

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

Sundry Notices and Reports on Wells

- | | |
|---|---|
| <p>1. Type of Well
GAS</p> <p>2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP</p> <p>3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M
Surface: Unit J (NWSE), 1860' FSL & 1495' FEL, Section 10, T25N, R6W, NMPM
BHL: Unit I (NESE), 1705' FSL & 490' FEL, Section 10, T25N, R6W, NMPM</p> | <p>5. Lease Number
SF-078885</p> <p>6. If Indian, All. or
Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name & Number
Canyon Largo Unit 292E</p> <p>9. API Well No.
30-039-3095</p> <p>10. Field and Pool
Basin Dakota</p> <p>11. County and State
Rio Arriba, NM</p> |
|---|---|

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

RCVD JUN 2 '11
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

Burlington Resources requests permission to change the Master Drilling Type of the subject well from Type 4 to Type 3. The change will include an intermediate casing and an air-drilled production casing. New project proposal, directional drill plan and plot is attached.

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

Signed Dollie L. Busse Dollie L. Busse Title Staff Regulatory Technician Date 9-23-10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AFM Date 10/19/10
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.

OPERATOR A

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

*API Number 30-039-30951	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 6886	*Property Name CANYON LARGO UNIT	*Well Number 292E
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6716'

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
J	10	25-N	6-W		1860	SOUTH	1495	EAST	RIO ARRIBA

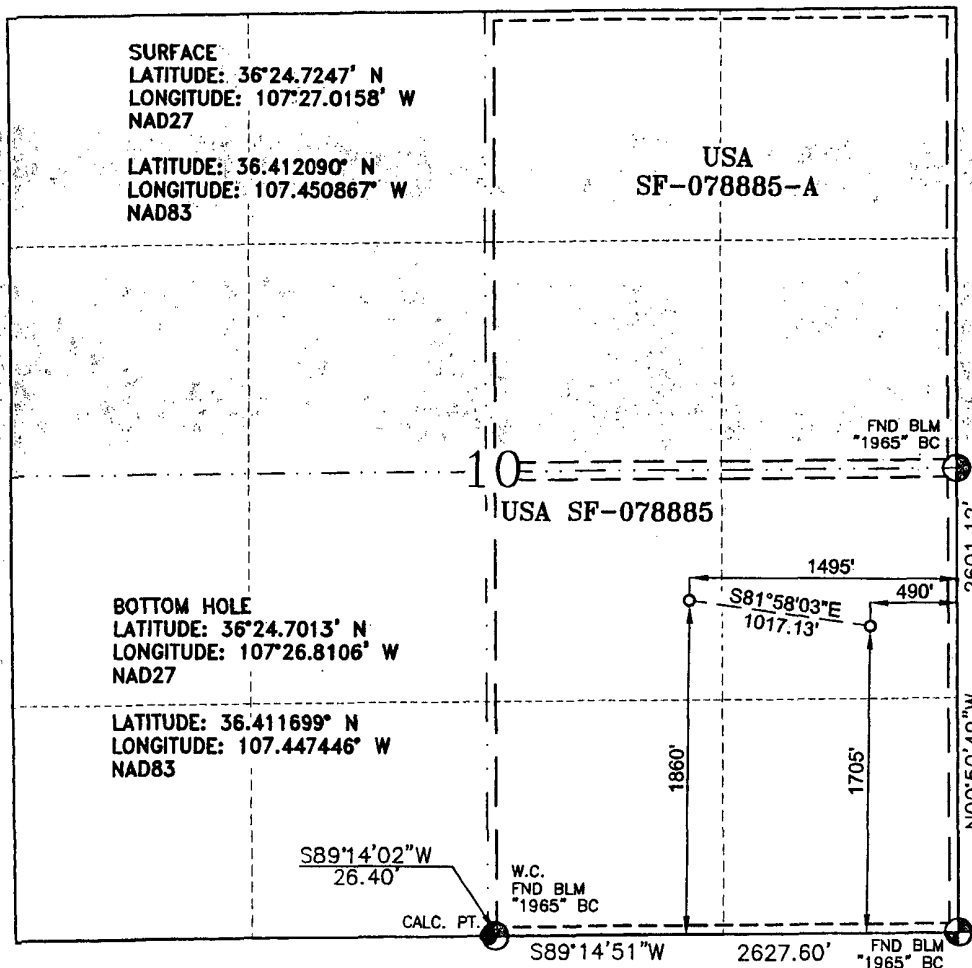
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	Feet from the	East/West Line	County	
1	10	25-N	6-W		1705	SOUTH	490	EAST	RIO ARRIBA

¹³ Dedicated Acres DK 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

16



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 lands 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 is a working interest in a working interest agreement or a compulsory pooling, order heretofore entered by the division.

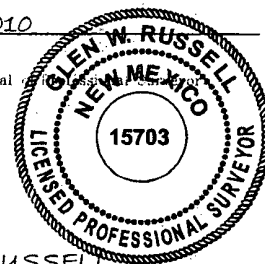
Brandie Blakley
Signature
Brandie Blakley
Printed Name

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.

JUNE 1, 2010
Date of Survey

Signature and Seal of the Issuing Authority



GLEN W. RUSSELL
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

CANYON LARGO UNIT 292E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9051				AFE \$: 1,403,860.29	
Field Name: SAN JUAN		Rig: Aztec Rig 920		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.412079	Longitude: -107.450263	X:	Y:	Section: 10	Range: 006W		
Footage X: 1495 FEL	Footage Y: 1860 FSL	Elevation: 6716	(FT)	Township: 025N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.411688	Longitude: -107.446842	X:	Y:	Section: 10	Range: 006W		
Footage X: 490 FEL	Footage Y: 1705 FSL	Elevation:	(FT)	Township: 025N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6731 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6501		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1053	5678		☐			
OJO ALAMO	2141	4590		☐			
KIRTLAND	2319	4412		☐			
FRUITLAND	2421	4310		☐			Possible Gas
PICTURED CLIFFS	2791	3940		☐			
LEWIS	2862	3869		☐			
HUERFANITO BENTONITE	3182	3549		☐			
CHACRA	3641	3090		☐			
MASSIVE CLIFF HOUSE	4405	2326		☐	400		Gas; Cliff House is wet
MENEFEE	4443	2288		☐			
Intermediate Casing	4593	2138		☐			97 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1089 cuft. Circulate cement to surface.
POINT LOOKOUT	5005	1726		☐			
MANCOS	5316	1415		☐			
UPPER GALLUP	6030	701		☐			
GREENHORN	6929	-198		☐			
GRANEROS	6979	-248		☐			
TWO WELLS	7037	-306		☐	3075		Gas
PAGUATE	7077	-346		☐			
UPPER CUBERO	7123	-392		☐			
LOWER CUBERO	7155	-424		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 292E

DEVELOPMENT

OAK CANYON	7178	-447	☐		OKCN sand is well developed in some area wells & matches better production.
ENCINAL	7229	-498	☐		Bottom perf estimated 30' into Encinal only if separation from BRCN.
Total Depth	7261	-530	☐	180	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 368 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7261	-530	☐		TD - T/BRCN Burro Canyon is likely wet in this area.
MORRISON	7325	-594	☐		

Reference Wells:		
Reference Type	Well Name	Comments
Production	Canyon Largo 278	SW11-25-6
Production	Canyon Largo 409	NE15-25-6
Production	Canyon Largo 292	NE10-25-6

Logging Program:

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

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

No open hole logs required. 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

ConocoPhillips SJB

San Juan Basin - New Mexico Wells

Other Named Wells

Canyon Largo #292E

Principal Wellbore

Plan: Plan #1

Standard Planning Report

21 September, 2010

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Canyon Largo #292E
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 8731.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 8731.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Canyon Largo #292E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico 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:	Other Named Wells		
Site Position:		Northing:	2,108,178.26 ft
From:	Lat/Long	Easting:	643,887.63 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Grid Convergence:	0.29"

Well:	Canyon Largo #292E, Directional "S" Curve Short, Dakota		
Well Position	+N-S	0.0 ft	Northing:
	+E-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	6,716.0 ft

Wellbore:	Principal Wellbore		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	9/21/2010	9.80
			Dip Angle
			63.29
			Field Strength
			50,662

Design:	Plan #1		
Audit Notes:			
Version:	1	Phase:	PROTOTYPE
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			98.03

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
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	
1,475.2	34.66	98.03	1,408.1	-47.3	335.5	3.00	3.00	0.00	98.03	
2,070.8	34.66	98.03	1,895.9	-94.6	670.9	0.00	0.00	0.00	0.00	
3,226.0	0.00	0.00	2,982.0	-142.0	1,006.4	3.00	-3.00	0.00	180.00	Canyon Largo #292E
4,837.0	0.00	0.00	4,593.0	-142.0	1,006.4	0.00	0.00	0.00	0.00	Canyon Largo #292E
7,505.0	0.00	0.00	7,261.0	-142.0	1,006.4	0.00	0.00	0.00	0.00	Canyon Largo #292E

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Canyon Largo #292E
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6731.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6731.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Canyon Largo #292E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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
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	98.03	400.0	-0.2	1.7	1.7	3.00	3.00	0.00
500.0	5.40	98.03	499.7	-1.2	8.4	8.5	3.00	3.00	0.00
600.0	8.40	98.03	599.0	-2.9	20.3	20.5	3.00	3.00	0.00
700.0	11.40	98.03	697.5	-5.3	37.3	37.7	3.00	3.00	0.00
800.0	14.40	98.03	795.0	-8.4	59.4	60.0	3.00	3.00	0.00
900.0	17.40	98.03	891.1	-12.2	86.5	87.4	3.00	3.00	0.00
1,000.0	20.40	98.03	985.7	-16.7	118.6	119.8	3.00	3.00	0.00
1,072.3	22.57	98.03	1,053.0	-20.4	144.8	146.3	3.00	3.00	0.00
Nacimiento									
1,100.0	23.40	98.03	1,078.5	-21.9	155.5	157.1	3.00	3.00	0.00
1,200.0	26.40	98.03	1,169.2	-27.8	197.2	199.2	3.00	3.00	0.00
1,300.0	29.40	98.03	1,257.6	-34.4	243.6	246.0	3.00	3.00	0.00
1,400.0	32.40	98.03	1,343.4	-41.5	294.4	297.3	3.00	3.00	0.00
1,475.2	34.66	98.03	1,406.1	-47.3	335.5	338.9	3.00	3.00	0.00
1,500.0	34.66	98.03	1,426.4	-49.3	349.5	352.9	0.00	0.00	0.00
1,600.0	34.66	98.03	1,508.7	-57.2	405.8	409.8	0.00	0.00	0.00
1,700.0	34.66	98.03	1,591.0	-65.2	462.1	466.7	0.00	0.00	0.00
1,800.0	34.66	98.03	1,673.2	-73.1	518.4	523.5	0.00	0.00	0.00
1,900.0	34.66	98.03	1,755.5	-81.1	574.7	580.4	0.00	0.00	0.00
2,000.0	34.66	98.03	1,837.7	-89.0	631.0	637.3	0.00	0.00	0.00
2,070.8	34.66	98.03	1,895.9	-94.6	670.9	677.5	0.00	0.00	0.00
2,100.0	33.78	98.03	1,920.1	-96.9	687.2	694.0	3.00	-3.00	0.00
2,200.0	30.78	98.03	2,004.6	-104.4	740.0	747.4	3.00	-3.00	0.00
2,300.0	27.78	98.03	2,091.9	-111.2	788.5	796.3	3.00	-3.00	0.00
2,355.1	26.13	98.03	2,141.0	-114.7	813.2	821.2	3.00	-3.00	0.00
Ojo Alamo									
2,400.0	24.78	98.03	2,181.5	-117.4	832.3	840.5	3.00	-3.00	0.00
2,500.0	21.78	98.03	2,273.4	-122.9	871.4	880.0	3.00	-3.00	0.00
2,548.9	20.31	98.03	2,319.0	-125.4	888.8	897.6	3.00	-3.00	0.00
Kirtland									
2,600.0	18.78	98.03	2,367.2	-127.8	905.7	914.7	3.00	-3.00	0.00
2,656.6	17.08	98.03	2,421.0	-130.2	923.0	932.1	3.00	-3.00	0.00
Fruitland									
2,700.0	15.78	98.03	2,462.6	-131.9	935.1	944.4	3.00	-3.00	0.00
2,800.0	12.78	98.03	2,559.5	-135.4	959.6	969.1	3.00	-3.00	0.00
2,900.0	9.78	98.03	2,657.6	-138.1	978.9	988.6	3.00	-3.00	0.00
3,000.0	6.78	98.03	2,756.5	-140.1	993.2	1,003.0	3.00	-3.00	0.00
3,034.7	5.74	98.03	2,791.0	-140.6	996.9	1,006.8	3.00	-3.00	0.00
Pictured Cliffs									
3,100.0	3.78	98.03	2,856.1	-141.4	1,002.3	1,012.2	3.00	-3.00	0.00
3,105.9	3.60	98.03	2,862.0	-141.4	1,002.7	1,012.6	3.00	-3.00	0.00
Lewis									
3,200.0	0.78	98.03	2,956.0	-141.9	1,006.2	1,016.2	3.00	-3.00	0.00
3,226.0	0.00	0.00	2,982.0	-142.0	1,006.4	1,016.4	3.00	-3.00	-377.07
Canyon Largo #292E - VACP									
3,300.0	0.00	0.00	3,056.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Canyon Largo #292E
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6731.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6731.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Canyon Largo #292E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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)
3,400.0	0.00	0.00	3,156.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
3,426.0	0.00	0.00	3,182.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Huertanito Bentonite									
3,500.0	0.00	0.00	3,256.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
3,600.0	0.00	0.00	3,356.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
3,700.0	0.00	0.00	3,456.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
3,800.0	0.00	0.00	3,556.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
3,885.0	0.00	0.00	3,641.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Chacra									
3,900.0	0.00	0.00	3,656.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,000.0	0.00	0.00	3,756.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,100.0	0.00	0.00	3,856.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,200.0	0.00	0.00	3,956.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,300.0	0.00	0.00	4,056.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,156.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,500.0	0.00	0.00	4,256.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,356.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,649.0	0.00	0.00	4,405.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Massive Cliffhouse									
4,687.0	0.00	0.00	4,443.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Menefee									
4,700.0	0.00	0.00	4,456.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,556.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
4,837.0	0.00	0.00	4,593.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Intermediate - Canyon Largo #292E - ICP									
4,900.0	0.00	0.00	4,656.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,756.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,100.0	0.00	0.00	4,856.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,200.0	0.00	0.00	4,956.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,249.0	0.00	0.00	5,005.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Point Lookout									
5,300.0	0.00	0.00	5,056.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,156.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,256.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,560.0	0.00	0.00	5,316.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Mancos									
5,600.0	0.00	0.00	5,356.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,456.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,556.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,656.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,756.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,100.0	0.00	0.00	5,856.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,200.0	0.00	0.00	5,956.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,274.0	0.00	0.00	6,030.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Upper Gallup									
6,300.0	0.00	0.00	6,056.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,156.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,256.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,356.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,456.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,556.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,656.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Canyon Largo #292E
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6731.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6731.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Canyon Largo #292E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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)
7,000.0	0.00	0.00	6,756.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
7,100.0	0.00	0.00	6,856.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
7,173.0	0.00	0.00	6,929.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Greenhorn									
7,200.0	0.00	0.00	6,956.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
7,223.0	0.00	0.00	6,979.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Graneros									
7,281.0	0.00	0.00	7,037.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Two Wells									
7,300.0	0.00	0.00	7,056.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
7,321.0	0.00	0.00	7,077.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Paguete									
7,367.0	0.00	0.00	7,123.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Upper Cubero									
7,399.0	0.00	0.00	7,155.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Lower Cubero									
7,400.0	0.00	0.00	7,156.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
7,422.0	0.00	0.00	7,178.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Oak Canyon									
7,473.0	0.00	0.00	7,229.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Encinal									
7,505.0	0.00	0.00	7,261.0	-142.0	1,006.4	1,016.4	0.00	0.00	0.00
Total Depth - Production - Canyon Largo #292E - 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
Canyon Largo #292E - V	- plan hits target center - Circle (radius 100.0)	0.00	0.00	2,982.0	-142.0	1,006.4	1,969,327.18	613,724.73	36° 24' 42.078 N 107° 26' 48.636 W
Canyon Largo #292E - F	- plan hits target center - Circle (radius 100.0)	0.00	0.00	7,261.0	-142.0	1,006.4	1,969,327.18	613,724.73	36° 24' 42.078 N 107° 26' 48.636 W
Canyon Largo #292E - II	- plan hits target center - Circle (radius 100.0)	0.00	0.00	4,593.0	-142.0	1,006.4	1,969,327.18	613,724.73	36° 24' 42.078 N 107° 26' 48.636 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surface	9-5/8	12-1/4	
4,837.0	4,593.0	intermediate	7	8-3/4	
7,505.0	7,261.0	Production	4-1/2	6-1/4	

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Planning Report

Datibase:	EDM Central Planning	Local Co-ordinate Reference:	Well Canyon Largo #292E
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6731.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6731.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	Canyon Largo #292E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,281.0	7,037.0	Two Wells		0.00		
3,105.9	2,862.0	Lewis		0.00		
4,687.0	4,443.0	Menefee		0.00		
7,505.0	7,261.0	Total Depth		0.00		
6,274.0	6,030.0	Upper Gallup		0.00		
7,321.0	7,077.0	Paguate		0.00		
2,548.9	2,319.0	Kirtland		0.00		
1,072.3	1,053.0	Nacimiento		0.00		
2,355.1	2,141.0	Ojo Alamo		0.00		
2,656.6	2,421.0	Fruitland		0.00		
7,422.0	7,178.0	Oak Canyon		0.00		
7,367.0	7,123.0	Upper Cubero		0.00		
3,034.7	2,791.0	Pictured Cliffs		0.00		
7,473.0	7,229.0	Encinal		0.00		
7,399.0	7,155.0	Lower Cubero		0.00		
3,885.0	3,641.0	Chacra		0.00		
7,223.0	6,979.0	Graneros		0.00		
5,560.0	5,316.0	Mancos		0.00		
5,249.0	5,005.0	Point Lookout		0.00		
3,426.0	3,182.0	Huerfano Bentonite		0.00		
4,649.0	4,405.0	Massive Cliffhouse		0.00		
7,173.0	6,929.0	Greenhorn		0.00		

REFERENCE INFORMATION

RKB @ 6731.0ft (AWS RIGS)
Ground Elevation 6716.0
Reference Lat: 36° 24' 43.482 N
Reference Long: 107° 27' 0.948 W

Project: San Juan Basin - New Mexico Well

Site: Other Named Wells

Well: Canyon Largo #292E

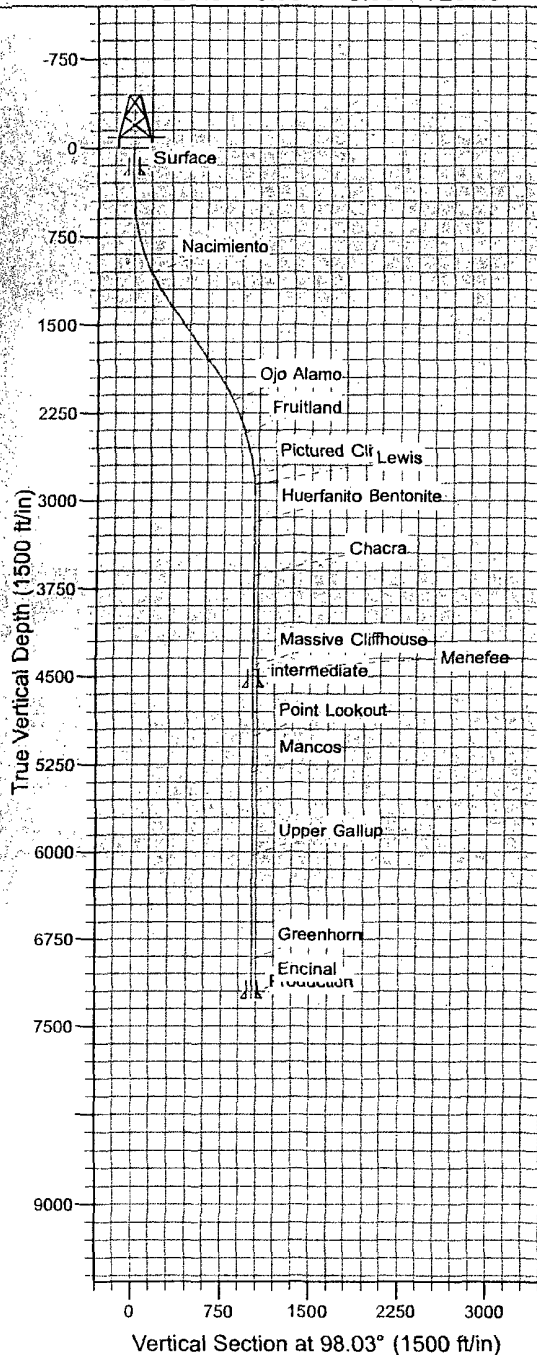
Wellbore: Principal Wellbore

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1475.2	34.66	98.03	1406.1	-47.3	335.5	3.00	98.03	338.9	
4	2070.8	34.66	98.03	1895.9	-94.6	670.9	0.00	0.00	677.5	
5	3226.0	0.00	0.00	2982.0	-142.0	1006.4	3.00	180.00	1016.4	Canyon Largo #292E - VACP
6	4837.0	0.00	0.00	4593.0	-142.0	1006.4	0.00	0.00	1016.4	Canyon Largo #292E - ICP
7	7505.0	0.00	0.00	7261.0	-142.0	1006.4	0.00	0.00	1016.4	Canyon Largo #292E - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1053.0	1072.3	Nacimiento
2141.0	2355.1	Ojo Alamo
2319.0	2548.9	Kirtland
2421.0	2656.6	Fruitland
2791.0	3034.7	Pictured Cliffs
2862.0	3105.9	Lewis
3182.0	3426.0	Huerfano Bentonite
3641.0	3885.0	Chacra
4405.0	4649.0	Massive Cliffhouse
4443.0	4687.0	Menefee
5005.0	5249.0	Point Lookout
5316.0	5560.0	Mancos
6030.0	6274.0	Upper Gallup
6929.0	7173.0	Greenhorn
6979.0	7223.0	Graneros
7037.0	7281.0	Two Wells
7077.0	7321.0	Paguate
7123.0	7367.0	Upper Cubero
7155.0	7399.0	Lower Cubero
7178.0	7422.0	Oak Canyon
7229.0	7473.0	Encinal
7261.0	7505.0	Total Depth

