

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 26 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office

1a. Type of Work DRILL	5. Lease Number NM-4456 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD JUL 18 '11 OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Cat Draw Com 9. Well Number 1
4. Location of Well Surface: Unit G (SWNE), 2410' FNL & 2365' FEL BHL: Unit H (SENE), 1620' FNL & 1045' FEL Surface: Latitude: 36.842270° N (NAD83) Longitude: 107.361800° W BHL: Latitude: 36.844435° N (NAD83) Longitude: 107.357296° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T30N, R5W API # 30-039-31067
14. Distance in Miles from Nearest Town 50 miles from Blanco, NM	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1045'	
16. Acres in Lease 558.76 acres	17. Acres Assigned to Well 319.13 acres E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 385' from Cat Draw Com 101 (FC)	
19. Proposed Depth 8031' this action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6461' GL	22. Approx. Date Work will Start OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)	<u>May 25, 2011</u> Date

Hold C104
for Directional Survey
and "As Drilled" plat

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATION.

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE. This format is issued in lieu of U.S. BLM Form 3160-3

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

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

AUG 01 2011

NMOCD

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

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

RECEIVED
MAY 28 2011
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
Farmington Field Office
Bureau of Land Management

Form C-102
Revised October 12, 2005

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-31067		Pool Code 71599 / 72319	Pool Name BASIN DAKOTA/BLANCO MESAVERDE
Property Code 25880	Property Name CAT DRAW COM		Well Number 1
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		Elevation 6461'

¹⁰ Surface Location

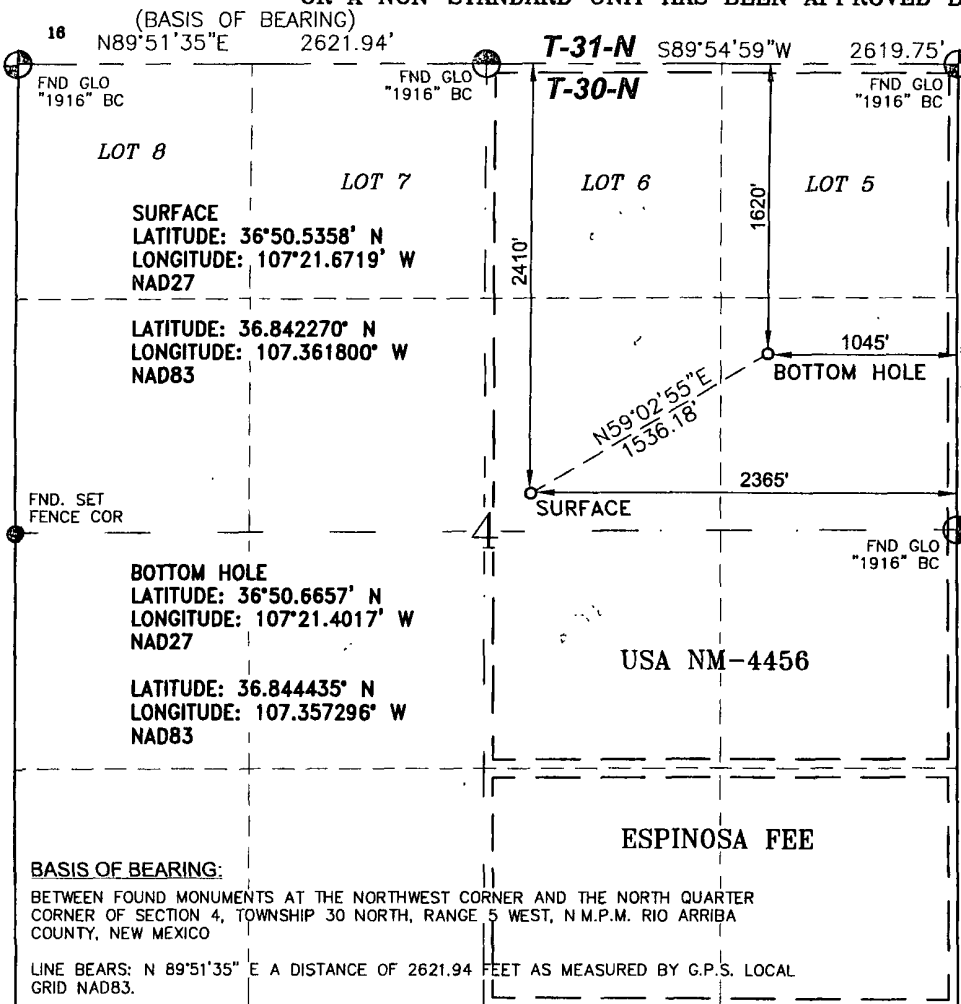
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	4	30-N	5-W		2410	NORTH	2365	EAST	RIO ARriba

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
H	4	30-N	5-W		1620	NORTH	1045	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 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.

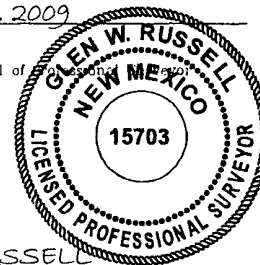
Crystal Tafuya 1/12/2010
Signature
Crystal Tafuya 1/12/2010
Printed Name

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.

November 11, 2009
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CAT DRAW COM 1

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8090				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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: 36.842263	Longitude: -107.361198	X:	Y:	Section: 04	Range: 005W		
Footage X: 2365 FEL	Footage Y: 2410 FNL	Elevation: 6461	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole		Datum: Code: NAD 27				Directional	
Latitude: 36.844428	Longitude: -107.356694	X:	Y:	Section: 04	Range: 005W		
Footage X: 1045 FEL	Footage Y: 1620 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6476 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6246		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 144 cuft. Circulate cement to surface.
NACIMIENTO	1328	5148		☐			
OJO ALAMO	2508	3968		☐			
KIRTLAND	2694	3782		☐			
FRUITLAND	2808	3668		☐			Possible Gas
PICTURED CLIFFS	3439	3037		☐			
LEWIS	3566	2910		☐			
Intermediate Casing	3716	2760		☐	128		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 920 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4214	2262		☐			
CHACRA	4604	1872		☐			
UPPER CLIFF HOUSE	5142	1334		☐			Gas; Est. Top Perf - 5144 (1332)
MASSIVE CLIFF HOUSE	5436	1040		☐	433		Gas
MENEFEE	5486	990		☐			
POINT LOOKOUT	5743	733		☐			
MANCOS	6122	354		☐			
UPPER GALLUP	6990	-514		☐			
GREENHORN	7706	-1230		☐			
GRANEROS	7748	-1272		☐			
TWO WELLS	7858	-1382		☐	3159		Gas
PAGUATE	7877	-1401		☐			
UPPER CUBERO	7903	-1427		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CAT DRAW COM 1

DEVELOPMENT

LOWER CUBERO	7942	-1466	☐	Est. Btm Perf - 8007 (- 1531) based on offset wells
ENCINAL	8001	-1525	☐	TD - 30' below T/ENCN
Total Depth	8031	-1555	☐	224 6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 587 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	CAT DRAW 1E	30N 5W 4 SW NE NW
Production	SJ 30-5 Unit 87M	30N 5W 5 SW NE SE
Production	SJ 30-5 Unit 103	30N 5W 3 NE SW SW
Production	Rosa Unit 77A	31N 5W 33 NE SE

Logging Program:

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

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

gr/cbl. perf 24' above td.

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 or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Draw Com 1:
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6476.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6476.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Draw Com 1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cat Draw Com 1		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site:	Other Named Wells		
Site Position:		Northing:	1,995,375.60 ft
From:	Lat/Long	Easting:	107,943.61 ft
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"
		Latitude:	36° 28' 35.436 N
		Longitude:	107° 35' 0.564 W
		Grid Convergence:	-0 79 °

Well:	Cat Draw Com 1, S - Curve Long		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0 0 ft	Wellhead Elevation:	ft
		Latitude:	36° 50' 32.172 N
		Longitude:	107° 21' 42.480 W
		Ground Level:	6,461.0 ft

Wellbore:	Cat Draw Com 1		
-----------	----------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	5/20/2011	9.73	63.66	50,846

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	59.12

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	
1,541.0	35.73	59.12	1,465.3	184.5	308.5	3.00	3.00	0.00	59.12	
2,939.7	35.73	59.12	2,600.7	603.7	1,009.5	0.00	0.00	0 00	0.00	
4,130.7	0.00	0.00	3,716.0	788.3	1,318.0	3.00	-3.00	0.00	180.00	Cat Draw Com 1 - I
8,445.7	0 00	0.00	8,031.0	788.3	1,318.0	0.00	0.00	0.00	0 00	Cat Draw Com 1 - F

ConocoPhillips or its affiliates

Planning Report

Database:	EDM-Central-Planning	Local Co-ordinate Reference:	Well Cat Draw Com 1
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6476.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6476.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Draw Com 1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cat Draw Com 1		
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
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	1.50	59.12	400.0	0.3	0.6	0.7	3.00	3.00	0.00
500.0	4.50	59.12	499.8	3.0	5.1	5.9	3.00	3.00	0.00
600.0	7.50	59.12	599.3	8.4	14.0	16.3	3.00	3.00	0.00
700.0	10.50	59.12	698.0	16.4	27.4	32.0	3.00	3.00	0.00
800.0	13.50	59.12	795.8	27.1	45.3	52.8	3.00	3.00	0.00
900.0	16.50	59.12	892.4	40.4	67.5	78.6	3.00	3.00	0.00
1,000.0	19.50	59.12	987.5	56.2	94.0	109.5	3.00	3.00	0.00
1,100.0	22.50	59.12	1,080.9	74.6	124.8	145.4	3.00	3.00	0.00
1,200.0	25.50	59.12	1,172.2	95.5	159.7	186.0	3.00	3.00	0.00
1,300.0	28.50	59.12	1,261.3	118.8	198.6	231.4	3.00	3.00	0.00
1,376.7	30.80	59.12	1,328.0	138.3	231.2	269.4	3.00	3.00	0.00
Nacimiento									
1,400.0	31.50	59.12	1,347.9	144.5	241.5	281.4	3.00	3.00	0.00
1,500.0	34.50	59.12	1,431.8	172.4	288.3	335.9	3.00	3.00	0.00
1,541.0	35.73	59.12	1,465.3	184.5	308.5	359.5	3.00	3.00	0.00
1,600.0	35.73	59.12	1,513.2	202.2	338.1	393.9	0.00	0.00	0.00
1,700.0	35.73	59.12	1,594.4	232.2	388.2	452.3	0.00	0.00	0.00
1,800.0	35.73	59.12	1,675.5	262.1	438.3	510.7	0.00	0.00	0.00
1,900.0	35.73	59.12	1,756.7	292.1	488.4	569.1	0.00	0.00	0.00
2,000.0	35.73	59.12	1,837.9	322.1	538.6	627.5	0.00	0.00	0.00
2,100.0	35.73	59.12	1,919.1	352.1	588.7	685.9	0.00	0.00	0.00
2,200.0	35.73	59.12	2,000.3	382.0	638.8	744.3	0.00	0.00	0.00
2,300.0	35.73	59.12	2,081.4	412.0	688.9	802.7	0.00	0.00	0.00
2,400.0	35.73	59.12	2,162.6	442.0	739.0	861.1	0.00	0.00	0.00
2,500.0	35.73	59.12	2,243.8	472.0	789.1	919.5	0.00	0.00	0.00
2,600.0	35.73	59.12	2,325.0	501.9	839.3	977.9	0.00	0.00	0.00
2,700.0	35.73	59.12	2,406.1	531.9	889.4	1,036.3	0.00	0.00	0.00
2,800.0	35.73	59.12	2,487.3	561.9	939.5	1,094.7	0.00	0.00	0.00
2,825.5	35.73	59.12	2,508.0	569.5	952.3	1,109.6	0.00	0.00	0.00
Ojo Alamo									
2,900.0	35.73	59.12	2,568.5	591.9	989.6	1,153.1	0.00	0.00	0.00
2,939.7	35.73	59.12	2,600.7	603.7	1,009.5	1,176.3	0.00	0.00	0.00
3,000.0	33.92	59.12	2,650.2	621.4	1,039.1	1,210.7	3.00	-3.00	0.00
3,052.3	32.35	59.12	2,694.0	636.1	1,063.6	1,239.3	3.00	-3.00	0.00
Kirtland									
3,100.0	30.92	59.12	2,734.6	648.9	1,085.1	1,264.3	3.00	-3.00	0.00
3,184.4	28.39	59.12	2,808.0	670.4	1,120.9	1,306.1	3.00	-3.00	0.00
Fruitland									
3,200.0	27.92	59.12	2,821.7	674.2	1,127.2	1,313.4	3.00	-3.00	0.00
3,300.0	24.92	59.12	2,911.3	697.0	1,165.4	1,357.9	3.00	-3.00	0.00
3,400.0	21.92	59.12	3,003.0	717.4	1,199.5	1,397.7	3.00	-3.00	0.00
3,500.0	18.92	59.12	3,096.7	735.3	1,229.5	1,432.6	3.00	-3.00	0.00
3,600.0	15.92	59.12	3,192.1	750.7	1,255.1	1,462.5	3.00	-3.00	0.00
3,700.0	12.92	59.12	3,289.0	763.4	1,276.5	1,487.4	3.00	-3.00	0.00
3,800.0	9.92	59.12	3,387.0	773.6	1,293.5	1,507.2	3.00	-3.00	0.00
3,852.7	8.34	59.12	3,439.0	777.9	1,300.7	1,515.6	3.00	-3.00	0.00
Pictured Cliffs									
3,900.0	6.92	59.12	3,485.9	781.1	1,306.1	1,521.8	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Draw Com 1
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6476.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6476.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Draw Com 1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cat Draw Com 1		
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)
3,980.5	4.50	59.12	3,566.0	785.2	1,313.0	1,529.9	3.00	-3.00	0.00
Lewis									
4,000.0	3.92	59.12	3,585.4	786.0	1,314.2	1,531.3	3.00	-3.00	0.00
4,100.0	0.92	59.12	3,685.3	788.1	1,317.8	1,535.5	3.00	-3.00	0.00
4,130.7	0.00	0.00	3,716.0	788.3	1,318.0	1,535.8	3.00	-3.00	0.00
Interm. TD - ICP - Cat Draw Com 1 - ICP									
4,200.0	0.00	0.00	3,785.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,300.0	0.00	0.00	3,885.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,400.0	0.00	0.00	3,985.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,085.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,600.0	0.00	0.00	4,185.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,628.7	0.00	0.00	4,214.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Huerfano Bentonite									
4,700.0	0.00	0.00	4,285.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,800.0	0.00	0.00	4,385.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,485.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,585.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,018.7	0.00	0.00	4,604.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Chacra									
5,100.0	0.00	0.00	4,685.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,200.0	0.00	0.00	4,785.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,300.0	0.00	0.00	4,885.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,400.0	0.00	0.00	4,985.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,085.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,556.7	0.00	0.00	5,142.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Upper Cliff House									
5,600.0	0.00	0.00	5,185.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,285.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,385.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,850.7	0.00	0.00	5,436.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Mass. Cliff House									
5,900.0	0.00	0.00	5,485.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
5,900.7	0.00	0.00	5,486.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Menefee									
6,000.0	0.00	0.00	5,585.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,100.0	0.00	0.00	5,685.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,157.7	0.00	0.00	5,743.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Point Lookout									
6,200.0	0.00	0.00	5,785.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,300.0	0.00	0.00	5,885.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,400.0	0.00	0.00	5,985.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,085.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,536.7	0.00	0.00	6,122.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Mancos									
6,600.0	0.00	0.00	6,185.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,285.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,385.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,485.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,585.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,100.0	0.00	0.00	6,685.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,200.0	0.00	0.00	6,785.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,300.0	0.00	0.00	6,885.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00

nocoPhillips or its affiliates

Planning Report

Database:
Company:
Project:
Site:

EDM Calls
Ccom 1

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

Well: Cat Draw Com 1
WELL @ 6476.0ft (Original Well Elev)
WELL @ 6476.0ft (Original Well Elev)
True
Minimum Curvature

Wire 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	6,985.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,404.7	0.00	0.00	6,990.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Upper Gallup									
7,500.0	0.00	0.00	7,085.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,185.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,285.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,385.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,485.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,585.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,100.0	0.00	0.00	7,685.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,120.7	0.00	0.00	7,706.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Greenhorn									
8,162.7	0.00	0.00	7,748.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Graneros									
8,200.0	0.00	0.00	7,785.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,272.7	0.00	0.00	7,858.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Two Wells									
8,291.7	0.00	0.00	7,877.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Paguate									
8,300.0	0.00	0.00	7,885.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,356.7	0.00	0.00	7,942.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Lower Cubero									
8,400.0	0.00	0.00	7,985.3	788.3	1,318.0	1,535.8	0.00	0.00	0.00
8,415.7	0.00	0.00	8,001.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
Encinal									
8,445.7	0.00	0.00	8,031.0	788.3	1,318.0	1,535.8	0.00	0.00	0.00
TD: Cat Draw Com 1 - 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
Cat Draw Com 1 - ICF	- hit/miss target	0.00	0.00	3,716.0	788.3	1,318.0	2,128,477.47	175,994.87	36° 50' 39.966 N 107° 21' 26.266 W
- plan hits target center	- Shape								
- Point									
Cat Draw Com 1 - PC	- hit/miss target	0.00	0.00	8,031.0	788.3	1,318.0	2,128,477.47	175,994.87	36° 50' 39.966 N 107° 21' 26.266 W
- plan hits target center	- Shape								
- Point									

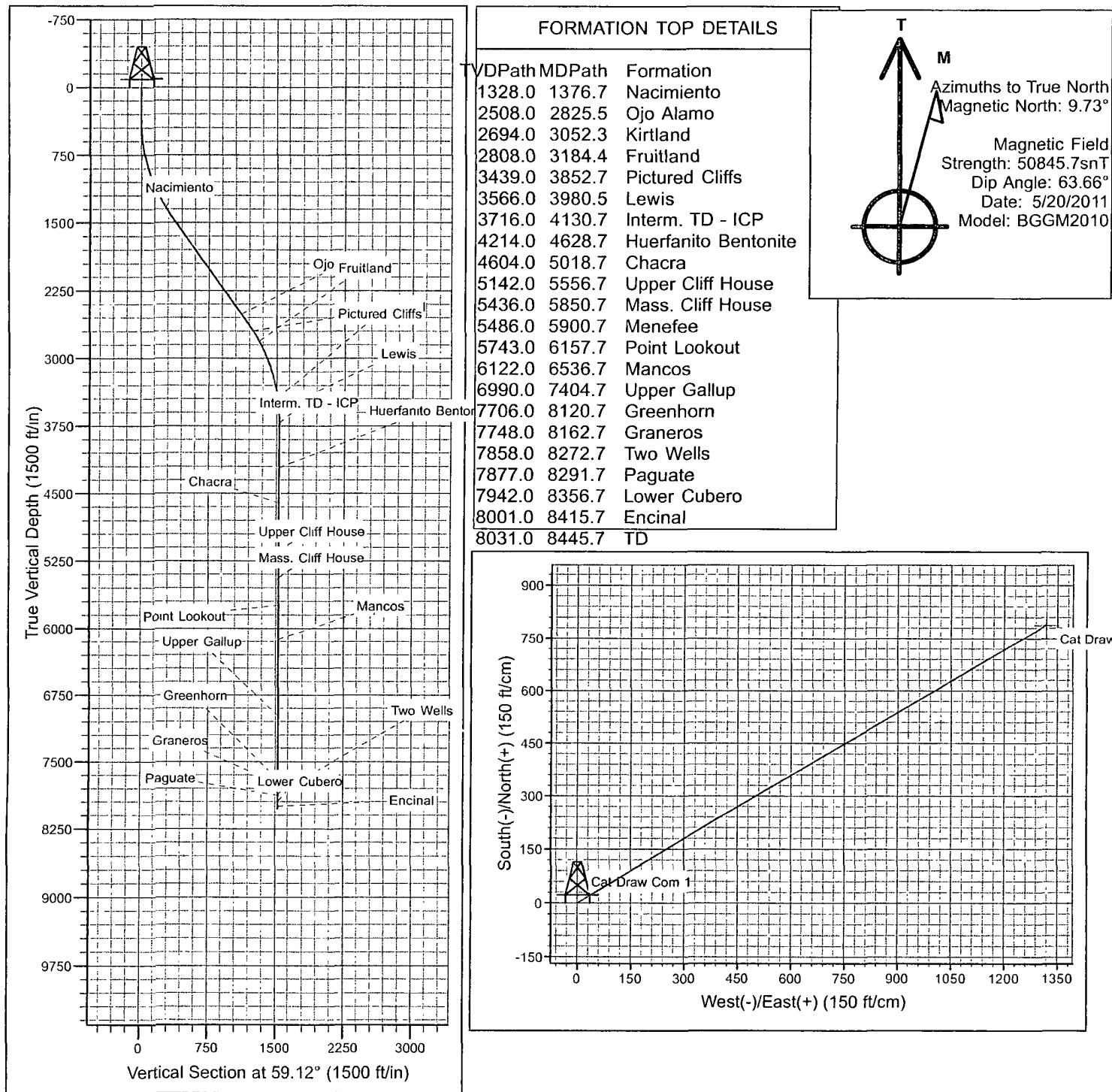
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Cat Draw Com 1
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6476.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6476.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Cat Draw Com 1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cat Draw Com 1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
5,556.7	5,142.0	Upper Cliff House		0.00		
8,445.7	8,031.0	TD		0.00		
8,162.7	7,748.0	Graneros		0.00		
8,120.7	7,706.0	Greenhorn		0.00		
5,900.7	5,486.0	Menefee		0.00		
5,850.7	5,436.0	Mass. Cliff House		0.00		
2,825.5	2,508.0	Ojo Alamo		0.00		
5,018.7	4,604.0	Chacra		0.00		
4,628.7	4,214.0	Huerfano Bentonite		0.00		
4,130.7	3,716.0	Interm. TD - ICP		0.00		
3,852.7	3,439.0	Pictured Cliffs		0.00		
8,291.7	7,877.0	Paguate		0.00		
6,157.7	5,743.0	Point Lookout		0.00		
6,536.7	6,122.0	Mancos		0.00		
3,052.3	2,694.0	Kirtland		0.00		
8,415.7	8,001.0	Encinal		0.00		
3,184.4	2,808.0	Fruitland		0.00		
7,404.7	6,990.0	Upper Gallup		0.00		
1,376.7	1,328.0	Nacimiento		0.00		
3,980.5	3,566.0	Lewis		0.00		
8,272.7	7,858.0	Two Wells		0.00		
8,356.7	7,942.0	Lower Cubero		0.00		

REFERENCE INFORMATION		Project: San Juan Basin - New Mexico Central								
WELL @ 6476.0ft (Original Well Elev)		Site: Other Named Wells								
Ground Elevation 6461.0		Well: Cat Draw Com 1								
Reference Lat: 36° 50' 32.172 N		Wellbore: Cat Draw Com 1								
Reference Long: 107° 21' 42.480 W		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	1541.0	35.73	59.12	1465.3	184.5	308.5	3.00	59.12	359.5	
4	2939.7	35.73	59.12	2600.7	603.7	1009.5	0.00	0.00	1176.3	
5	4130.7	0.00	0.00	3716.0	788.3	1318.0	3.00	180.00	1535.8	Cat Draw Com 1 - ICP
6	8445.7	0.00	0.00	8031.0	788.3	1318.0	0.00	0.00	1535.8	Cat Draw Com 1 - PCP





SHEET 1 OF 5

[illegible]

Directions from the Post Office
in Blanco, NM
to
BURLINGTON RESOURCES OIL & GAS CO LP
CAT DRAW COM #1
2410' FNL & 2365' FEL,
Section 4, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 50' 32.171" N
Longitude: 107° 21' 42.479" 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.