

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD JAN 8 '10

1a. Type of Work DRILL	5. Lease Number SF-078835 Unit Reporting Number	OIL CONS. DIV. DIST. 3
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	Bureau of Land Management Farmington Field Office	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	9. Well Number 254N
4. Location of Well Surf: Unit C(NENW), 962' FNL & 1793' FWL Bottomhole: Unit E(SWNW), 1665' FNL & 850' FWL Surf: Latitude: 36.60816° N (NAD83) Longitude: 107.61740° W Bottomhole: Latitude: 36.60623° N (NAD83) Longitude: 107.62073° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T27N, R7W API # 30-039-30884	
14. Distance in Miles from Nearest Town 16 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 850'		
16. Acres in Lease 640.200	17. Acres Assigned to Well 320.8 W/2 (MV/DK) 20	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 75' from San Juan 28-7 Unit 254N (MV/DK)		
19. Proposed Depth 7231'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6285' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date: <u>12/15/2009</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 representations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

JAN 08 2010

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

NMOC

Hold C104
for Directional Survey
and "As Drilled" plat

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30884	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31739	⁵ Property Name SAN JUAN 28-7 UNIT	⁶ Well Number 254 N
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6285'

¹⁰ Surface Location

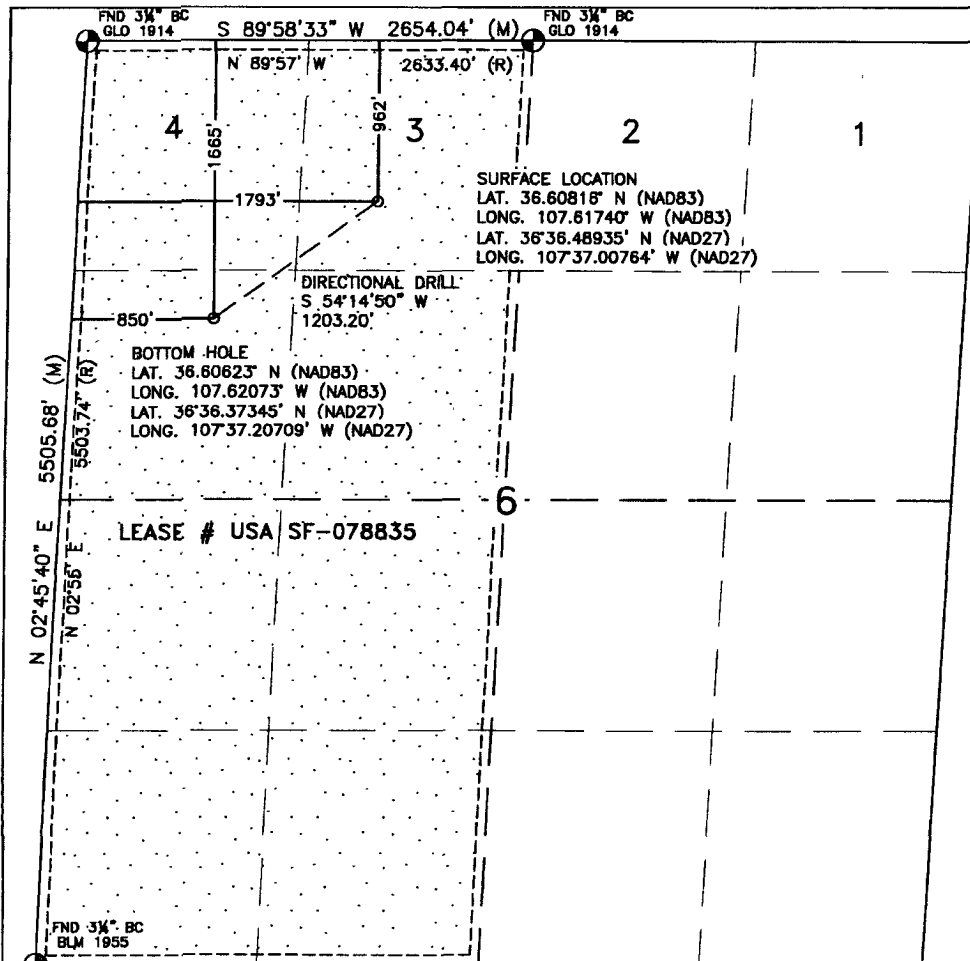
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	27N	7W	3	962'	NORTH	1793'	WEST	RIO ARriba

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
E	6	27N	7W		1665'	NORTH	850'	WEST	RIO ARriba
¹² Dedicated Acres 320.8 Acres - (W/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

18



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.

James Gardenhire 10/05/08
Signature Date

James Gardenhire

Printed Name

18 SURVEYOR CERTIFICATION

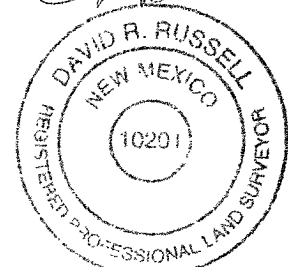
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 5, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 UNIT 254N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8318		AFE \$: 1,514,735.14	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Datum Code: NAD 27

Latitude: 36.608152 Longitude: -107.616791 X: Y: Section: 06 Range: 007W

Footage X: 1793 FWL Footage Y: 962 FNL Elevation: 6285 (FT) Township: 027N

Tolerance:

Location: Datum Code: NAD 27

Latitude: 36.606222 Longitude: -107.620121 X: Y: Section: 06 Range: 007W

Footage X: 850 FWL Footage Y: 1665 FNL Elevation: (FT) Township: 027N

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2011 Completion Date: Date In Operation:

Formation Data: Assume KB = 6300 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6100	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	1882	4418	☐			
KIRTLAND	1983	4317	☐			
FRUITLAND	2333	3967	☐			Possible Gas
PICTURED CLIFFS	2750	3550	☐			
LEWIS	2860	3440	☐			
HUERFANITO BENTONITE	3250	3050	☐			
CHACRA	3696	2604	☐			
Intermediate Casing	4000	2300	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 953 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	4392	1908	☐	400		Gas
MENEFEE	4462	1838	☐			
POINT LOOKOUT	4961	1339	☐			
MANCOS	5364	936	☐			
UPPER GALLUP	6157	143	☐			
GREENHORN	6905	-605	☐			
GRANEROS	6965	-665	☐			
TWO WELLS	7017	-717	☐	3000		Gas
PAGUATE	7059	-759	☐			
UPPER CUBERO	7131	-831	☐			
LOWER CUBERO	7151	-851	☐			TD 100' below Upper Cubero with bottom perf 20' off TD.
Total Depth	7231	-931	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/ L-80, LTC casing. Cement w/ 443 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 254N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	254 & 254M & 236M	section 6 27-7

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
No OH logs. Mudlog from 100' above Greenhorn to TD - logger 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 SJ 28-7 #254N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6300 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6300 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #254N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,955 8	1,882 0	Ojo		0 00		
2,066 8	1,983 0	Kirtland		0 00		
2,451 2	2,333 0	Fruitland		0 00		
2,909 3	2,750 0	Pictured Cliffs		0 00		
3,030 1	2,860 0	Lewis		0 00		
3,458 3	3,250 0	Huerfanto Bentonite		0 00		
3,923 8	3,696 0	Chacra		0 00		
4,621 1	4,392 0	Mass Cliffhouse		0 00		
4,691 1	4,462 0	Menefee		0 00		
5,190 1	4,961 0	Point Lookout		0 00		
5,593 1	5,364 0	Mancos		0 00		
6,386 1	6,157 0	Upper Gallup		0 00		
7,134 1	6,905 0	Greenhorn		0 00		
7,194 1	6,965 0	Graneros		0 00		
7,246 1	7,017 0	Two Wells		0 00		
7,288 1	7,059 0	Paguate		0 00		
7,360 1	7,131 0	Upper Cubero		0 00		
7,380 1	7,151 0	Lower Cubero		0 00		

REFERENCE INFORMATION

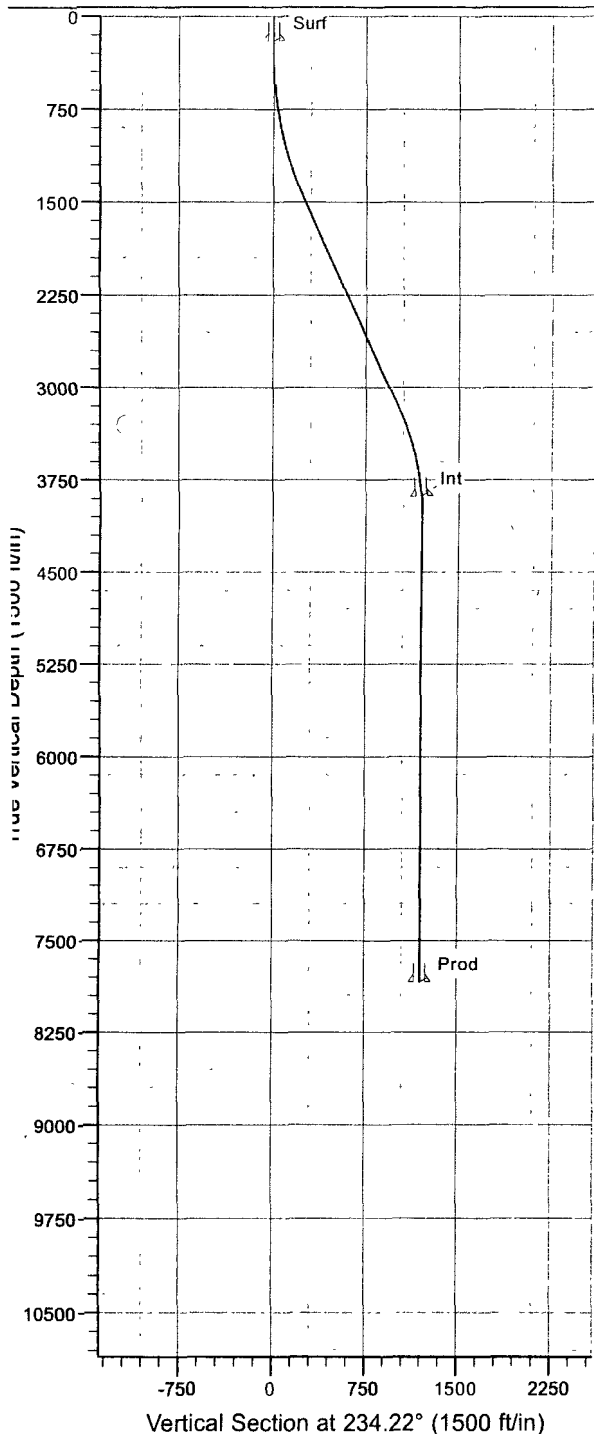
RKB @ 6300.0ft (Original Well Elev)
Ground Elevation 6285.0
Reference Lat: 36° 36' 29.361 N
Reference Long: 107° 37' 0.458 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #254N
Wellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

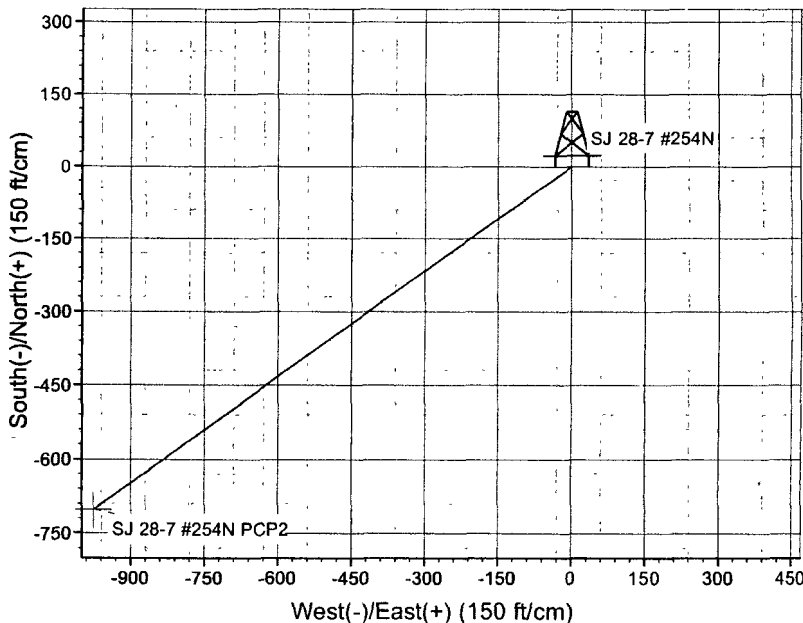
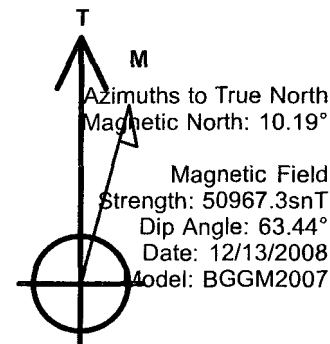
SECTION DETAILS

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	1542.4	24.45	234.22	1505.6	-150.2	-208.4	2.00	234.22	256.9	
4	3414.2	24.45	234.22	3209.6	-603.1	-836.8	0.00	0.00	1031.5	
5	4229.1	0.00	0.00	4000.0	-703.2	-975.7	3.00	180.00	1202.8	SJ 28-7 #254N ICP2
6	8067.1	0.00	0.00	7838.0	-703.2	-975.7	0.00	0.00	1202.8	SJ 28-7 #254N PCP2



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1728.0	1955.8	Ojo
1829.0	2066.8	Kirtland
2179.0	2451.2	Fruitland
2596.0	2909.3	Pictured Cliffs
2706.0	3030.1	Lewis
3096.0	3458.3	Huerfano Bentonite
3542.0	3923.8	Chacra
4238.0	4621.1	Mass. Cliffhouse
4308.0	4691.1	Menefee
4807.0	5190.1	Point Lookout
5210.0	5593.1	Mancos
6003.0	6386.1	Upper Gallup
6751.0	7134.1	Greenhorn
6811.0	7194.1	Graneros
6863.0	7246.1	Two Wells
6905.0	7288.1	Paguate
6977.0	7360.1	Upper Cubero
6997.0	7380.1	Lower Cubero



CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #254 N

962' FNL & 1793' FWL

LOCATED IN THE NE/4 NW/4 OF SECTION 6,

T27N, R7W, N M P M,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE BLANCO POST OFFICE, TRAVEL 1.2 MILES TO LARGO CANYON ROAD (C.R. 4450.)
- 2) TURN RIGHT AND TRAVEL 3.7 MILES.
- 3) TURN LEFT AND TRAVEL 5.75 TRAVEL MILES.
- 4) TURN RIGHT AND TRAVEL ACROSS WASH AND CONTINUE FOR 5.4 MILES TO NEW ACCESS FLAGGED ON THE RIGHT HAND SIDE OF THE ROAD.
- 5) FOLLOW RED FLAGGING FOR 221' TO THE EDGE OF EXISTING WELL PAD.

WELL FLAG LOCATED AT LAT. 36.60816° N, LONG. 107.61740° W (NAD 83).

