

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD JAN 12 '10
OIL CONS. DIV.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-080854 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator Bureau of Land Management Farmington Field Office ConocoPhillips Company	7. Unit Agreement Name San Juan 32-8 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 29P	
4. Location of Well Surf: Unit O(SWSE), 769' FSL & 1740' FEL Bottomhole: Unit O(SWSE), 1225' FSL & 1840' FEL Surf: Latitude: 36.906438° N (NAD83) Longitude: 107.642293° W Bottomhole: Latitude: 36.907694° N (NAD83) Longitude: 107.642645° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 11, T31N, R8W API # 30-045-35072	
14. Distance in Miles from Nearest Town 34 miles / Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 769'		
16. Acres in Lease 952.760	17. Acres Assigned to Well 320.00 E/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from San Juan 32-8 Unit 248A (FC)		
19. Proposed Depth 8218'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6660' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start 12/15/2009	
24. Authorized by: Crystal Tafoya Crystal Tafoya (Regulatory Technician)	Date	

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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
Hold C104 for Directional Survey and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JAN 13 2010

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35072	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	⁶ Well Number 29P
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6660

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
O	11	31-N	8-W		769	SOUTH	1740	EAST	SAN JUAN

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
O	11	31-N	8-W		1225	SOUTH	1840	EAST	SAN JUAN

¹² Dedicated Acres 320.00 (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 BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	E/2 DEDICATED ACREAGE USA SF-080854 SECTION 11, T-31-N, R-8-W		BLM 1954
	BOTTOM HOLE NAD 83 LAT: 36.907694° N LONG: 107.642645° W NAD 27 LAT: 36°54.461409' N LONG: 107°38.522008' W		
	WELL FLAG NAD 83 LAT: 36.906438° N LONG: 107.642293° W NAD 27 LAT: 36°54.386047' N LONG: 107°38.500875' W BLM 1954		
	1225' 769' 1840' 1740' 2563.4' (R) 2564.0' (M) 2587.9' (R) 2581.3' (M)		
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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Ethel Tally</i> Signature Ethel Tally Printed Name Staff Regulatory Technician Title and E-mail Address 9/4/09 Date			
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. Date of Survey: 8/19/09 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393			

PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 29P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9324				AFE \$: 1,657,070.53	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional:							
Latitude: 36.906434		Longitude: -107.641681		X:	Y:	Section: 11	Range: 008W
Footage X: 1740 FEL		Footage Y: 769 FSL		Elevation: 6660 (FT)		Township: 031N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional:							
Latitude: 36.907690		Longitude: -107.642033		X:	Y:	Section: 11	Range: 008W
Footage X: 1840 FEL		Footage Y: 1225 FSL		Elevation: (FT)		Township: 031N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6676 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6476	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
NACIMIENTO	968	5708	☐				
OJO ALAMO	2386	4290	☐				
KIRTLAND	2464	4212	☐				
FRUITLAND	3026	3650	☐			Possible Gas	
PICTURED CLIFFS	3551	3125	☐				
LEWIS	3661	3015	☐				
Intermediate Casing	3761	2915	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 862 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4336	2340	☐				
CHACRA	4724	1952	☐				
MASSIVE CLIFF HOUSE	5519	1157	☐	700		Gas	
MENEFEE	5564	1112	☐				
POINT LOOKOUT	5874	802	☐				
MANCOS	6219	457	☐				
UPPER GALLUP	7176	-500	☐				
GREENHORN	7902	-1226	☐				
GRANEROS	7959	-1283	☐				
TWO WELLS	8061	-1385	☐	3465		Gas	
UPPER CUBERO	8092	-1416	☐				
LOWER CUBERO	8121	-1445	☐				
ENCINAL	8175	-1499	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 29P

DEVELOPMENT

Total Depth	8218	-1542	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55 / L-80, LTC casing. Cement w/ 606 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

TD is ~43' + T/Encn (similar to No. 29M). Mud log from ~100' above the Greenhorn to TD. Mud loggers will call final TD. Est bottom perf is ~20' above the est TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-8 #29P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6676.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6676.0ft (Original Well Elev)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-8 #29P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

3,616.8	3,551.0	Pictured Cliffs	0.00
6,284.8	6,219.0	Mancos	0.00
8,024.8	7,959.0	Graneros	0.00
2,521.3	2,464.0	Kirtland	0.00
7,241.8	7,176.0	Upper Gallup	0.00
3,726.8	3,661.0	Lewis	0.00
5,584.8	5,519.0	Massive Cliffhouse	0.00
8,126.8	8,061.0	Two Wells	0.00
5,629.8	5,564.0	Menefee	0.00
4,789.8	4,724.0	Chacra	0.00
5,939.8	5,874.0	Point Lookout	0.00
3,091.8	3,026.0	Fruitland	0.00
4,401.8	4,336.0	Huefanito Bentonite	0.00
8,186.8	8,121.0	Lower Cubero	0.00
7,967.8	7,902.0	Greenhorn	0.00
2,439.1	2,386.0	Ojo Alamo	0.00
8,157.8	8,092.0	Upper Cubero	0.00
968.0	968.0	Nacimiento	0.00

REFERENCE INFORMATION

RKB @ 6676.0ft (Original Well Elev)
Ground Elevation 6660.0
Reference Lat: 36° 54' 23.163 N
Reference Long: 107° 38' 30.053 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 32 Wells

Well: SJ 32-8 #29P

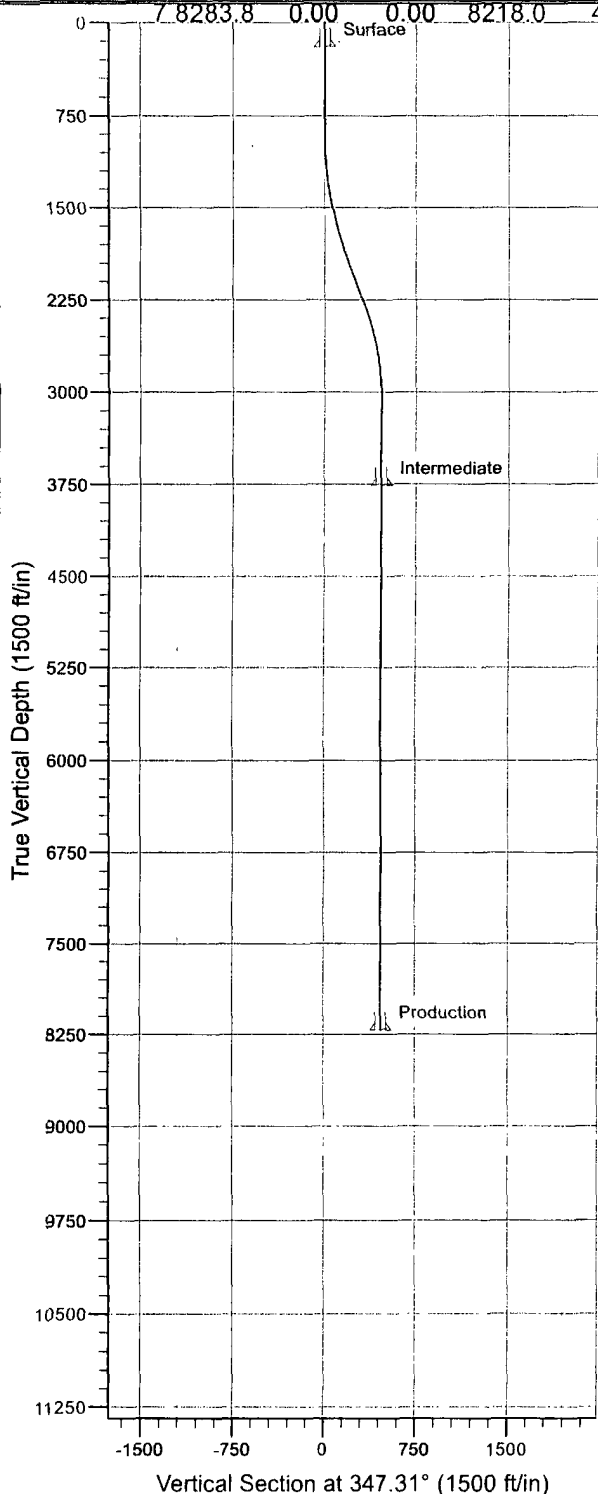
Wellbore: Principal Wellbore

Design: Plan #1

ConocoPhillips

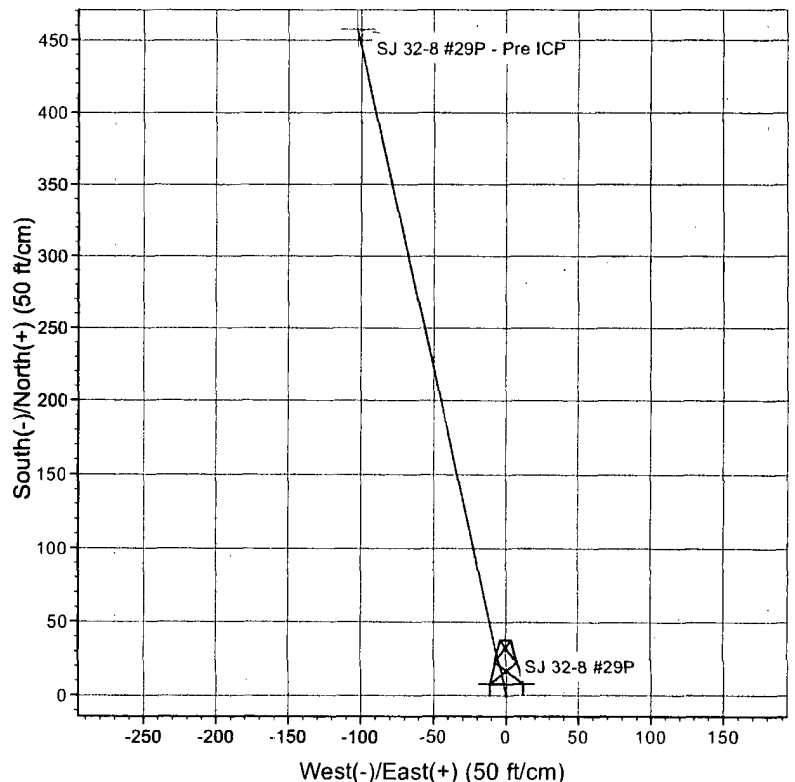
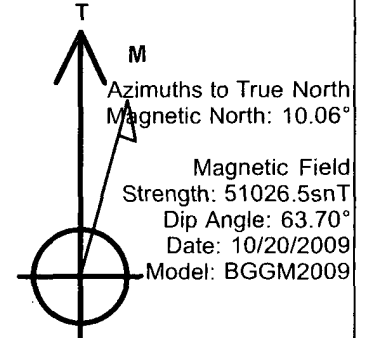
SECTION DETAILS

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	900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	
3	1907.2	20.14	347.31	1886.5	170.9	-38.5	2.00	347.31	175.2	
4	2420.3	20.14	347.31	2368.3	343.3	-77.3	0.00	0.00	351.9	
5	3091.8	0.00	0.00	3026.0	457.3	-103.0	3.00	180.00	468.8	SJ 32-8 #29P - Pre ICP
6	3826.8	0.00	0.00	3761.0	457.3	-103.0	0.00	0.00	468.8	SJ 32-8 #29P - ICP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
968.0	968.0	Nacimiento
2386.0	2439.1	Ojo Alamo
2464.0	2521.3	Kirtland
3026.0	3091.8	Fruitland
3551.0	3616.8	Pictured Cliffs
3661.0	3726.8	Lewis
4336.0	4401.8	Huefanito Bentonite
4724.0	4789.8	Chacra
5519.0	5584.8	Massive Cliffhouse
5564.0	5629.8	Menefee
5874.0	5939.8	Point Lookout
6219.0	6284.8	Mancos
7176.0	7241.8	Upper Gallup
7902.0	7967.8	Greenhorn
7959.0	8024.8	Graneros
8061.0	8126.8	Two Wells
8092.0	8157.8	Upper Cubero
8121.0	8186.8	Lower Cubero



CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT #29P

769' FSL, 1740' FEL

SECTION 11, T-31-N, R-8-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.906438°N LONG.: 107.642293°W

ELEV.: 6660 NAVD88

NO NEW ACCESS

FROM BLOOMFIELD, NEW MEXICO:

- FROM THE INTERSECTION OF HWY 550 & HWY. 64 GO 11.7 MI. EAST ON HWY. 64. TURN LEFT AT MILE MARKER 76.1 AT HWY. 511.
- GO 21.3 MI. NORTH ON HWY 511.
- TURN RIGHT AT MILE MARKER 21.3 (CAUTION: BLIND CURVE ON HIGHWAY.)
- GO 0.4 MI. TO "Y" AND TURN LEFT (NORTH).
- GO 0.3 MI. NORTH TO EXISTING SAN JUAN 32-8 UNIT #248A WELL LOCATION. NEW WELL IS TWINNED HERE.