

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

RECEIVED**MAR 22 2011**

Sundry Notices and Reports on Wells

Farmington Field Off.
Bureau of Land Management**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 G (SWNE), 2425' FNL & 2435' FEL, Section 4, T30N, R5W, NMPM

BHL: Unit J (NWSE), 1500' FSL & 1885' FEL, Section 4, T30N, R5W, NMPM

5. Lease Number

NM-4456

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name**8. Well Name & Number**

Cat Draw Com 1M

9. API Well No.

30-039-30766

10. Field and Pool

Blanco MV / Basin DK

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

Type of Action☐

Abandonment

☒

Change of Plans

Other —

☐

Subsequent Report

☐

Recompletion

☐

New Construction

☐

Final Abandonment

☐

Plugging

☐

Non-Routine Fracturing

☐

Casing Repair

☐

Water Shut off

☐

Altering Casing

☐

Conversion to Injection

13. Describe Proposed or Completed Operations

Burlington Resources wishes to move the subject well and add a bottomhole location from the APD approved footages of Unit J (NWSE), 2365' FSL & 1885' FEL to Unit G (SWNE), 2425' FNL & 2435' FEL with a bottomhole location of Unit J (NWSE), 1500' FSL & 1885' FEL. The new plat, pad diagram, cut & fills, project proposal, directional drill plans & plots are attached.

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

Signed



Dollie L. Busse

Title Staff Regulatory TechDate 3/22/11

(This space for Federal or State Office use)

APPROVED BY Troy L. SalyersTitle Petroleum EngineerDate 6/9/2011

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 A

Form C-102
Revised October 12, 2006

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30766		² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 25880	⁵ Property Name CAT DRAW COM		⁶ Well Number 1M
⁷ OGRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6458'

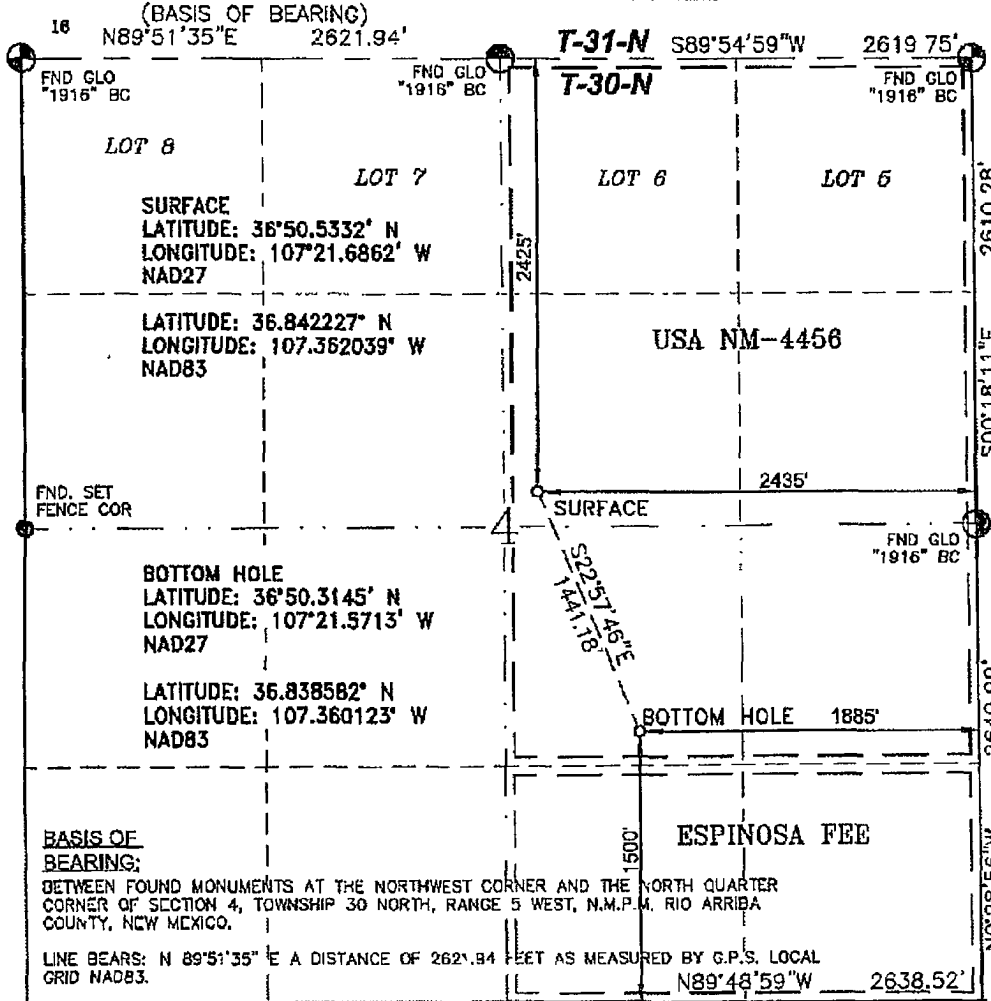
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the North/South line	Feet from the East/West line	County
G	4	30-N	5-W	2425	NORTH	2435	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
J	4	30-N	5-W		1500	SOUTH	1885	EAST	RIO ARriba
¹² Dedicated Acres DK 319.13 ACRES E/2 MV 319.13 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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 unleased mineral interest in the land including the proposed bottom hole location or has a right to drill the well at this location pursuant to a contract with an owner of such a mineral or oil interest, or to a water pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature Estel Talsya 2/26/10

Crystal Tafoya 2/26/10
Printed Name

18 SURVEYOR CERTIFICATION

I hereby verify 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.

November 11, 2009
Date of Survey

Signature and Seal of _____



GLEN W. RUSSELL
Certificate Number

15703

Directions from the Post Office
in Blanco, NM
to
BURLINGTON RESOURCES OIL & GAS CO LP
CAT DRAW COM #1M
2425' FNL & 2435' FEL,
Section 4, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 50' 32.018" N
Longitude: 107° 21' 43.339" W
Nad 83

From the Post Office in Blanco, NM

Take Highway 64 East for 28.8 miles

To Hwy 527 (Simms Mesa Hwy),

Turn left (northwest) on Hwy 527 for 8.0 miles,

To Rosa Road, turn right (northeast) for 6.6 miles,

Across La Jara Bridge to the top of the Mesa,

continue (northeasterly) 1.2 miles,

turn right (easterly) 1.3 miles,

continue (southerly) for 1.4 miles,

continue (northeasterly) for 0.8 miles,

turn left (north) for 1.0 miles,

turn right (easterly) 0.2 miles to beginning of new access on left side of road,

turn left and proceed (northeasterly) 118.67' to the newly staked location.



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CAT DRAW COM 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8092		AFE \$: 1,268,472.23	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.842220	Longitude: -107.361437	X:	Y:	Section: 04	Range: 005W
Footage X: 2435 FEL	Footage Y: 2425 FSL	Elevation: 6458	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.838575	Longitude: -107.359522	X:	Y:	Section: 04	Range: 005W
Footage X: 1885 FEL	Footage Y: 1500 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6488 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6288	☐		
OJO ALAMO	2526	3962	☐		
KIRTLAND	2696	3792	☐		
FRUITLAND COAL	3188	3300	☐		
PICTURED CLIFFS	3442	3046	☐		
LEWIS	3629	2859	☐		
Intermediate Casing	3729	2759	☐		
HUERFANITO BENTONITE	4216	2272	☐		
CHACRA	4611	1877	☐		
MASSIVE CLIFF HOUSE	5442	1046	☐	360	Gas
MENEFEE	5462	1026	☐		
POINT LOOKOUT	5746	742	☐		
MANCOS	6021	467	☐		
UPPER GALLUP	6994	-506	☐		
GREENHORN	7709	-1221	☐		
GRANEROS	7752	-1264	☐		
TWO WELLS	7855	-1367	☐	1850	Gas
UPPER CUBERO	7872	-1384	☐		
LOWER CUBERO	7918	-1430	☐		
ENCINAL	7990	-1502	☐		
Total Depth	8040	-1552	☐		

12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.

8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 840 cuft. Circulate cement to surface.

6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 587 cuft. Circulate cement a minimum of 100' inside the previous casing string.



San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

CAT DRAW COM 1M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Est bottom perf ~20' above the est TD.	

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

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Darw Com 1M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6473 ON (AWS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6473 ON (AWS)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Darw Com 1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	APD Well 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:		Northings:	2,108,178.26 ft
From:	Lat/Long	Easting:	643,887.63 ft
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"
		Latitude:	36° 47' 33.793 N
		Longitude:	107° 20' 30.932 W
		Grid Convergence:	0.29 °

Well:	Cat Darw Com 1M, Directional S curve Long Stepout		
Well Position	+N-S	0.0 ft	Northings:
	+E-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	6,458.0 ft
		Latitude:	36° 50' 31.992 N
		Longitude:	107° 21' 41.172 W

Wellbore:	Original Hole		
Magnetics:	Model Name	Sample Date	Declination
	BGGM2008	3/1/2010	9.89
			63.69
			50,955

Design:	APD Well Plan #1		
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
			157.11

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	
1,390.2	32.11	157.11	1,335.1	-269.1	113.6	3.00	3.00	0.00	157.11	
3,001.5	32.11	157.11	2,699.9	-1,058.0	446.8	0.00	0.00	0.00	0.00	
4,071.7	0.00	0.00	3,715.0	-1,327.1	560.4	3.00	-3.00	0.00	180.00	Cat Draw Com 1M IC
8,382.7	0.00	0.00	8,026.0	-1,327.1	560.4	0.00	0.00	0.00	0.00	Cat Draw Com 1M FC

ConocoPhillips or its affiliates Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBW
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Cat Darw Com 1M
Wellbore: Original Hole
Design: APD Well Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Cat Darw Com 1M
RKB @ 6473 0ft (AWS)
RKB @ 6473 0ft (AWS)
True
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	
215.0	0.00	0.00	215.0	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	157.11	400.0	-1.5	0.7	1.7	3.00	3.00	0.00	
500.0	5.40	157.11	499.7	-7.8	3.3	8.5	3.00	3.00	0.00	
600.0	8.40	157.11	590.0	-18.9	8.0	20.5	3.00	3.00	0.00	
700.0	11.40	157.11	697.5	-34.7	14.7	37.7	3.00	3.00	0.00	
800.0	14.40	157.11	795.0	-58.3	23.3	60.0	3.00	3.00	0.00	
900.0	17.40	157.11	891.1	-80.5	34.0	87.4	3.00	3.00	0.00	
1,000.0	20.40	157.11	985.7	-110.3	46.8	119.8	3.00	3.00	0.00	
1,100.0	23.40	157.11	1,078.5	-144.7	61.1	157.1	3.00	3.00	0.00	
1,200.0	26.40	157.11	1,189.2	-183.5	77.5	199.2	3.00	3.00	0.00	
1,300.0	29.40	157.11	1,257.6	-228.6	95.7	246.0	3.00	3.00	0.00	
1,390.2	32.11	157.11	1,335.1	-289.1	113.8	292.1	3.00	3.00	0.00	
1,400.0	32.11	157.11	1,343.4	-273.8	115.7	297.3	0.00	0.00	0.00	
1,500.0	32.11	157.11	1,428.1	-322.8	136.3	350.4	0.00	0.00	0.00	
1,600.0	32.11	157.11	1,512.8	-371.8	157.0	408.6	0.00	0.00	0.00	
1,700.0	32.11	157.11	1,597.5	-420.8	177.7	458.7	0.00	0.00	0.00	
1,800.0	32.11	157.11	1,682.2	-469.7	198.4	509.9	0.00	0.00	0.00	
1,900.0	32.11	157.11	1,766.9	-518.7	219.0	563.0	0.00	0.00	0.00	
2,000.0	32.11	157.11	1,851.6	-567.6	239.7	616.2	0.00	0.00	0.00	
2,100.0	32.11	157.11	1,936.3	-616.6	260.4	669.3	0.00	0.00	0.00	
2,200.0	32.11	157.11	2,021.0	-665.6	281.1	722.5	0.00	0.00	0.00	
2,300.0	32.11	157.11	2,105.7	-714.5	301.8	775.6	0.00	0.00	0.00	
2,400.0	32.11	157.11	2,190.4	-763.5	322.4	828.8	0.00	0.00	0.00	
2,500.0	32.11	157.11	2,275.1	-812.5	343.1	881.9	0.00	0.00	0.00	
2,600.0	32.11	157.11	2,359.8	-861.4	363.8	935.1	0.00	0.00	0.00	
2,700.0	32.11	157.11	2,444.5	-910.4	384.5	988.2	0.00	0.00	0.00	
2,779.6	32.11	157.11	2,512.0	-948.4	400.9	1,030.6	0.00	0.00	0.00	
Ojo Alamo										
2,800.0	32.11	157.11	2,529.3	-959.3	405.1	1,041.4	0.00	0.00	0.00	
2,900.0	32.11	157.11	2,614.0	-1,008.3	425.8	1,094.5	0.00	0.00	0.00	
2,980.3	32.11	157.11	2,682.0	-1,047.6	442.4	1,137.2	0.00	0.00	0.00	
Kirtland										
3,000.0	32.11	157.11	2,698.7	-1,057.3	446.5	1,147.7	0.00	0.00	0.00	
3,001.6	32.11	157.11	2,699.9	-1,058.0	446.8	1,148.5	0.00	0.00	0.00	
3,100.0	29.15	157.11	2,784.7	-1,104.2	466.3	1,198.7	3.00	-3.00	0.00	
3,200.0	28.15	157.11	2,873.3	-1,147.0	484.4	1,245.1	3.00	-3.00	0.00	
3,300.0	23.15	157.11	2,984.1	-1,185.4	500.6	1,286.8	3.00	-3.00	0.00	
3,400.0	20.15	157.11	3,057.1	-1,219.4	515.0	1,323.7	3.00	-3.00	0.00	
3,500.0	17.15	157.11	3,151.8	-1,248.8	527.4	1,355.6	3.00	-3.00	0.00	
3,523.2	16.46	157.11	3,174.0	-1,255.0	530.0	1,382.3	3.00	-3.00	0.00	
Fruitland										
3,600.0	14.15	157.11	3,248.1	-1,273.7	537.9	1,382.6	3.00	-3.00	0.00	
3,700.0	11.15	157.11	3,345.6	-1,293.9	546.4	1,404.5	3.00	-3.00	0.00	
3,783.6	8.64	157.11	3,428.0	-1,307.1	552.0	1,418.9	3.00	-3.00	0.00	
Pictured Cliffs										
3,800.0	8.15	157.11	3,444.2	-1,309.3	552.9	1,421.3	3.00	-3.00	0.00	
3,900.0	5.15	157.11	3,543.5	-1,320.0	557.4	1,432.8	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: Other Named Wells
 Well: Cat Draw Com 1M
 Wellbore: Original Hole
 Design: APD Well Plan #1

Local Co-ordinate Reference: Well Cat Draw Com 1M
 TVD Reference: RKB @ 6473.0ft (AWS)
 MD Reference: RKB @ 6473.0ft (AWS)
 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)
3,971.6	3.00	157.11	3,615.0	-1,324.7	559.4	1,437.9	3.00	-3.00	0.00
Lewis									
4,000.0	2.15	157.11	3,643.3	-1,325.6	559.9	1,439.2	3.00	-3.00	0.00
4,071.7	0.00	0.00	3,715.0	-1,327.1	560.4	1,440.6	3.00	-3.00	0.00
Intermediate - Cat Draw Com 1M ICP									
4,100.0	0.00	0.00	3,743.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,200.0	0.00	0.00	3,843.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,300.0	0.00	0.00	3,943.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,400.0	0.00	0.00	4,043.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,500.0	0.00	0.00	4,143.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,558.7	0.00	0.00	4,202.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Huerfano Bentonite									
4,800.0	0.00	0.00	4,243.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,343.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,443.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,543.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
4,953.7	0.00	0.00	4,597.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Chacra									
5,000.0	0.00	0.00	4,643.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,100.0	0.00	0.00	4,743.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,200.0	0.00	0.00	4,843.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,300.0	0.00	0.00	4,943.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,043.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,143.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,243.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,343.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,784.7	0.00	0.00	5,428.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Mass. Cliffhouse									
5,800.0	0.00	0.00	5,443.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
5,804.7	0.00	0.00	5,448.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Menefee									
5,900.0	0.00	0.00	5,543.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,643.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,088.7	0.00	0.00	5,732.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Point Lookout									
6,100.0	0.00	0.00	5,743.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,200.0	0.00	0.00	5,843.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,300.0	0.00	0.00	5,943.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,383.7	0.00	0.00	6,007.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Mancos									
6,400.0	0.00	0.00	6,043.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,143.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,243.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,343.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,443.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,543.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,643.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,100.0	0.00	0.00	6,743.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,200.0	0.00	0.00	6,843.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,300.0	0.00	0.00	6,943.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,336.7	0.00	0.00	6,980.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Upper Gallup									

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Draw Com 1M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 8473.0ft (AWS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 8473.0ft (AWS)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Draw Com 1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	APD Well 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)
7,400.0	0.00	0.00	7,043.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,143.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,243.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,343.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,443.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,543.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,643.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
8,051.7	0.00	0.00	7,695.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Greenhorn									
8,094.7	0.00	0.00	7,738.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Graneros									
8,190.0	0.00	0.00	7,743.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
8,197.7	0.00	0.00	7,841.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Two Wells									
8,290.0	0.00	0.00	7,843.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
8,214.7	0.00	0.00	7,859.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Upper Cubero									
8,260.7	0.00	0.00	7,904.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Lower Cubero									
8,300.0	0.00	0.00	7,943.3	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
8,332.7	0.00	0.00	7,978.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Encinal									
8,382.7	0.00	0.00	8,026.0	-1,327.1	560.4	1,440.6	0.00	0.00	0.00
Production - Cat Draw Com 1M PCP									

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	N-S (ft)	E-W (ft)	Northing (ft)	Easting (ft)	Latitude
Shape									Longitude
Cat Draw Com 1M PCP		0.00	0.00	8,026.0	-1,327.1	560.4	2,124,845.78	638,652.60	36° 50' 18.870 N
- plan hits target center									107° 21' 34.278 W
- Circle (radius 100.0)									
Cat Draw Com 1M ICP		0.00	0.00	3,715.0	-1,327.1	560.4	2,124,845.78	638,652.60	36° 50' 18.870 N
- plan hits target center									107° 21' 34.278 W
- Circle (radius 100.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
8,382.7	8,026.0	Production	4-1/2	6-1/4	
4,071.7	3,715.0	Intermediate	7	8-3/4	
215.0	215.0	Surface	9-5/8	12-1/4	

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Darw Com 1M
Company:	ConocoPhillips SJBH	TVD Reference:	RKB @ 6473.0ft (AWS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6473.0ft (AWS)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Darw Com 1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	APD Well Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
3,523.2	3,174.0	Fruitland		0.00		
8,197.7	7,041.0	Two Wells		0.00		
4,853.7	4,597.0	Chacra		0.00		
8,280.7	7,904.0	Lower Cubero		0.00		
6,068.7	5,732.0	Point Lookout		0.00		
7,386.7	6,980.0	Upper Gallup		0.00		
5,804.7	5,443.0	Menefee		0.00		
3,971.6	3,615.0	Lewis		0.00		
5,784.7	5,428.0	Mass. Cliffhouse		0.00		
8,332.7	7,976.0	Encinal		0.00		
4,568.7	4,202.0	Huerfano Bentonite		0.00		
2,980.3	2,682.0	Kirtland		0.00		
2,779.6	2,512.0	Ojo Alamo		0.00		
8,214.7	7,858.0	Upper Cubero		0.00		
6,363.7	6,007.0	Mancos		0.00		
8,094.7	7,738.0	Graneros		0.00		
8,051.7	7,695.0	Greenhorn		0.00		
3,783.6	3,428.0	Pictured Cliffs		0.00		

REFERENCE INFORMATION

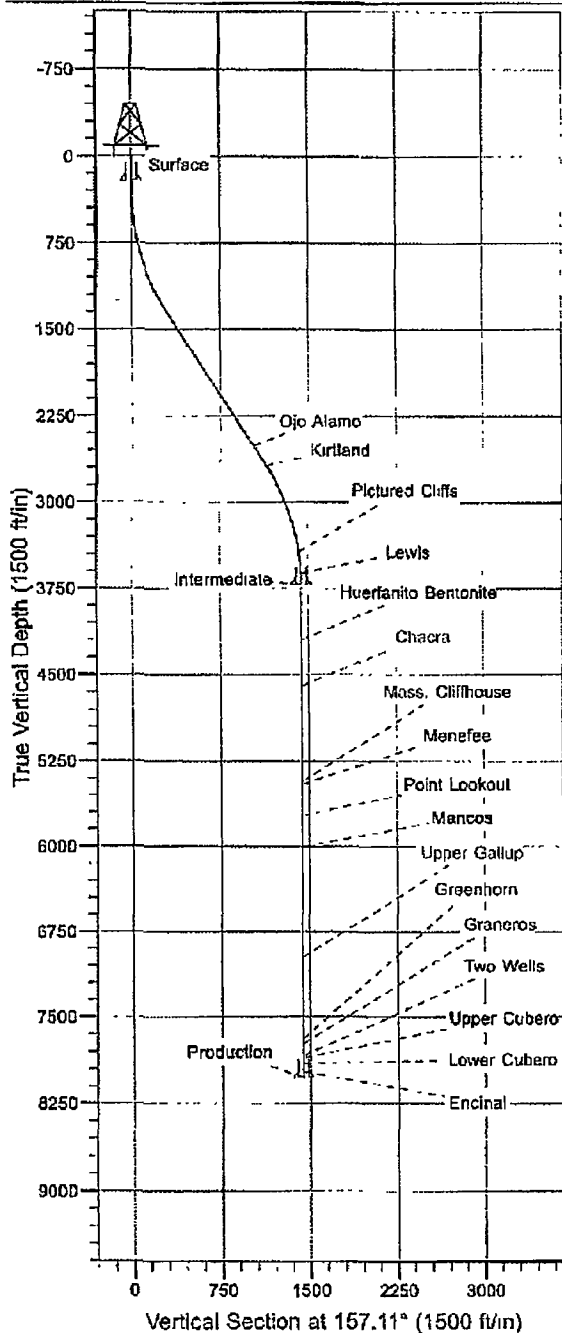
RKB @ 6473.0ft (AWS)
Ground Elevation 6458.0
Reference Lat: 36° 50' 31.992 N
Reference Long: 107° 21' 41.172 W

Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Cat Darw Com 1M
Wellbore: Original Hole
Design: APD Well 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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1390.2	32.11	157.11	1335.1	-269.1	113.6	3.00	157.11	292.1	
4	3001.5	32.11	157.11	2699.9	-1058.0	446.8	0.00	0.00	1148.5	
5	4071.7	0.00	0.00	3715.0	-1327.1	560.4	3.00	180.00	1440.6	Cat Draw Com 1M ICP
6	8382.7	0.00	0.00	8026.0	-1327.1	560.4	0.00	0.00	1440.6	Cat Draw Com 1M PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2512.0	2779.6	Ojo Alamo
2682.0	2980.3	Kirtland
3174.0	3523.2	Fruitland
3428.0	3783.6	Pictured Cliffs
3815.0	3971.6	Lewis
4202.0	4558.7	Huerfano Bentonite
4597.0	4953.7	Chacra
5428.0	5784.7	Mass. Cliffhouse
5448.0	5804.7	Menefee
5732.0	6088.7	Point Lookout
6007.0	6363.7	Mancos
6980.0	7336.7	Upper Gallup
7695.0	8051.7	Greenhorn
7738.0	8094.7	Graneros
7841.0	8197.7	Two Wells
7858.0	8214.7	Upper Cubero
7904.0	8260.7	Lower Cubero
7976.0	8332.7	Encinal

