

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 06 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number Farmington Field Office SF-078835-A	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 28-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surface: Unit K(NESW), 2252' FSL & 1673' FWL Bottomhole: Unit F(SENW), 2330' FNL & 1685' FWL Surface: Latitude: 36.58681° N (NAD 83) Longitude: 107.61911° W Bottomhole: Latitude: 36.58930° N (NAD 83) Longitude: 107.61891° W	9. Well Number 244N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 7, T27N, R7W API # 30-039-30762	
14. Distance in Miles from Nearest Town 40 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1673'	17. Acres Assigned to Well MV/DK 320.26 (W/2)	
16. Acres in Lease 640.860	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400' from San Juan 28-7 Unit 86 (MV/PC)	21. Elevations (DF, FT, GR, Etc.) 6639' GR	
19. Proposed Depth 7584'	22. APPROVAL DATE WORK WILL START BLM 22 APR 09 10:00 AM	
23. Proposed Casing and Cementing Program See Operations Plan attached	ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	5/6/09 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 7/6/09

Archaeological Report attached
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 ES-0048 and ES-0085

JUL 09 2009

This action is subject to technical and
review pursuant to 43 CFR 3165.3
and 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat

NMOC

Drilling operations authorized
subject to compliance with attached
"General Requirements".

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87605

OIL CONSERVATION DIVISION

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

RECEIVED

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

MAY 06 2009

☐ AMENDED REPORT

Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30762		Pool Code 71599/72319	Pool Name BASIN DAKOTA/BLANCO MESAVERDE
Property Code 31739	Property Name SAN JUAN 28-7 UNIT		Well Number 244 N
OGRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY		Elevation 6639'

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
K	7	27N	7W		2252'	SOUTH	1673'	WEST	RIO ARRIBA

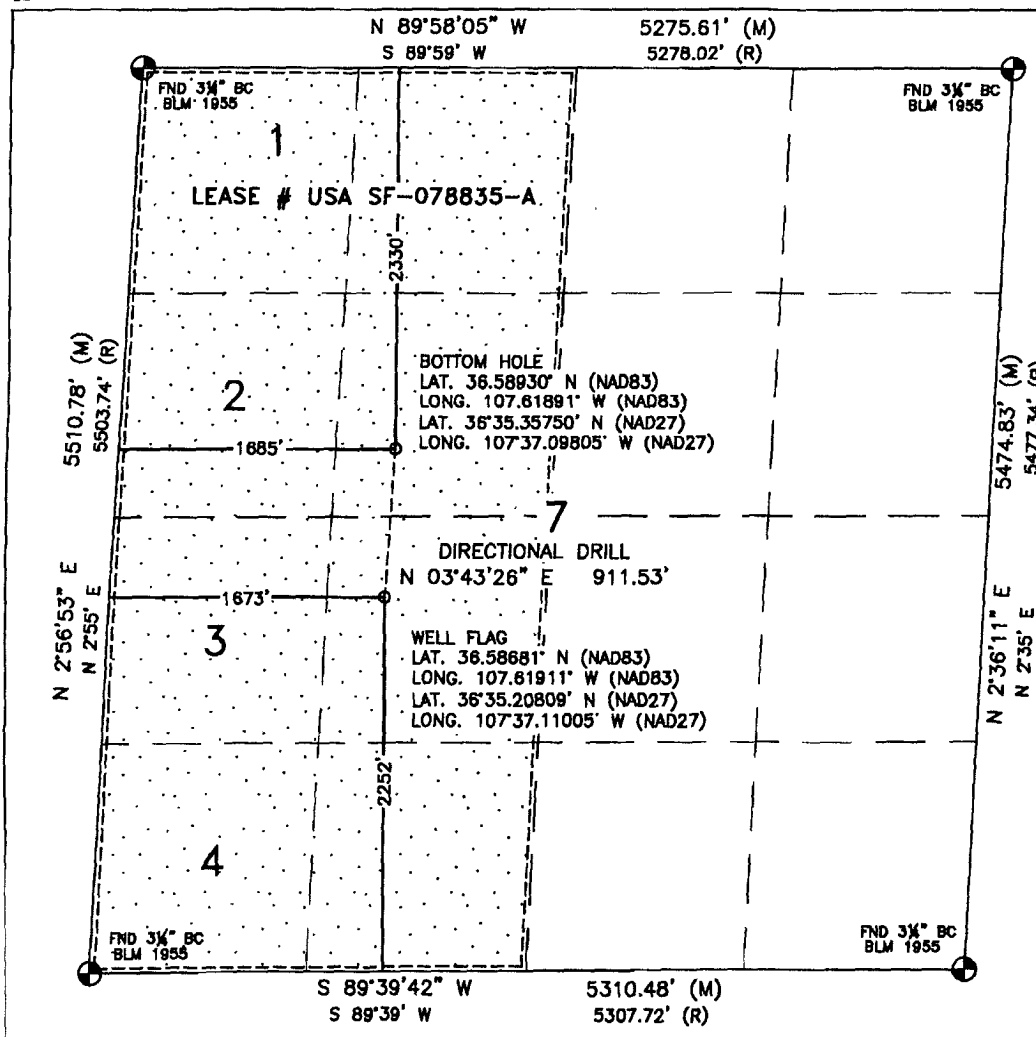
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	7	27N	7W		2330'	NORTH	1685'	WEST	RIO ARRIBA

Dedicated Acres 320.26 Acres-(W/2)	Joint or Infill	Consolidation Code	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

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 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 or a compulsory pooling order heretofore entered by the division.

Signature: Crystal Tafoya
Date: 2/19/09

Printed Name: Crystal Tafoya 2-19-09

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, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

Signature: David R. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 244N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8333		AFE \$: 1,668,390.30	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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

Latitude: 36.586802 Longitude: -107.618501 X: Y: Section: 07 Range: 007W

Footage X: 1673 FWL Footage Y: 2252 FSL Elevation: 6639 (FT) Township: 027N

Tolerance:

Location: Bottom Hole Datum Code: NAD 27

Latitude: 36.589292 Longitude: -107.618301 X: Y: Section: 07 Range: 007W

Footage X: 1685 FWL Footage Y: 2330 FNL Elevation: (FT) Township: 027N

Tolerance:

Location Type: Restricted Start Date (Est.): 1/1/2010 Completion Date: Date In Operation:

Formation Data: Assume KB = 6654 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	199	6455	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 169 cuft. Circulate cement to surface.
OJO ALAMO	2256	4398	☐			
KIRTLAND	2333	4321	☐			
FRUITLAND	2652	4002	☐			Possible Gas
PICTURED CLIFFS	3080	3574	☐			
LEWIS	3208	3446	☐			
HUERFANITO BENTONITE	3928	2726	☐			
Intermediate Casing	3928	2726	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 950 cuft. Circulate cement to surface.
CHACRA	4027	2627	☐			
UPPER CLIFF HOUSE	4693	1961	☐			Gas; Est. Top Perf - 4696 (1959)
MASSIVE CLIFF HOUSE	4739	1915	☐	440		Gas
MENEFEE	4765	1889	☐			
POINT LOOKOUT	5321	1333	☐			
MANCOS	5701	953	☐			
UPPER GALLUP	6504	150	☐			
GREENHORN	7260	-606	☐			
GRANEROS	7323	-669	☐			
TWO WELLS	7383	-729	☐	2968		Gas
PAGUATE	7460	-806	☐			
UPPER CUBERO	7487	-833	☐			
LOWER CUBERO	7508	-854	☐			Est. Btm Perf - 7565 (-910) based on offset wells
ENCINAL	7584	-930	☐			TD - T/ENCN

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 244N

DEVELOPMENT

Total Depth	7584	-930	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55 & L-80, LTC casing. Cement w/ 499 cuft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	------	--------------------------	--

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-7 244	27N-7W7 NE SW SW
Production	SJ 28-7 86	27N-7W7 SW NE SW
Production	SJ 28-7 253M	27N-7W7 NW SE SE
Production	SJ 28-7 244M	27N-7W7 NW

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

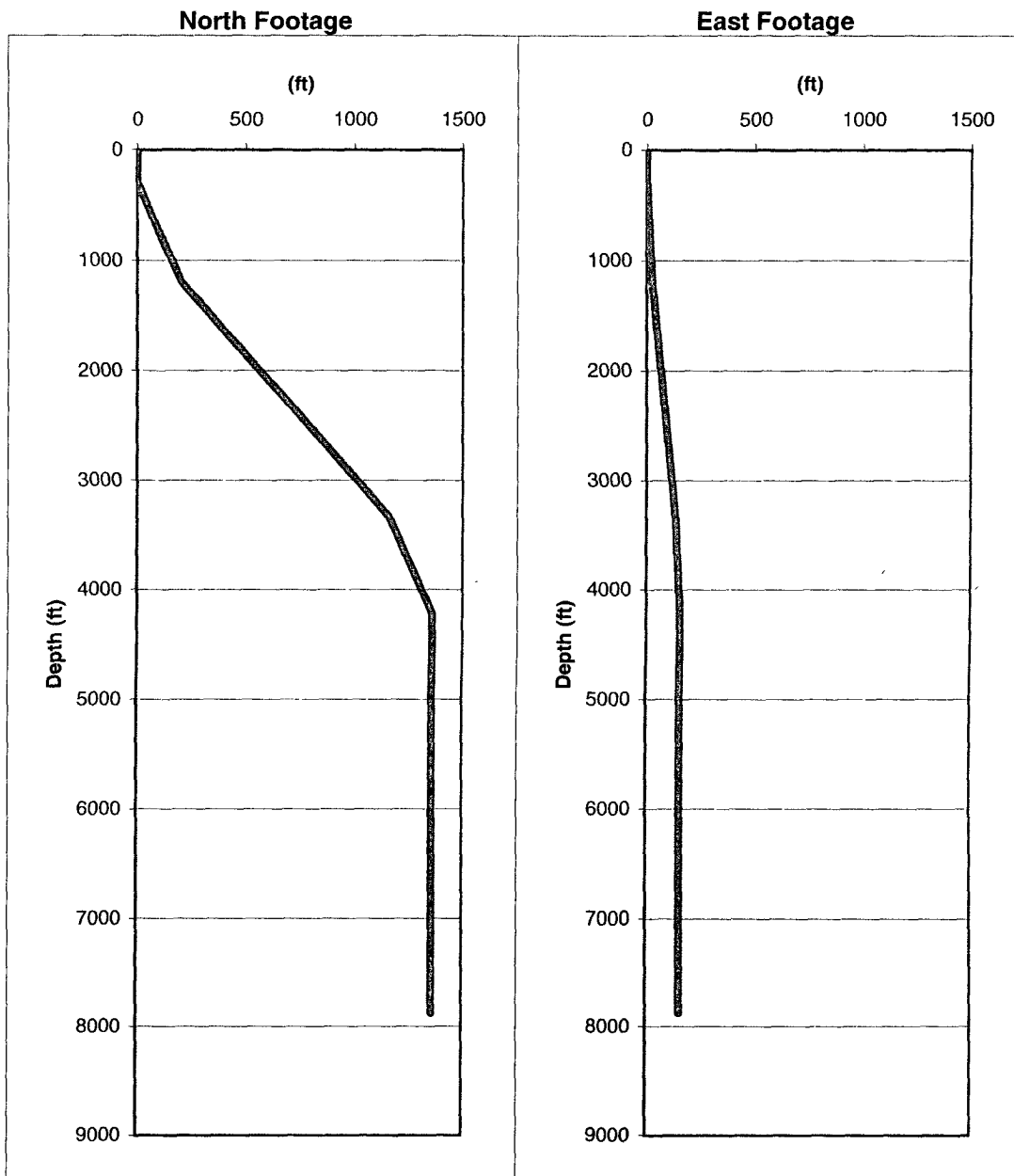
TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Cased Hole GR / CBL							
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.							

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



Proposed Wellbore

San Juan 28-7 Unit 244N



ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #244N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6654.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6654.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #244N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #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)
7,552.7	0.00	0.00	7,260.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Greenhorn									
7,600.0	0.00	0.00	7,307.3	1,361.7	155.6	1,370.6	0.00	0.00	0.00
7,615.7	0.00	0.00	7,323.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Graneros									
7,675.7	0.00	0.00	7,383.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Two Wells									
7,700.0	0.00	0.00	7,407.3	1,361.7	155.6	1,370.6	0.00	0.00	0.00
7,752.7	0.00	0.00	7,460.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Paguate									
7,779.7	0.00	0.00	7,487.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Upper Cubero									
7,800.0	0.00	0.00	7,507.3	1,361.7	155.6	1,370.6	0.00	0.00	0.00
7,800.7	0.00	0.00	7,508.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Lower Cubero									
7,876.7	0.00	0.00	7,584.0	1,361.7	155.6	1,370.6	0.00	0.00	0.00
Encinal - Production - SJ 28-7 #244N PCP									

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
Shape									Latitude Longitude
SJ 28-7 #244N PCP	- plan hits target - Circle (radius 25.0)	0.00	0.00	7,584.0	1,361.7	155.6	2,033,822.93	563,128.91	36° 35' 21.450 N 107° 37' 5.883 W
SJ 28-7 #244N WH	- plan misses by 100.0ft at 100.0ft MD (100.0 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	0.0	0.0	0.0	2,032,460.99	562,976.35	36° 35' 7.985 N 107° 37' 7.791 W
SJ 28-7 #244N IPC	- plan hits target - Circle (radius 25.0)	0.00	0.00	3,928.0	1,361.7	155.6	2,033,822.93	563,128.91	36° 35' 21.450 N 107° 37' 5.883 W

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
215.0	215.0	Surface	9-5/8	12-1/4
4,220.7	3,928.0	Intermediate	7	8-3/4
7,876.7	7,584.0	Production	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #244N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6654.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6654.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #244N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,419.4	2,256.0	Ojo		0.00	
2,505.6	2,333.0	Kirtland		0.00	
2,862.8	2,652.0	Fruitland		0.00	
3,342.0	3,080.0	Pictured Cliffs		0.00	
3,482.5	3,208.0	Lewis		0.00	
4,220.7	3,928.0	Huerfano Bentonite		0.00	
4,319.7	4,027.0	Chacra		0.00	
4,985.7	4,693.0	Upper Cliffhouse		0.00	
5,031.7	4,739.0	Mass Cliffhouse		0.00	
5,057.7	4,765.0	Menefee		0.00	
5,613.7	5,321.0	Point Lookout		0.00	
5,993.7	5,701.0	Mancos		0.00	
6,796.7	6,504.0	Upper Gallup		0.00	
7,552.7	7,260.0	Greenhorn		0.00	
7,615.7	7,323.0	Graneros		0.00	
7,675.7	7,383.0	Two Wells		0.00	
7,752.7	7,460.0	Paguate		0.00	
7,779.7	7,487.0	Upper Cubero		0.00	
7,800.7	7,508.0	Lower Cubero		0.00	
7,876.7	7,584.0	Encinal		0.00	

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #244 N
2252' FSL & 1673' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 7,
T27N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 64 & CR 4450, GO SOUTHERLY ON CR 4450 FOR 25 MILES TO OLD SCHOOL HOUSE.
- 2) FROM "T" INTERSECTION BY SCHOOL HOUSE, GO NORTHERLY UP ICE CANYON FOR 3.3 MILES.
- 3) TURN LEFT & GO 2.85 MILES TO "Y" INTERSECTION.
- 4) TURN LEFT, GO AROUND CHEVERON COMP. SITE, & GO 6.2 MILES.
- 5) TURN RIGHT & GO 0.85 MILES.
- 6) TURN LEFT & GO 0.6 MILES.
- 7) TURN RIGHT & GO 0.1 MILES TO EXISTING LOCATION.
111' OF NEW ACCESS BEGINS ON THE NORTH SIDE OF LOCATION.

WELL FLAG LOCATED AT LAT. 36.58681° N, LONG. 107.61911° W (NAD 83).

