,648.1	5,280.0	MASSIVE POINT LOOKOUT				
7,663.1	7,295.0	GRANEROS				
3,396.1	3,058.0	PICTURED CLIFFS				
4,168.0	3,800.0	HUERFANITO BENTONITE				
7,851.1	7,483.0	LOWER CUBERO				
4,448.1	4,080.0	CHACRA				
7,921.1	7,553.0	TOTAL DEPTH DK				
680.7	680.0	NACIMIENTO				
7,726.1	7,358.0	TWO WELLS				
6,033.1	5,665.0	MANCOS				
5,275.1	4,907.0	MENEFEE				

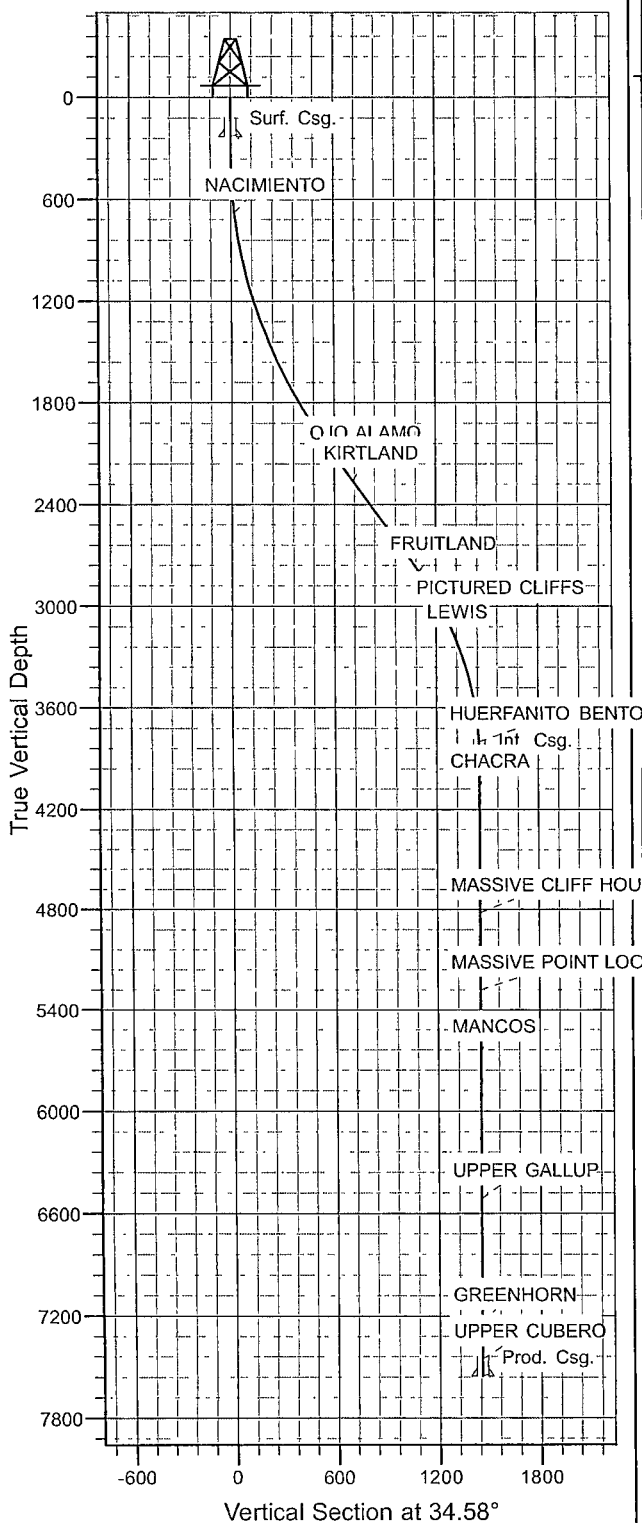
KB @ 6224.0ft (AD RIGS)
 Ground Elevation 6209.0
 Reference Lat: 36° 44' 58.610 N
 Reference Long: 107° 34' 18.919 W

Project: San Juan Basin - New Mexico West v
 Site: San Juan 29 Wells
 Well: SJ 29-7 #82M
 Wellbore: SJ 29-7 #82M
 Design: Plan #1



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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	2145.9	35.92	34.58	2030.5	448.5	309.2	2.00	34.58	544.7	
4	3070.9	35.92	34.58	2779.6	895.2	617.1	0.00	0.00	1087.3	
5	4268.1	0.00	0.00	3900.0	1194.2	823.2	3.00	180.00	1450.4	SJ 29-7 #82M - ICP
6	7921.1	0.00	0.00	7553.0	1194.2	823.2	0.00	0.00	1450.4	SJ 29-7 #82M - PCP



FORMATION TOP DETAILS

VDPPath	MDPath	Formation
680.0	680.7	NACIMIENTO
2143.0	2284.7	OJO ALAMO
2260.0	2429.2	KIRTLAND
2797.0	3092.2	FRUITLAND
3058.0	3396.1	PICTURED CLIFF
3200.0	3551.4	LEWIS
3800.0	4168.0	HUERFANITO BE
4080.0	4448.1	CHACRA
4820.0	5188.1	MASSIVE CLIFF H
4907.0	5275.1	MENEFEE
5280.0	5648.1	MASSIVE POINT
5665.0	6033.1	MANCOS
6514.0	6882.1	UPPER GALLUP
7241.0	7609.1	GREENHORN
7295.0	7663.1	GRANEROS
7358.0	7726.1	TWO WELLS
7456.0	7824.1	UPPER CUBERO
7483.0	7851.1	LOWER CUBERO
7553.0	7921.1	ENCINAL
7553.0	7921.1	TOTAL DEPTH DK

