

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 06 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	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	5. Lease Number SF-078740
1b. Type of Well GAS		Unit Reporting Number If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name San Juan 30-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 270N
4. Location of Well Surface: Unit M(SWSW), 1021' FSL & 663' FWL BHL : Unit K(NESW), 1705' FSL & 1895' FWL Surface: Latitude: 36.779154° N (NAD83) Longitude: 107.387439° W Surface: Latitude: 36.781029° N (NAD83) Longitude: 107.383227° W		10. Field, Pool, Wildcat Blanco MV/Basin DK/Basin MC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T30N, R5W API# 30-039- 311/3
14. Distance in Miles from Nearest Town 57.9 miles Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 663'		
16. Acres in Lease 2560.000	17. Acres Assigned to Well MV 320.0 - W/2 DK/MC 320.0 - S/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 327.3 from SJ 30-5 Unit 7 (MV)		
19. Proposed Depth 7676	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6260' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		RCUD MAY 25 '12 OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)		3/6/12 Date

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 5/15/12

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 ES-0048 and ES-0085

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

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JUN 06 2012

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

RECEIVED

MAR 06 2012

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

Farmington Field Office
Bureau of Land Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31113	² Pool Code 71599/72319/97232	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE / MANCOS
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30-5 UNIT	⁶ Well Number 270N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6260

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
M	29	30-N	5-W		1021	SOUTH	663	WEST	RIO ARRIBA

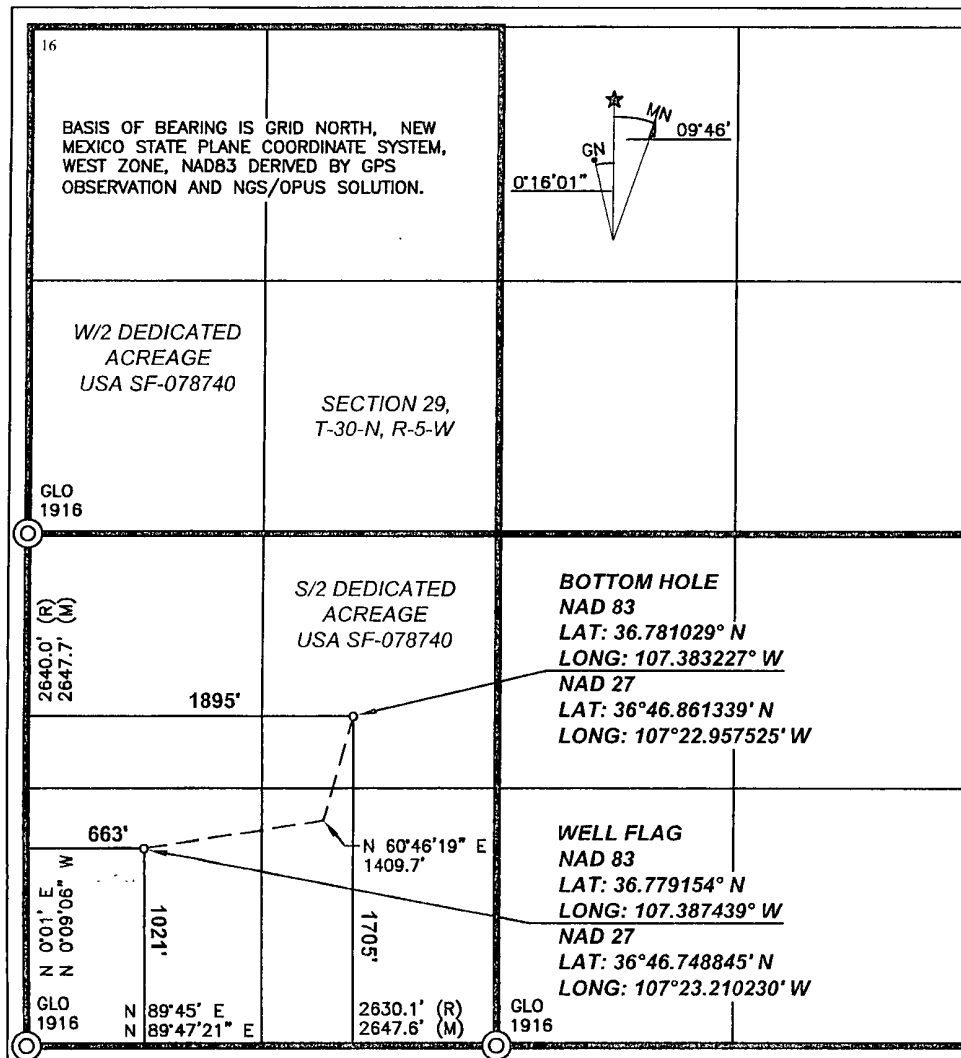
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	29	30-N	5-W		1705	SOUTH	1895	WEST	RIO ARRIBA

¹² Dedicated Acres MV -320.0- W/2 DK -320.0- S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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MC -320.0 S/2

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Arleen Kellywood 12/8/11
Signature Date

Arleen Kellywood

Printed Name

arleen.r.kellywood@conocophillips.com

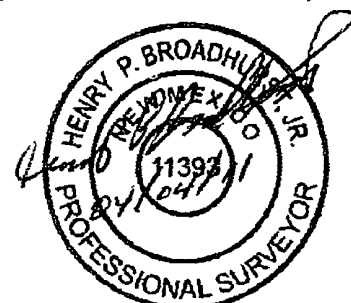
E-mail Address

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: 3/22/11

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 270N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8508				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		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)						
RCO085	MANCOS(RCO085)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface:							
Latitude: 36.779147		Longitude: -107.386837		X:	Y:	Section: 29	Range: 005W
Footage X: 663 FWL		Footage Y: 1021 FSL		Elevation: 6260 (FT)	Township: 030N		
Tolerance:							
Location: Bottom Hole:							
Latitude: 36.781022		Longitude: -107.382625		X:	Y:	Section: 29	Range: 005W
Footage X: 1895 FWL		Footage Y: 1705 FSL		Elevation:	(FT)	Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6275 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6075	200	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1102	5173		☐			
OJO ALAMO	2418	3857		☐			
KIRTLAND	2520	3755		☐			
FRUITLAND	2638	3637		☐			Possible Gas
PICTURED CLIFFS	3223	3052		☐			
LEWIS	3296	2979		☐			
Intermediate Casing	3706	2569	4059	☐	121	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 880 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3971	2304		☐			
CHACRA	4287	1988		☐			
MASSIVE CLIFF HOUSE	5136	1139		☐	489		Gas; Cliffhouse is dry
MENEFEE	5172	1103		☐			
POINT LOOKOUT	5450	825		☐			
MANCOS	5818	457		☐			
UPPER GALLUP	6671	-396		☐			
GREENHORN	7400	-1125		☐			
GRANEROS	7447	-1172		☐			
TWO WELLS	7556	-1281		☐	3316		Gas
UPPER CUBERO	7578	-1303		☐			
LOWER CUBERO	7609	-1334		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 270N

DEVELOPMENT

Total Depth	7676	-1401	☐	200	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 520 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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ENCINAL	7676	-1401	8029	☐	TD ~ T/Encinal
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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

Est bottom perf ~15' from 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 30-5 #270N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6275.0ft (Original Well Elev)
Project:	San Juan Basin-NM Gold Data-NAD27 NM Centr	MD Reference:	WELL @ 6275.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #270N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #270N		
Design:	Plan #1		

Project:	San Juan Basin-NM Gold Data-NAD27 NM Central, New Mexico, Actual Survey Gold data		
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		

Site: San Juan 30 Wells, Township 30

Site Position:		Northing:	2,099,273.52 ft	Latitude:	36° 45' 45.446 N
From:	Lat/Long	Easting:	128,860.33 ft	Longitude:	107° 31' 1.286 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.76 °

Well:	SJ 30-5 #270N					
Well Position	+N/-S	0.0 ft	Northing:	2,104,810.21 ft	Latitude:	36° 46' 44.931 N
	+E/-W	0.0 ft	Easting:	167,067.91 ft	Longitude:	107° 23' 12.614 W
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,260.0 ft	

Wellbore: SJ 30-5 #270N

Magnetics:	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	1/4/2012	9.67	63.55	50,723

Design: Plan #1

Audit Notes:	
Version:	Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	61.04

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	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,668.5	33.71	61.04	1,592.1	186.6	337.2	2.50	2.50	0.00	61.04	
2,935.5	33.71	61.04	2,646.0	527.1	952.5	0.00	0.00	0.00	0.00	
4,059.3	0.00	0.00	3,706.0	682.7	1,233.5	3.00	-3.00	0.00	180.00	SJ 30-5 #270N ICP
8,029.3	0.00	0.00	7,676.0	682.7	1,233.5	0.00	0.00	0.00	0.00	SJ 30-5 #270N PCI

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #270N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6275 0ft (Original Well Elev)
Project:	San Juan Basin-NM Gold Data-NAD27 NM Centr	MD Reference:	WELL @ 6275 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #270N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #270N		
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
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	2.00	61.04	400.0	0.7	1.2	1.4	2.50	2.50	0.00
500.0	4.50	61.04	499.8	3.4	6.2	7.1	2.50	2.50	0.00
600.0	7.00	61.04	599.3	8.3	14.9	17.1	2.50	2.50	0.00
700.0	9.50	61.04	698.3	15.2	27.5	31.4	2.50	2.50	0.00
800.0	12.00	61.04	796.5	24.2	43.8	50.1	2.50	2.50	0.00
900.0	14.50	61.04	893.8	35.3	63.9	73.0	2.50	2.50	0.00
1,000.0	17.00	61.04	990.1	48.5	87.6	100.1	2.50	2.50	0.00
1,100.0	19.50	61.04	1,085.0	63.7	115.0	131.5	2.50	2.50	0.00
1,118.0	19.95	61.04	1,102.0	66.6	120.3	137.5	2.50	2.50	0.00
Nacimiento									
1,200.0	22.00	61.04	1,178.5	80.8	146.0	166.9	2.50	2.50	0.00
1,300.0	24.50	61.04	1,270.4	99.9	180.5	206.4	2.50	2.50	0.00
1,400.0	27.00	61.04	1,360.5	121.0	218.6	249.8	2.50	2.50	0.00
1,500.0	29.50	61.04	1,448.6	143.9	260.0	297.1	2.50	2.50	0.00
1,600.0	32.00	61.04	1,534.5	168.6	304.7	348.2	2.50	2.50	0.00
1,668.5	33.71	61.04	1,592.1	186.6	337.2	385.4	2.50	2.50	0.00
1,700.0	33.71	61.04	1,618.2	195.1	352.5	402.9	0.00	0.00	0.00
1,800.0	33.71	61.04	1,701.4	222.0	401.1	458.4	0.00	0.00	0.00
1,900.0	33.71	61.04	1,784.6	248.8	449.6	513.9	0.00	0.00	0.00
2,000.0	33.71	61.04	1,867.8	275.7	498.2	569.4	0.00	0.00	0.00
2,100.0	33.71	61.04	1,951.0	302.6	546.8	624.9	0.00	0.00	0.00
2,200.0	33.71	61.04	2,034.1	329.5	595.3	680.4	0.00	0.00	0.00
2,300.0	33.71	61.04	2,117.3	356.3	643.9	735.9	0.00	0.00	0.00
2,400.0	33.71	61.04	2,200.5	383.2	692.5	791.4	0.00	0.00	0.00
2,500.0	33.71	61.04	2,283.7	410.1	741.0	846.9	0.00	0.00	0.00
2,600.0	33.71	61.04	2,366.9	437.0	789.6	902.4	0.00	0.00	0.00
2,661.5	33.71	61.04	2,418.0	453.5	819.4	936.5	0.00	0.00	0.00
Ojo									
2,700.0	33.71	61.04	2,450.1	463.8	838.1	957.9	0.00	0.00	0.00
2,784.1	33.71	61.04	2,520.0	486.4	879.0	1,004.6	0.00	0.00	0.00
Kirtland									
2,800.0	33.71	61.04	2,533.2	490.7	886.7	1,013.4	0.00	0.00	0.00
2,900.0	33.71	61.04	2,616.4	517.6	935.3	1,068.9	0.00	0.00	0.00
2,925.9	33.71	61.04	2,638.0	524.6	947.9	1,083.3	0.00	0.00	0.00
Fruitland									
2,935.5	33.71	61.04	2,646.0	527.1	952.5	1,088.6	0.00	0.00	0.00
3,000.0	31.78	61.04	2,700.2	544.0	983.0	1,123.5	3.00	-3.00	0.00
3,100.0	28.78	61.04	2,786.5	568.4	1,027.2	1,173.9	3.00	-3.00	0.00
3,200.0	25.78	61.04	2,875.4	590.6	1,067.2	1,219.8	3.00	-3.00	0.00
3,300.0	22.78	61.04	2,966.6	610.5	1,103.2	1,260.9	3.00	-3.00	0.00
3,400.0	19.78	61.04	3,059.7	628.1	1,135.0	1,297.2	3.00	-3.00	0.00
3,500.0	16.78	61.04	3,154.7	643.3	1,162.4	1,328.5	3.00	-3.00	0.00
3,571.0	14.65	61.04	3,223.0	652.6	1,179.2	1,347.8	3.00	-3.00	0.00
Pictured Cliffs									
3,600.0	13.78	61.04	3,251.1	656.0	1,185.5	1,354.9	3.00	-3.00	0.00
3,646.1	12.40	61.04	3,296.0	661.1	1,194.6	1,365.3	3.00	-3.00	0.00
Lewis									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #270N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6275 0ft (Original Well Elev)
Project:	San Juan Basin-NM Gold Data-NAD27 NM Centr	MD Reference:	WELL @ 6275 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #270N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #270N		
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)
3,700.0	10.78	61.04	3,348.8	666.3	1,204.1	1,376.1	3.00	-3.00	0.00
3,800.0	7.78	61.04	3,447.5	674.1	1,218.2	1,392.3	3.00	-3.00	0.00
3,900.0	4.78	61.04	3,546.9	679.4	1,227.7	1,403.2	3.00	-3.00	0.00
4,000.0	1.78	61.04	3,646.7	682.2	1,232.7	1,408.9	3.00	-3.00	0.00
4,059.3	0.00	0.00	3,706.0	682.7	1,233.5	1,409.8	3.00	-3.00	-102.95
Intermediate - SJ 30-5 #270N ICP									
4,100.0	0.00	0.00	3,746.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,200.0	0.00	0.00	3,846.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,300.0	0.00	0.00	3,946.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,324.3	0.00	0.00	3,971.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Huerfano Bentonite									
4,400.0	0.00	0.00	4,046.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,146.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,600.0	0.00	0.00	4,246.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,640.3	0.00	0.00	4,287.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Chacra									
4,700.0	0.00	0.00	4,346.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,800.0	0.00	0.00	4,446.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,546.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,646.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,100.0	0.00	0.00	4,746.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,200.0	0.00	0.00	4,846.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,300.0	0.00	0.00	4,946.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,046.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,489.3	0.00	0.00	5,136.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Mass. Cliffhouse									
5,500.0	0.00	0.00	5,146.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,525.3	0.00	0.00	5,172.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Menefee									
5,600.0	0.00	0.00	5,246.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,346.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,446.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
5,803.3	0.00	0.00	5,450.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,546.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,646.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,100.0	0.00	0.00	5,746.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,171.3	0.00	0.00	5,818.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Mancos									
6,200.0	0.00	0.00	5,846.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,300.0	0.00	0.00	5,946.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,046.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,146.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,246.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,346.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,446.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,546.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,646.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,024.3	0.00	0.00	6,671.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Upper Gallup									
7,100.0	0.00	0.00	6,746.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,200.0	0.00	0.00	6,846.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #270N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6275.0ft (Original Well Elev)
Project:	San Juan Basin-NM Gold Data-NAD27 NM Centr	MD Reference:	WELL @ 6275.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #270N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #270N		
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)
7,300.0	0.00	0.00	6,946.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,046.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,146.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,246.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,346.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,753.3	0.00	0.00	7,400.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Greenhorn									
7,800.0	0.00	0.00	7,446.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,800.3	0.00	0.00	7,447.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Graneros									
7,900.0	0.00	0.00	7,546.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
7,909.3	0.00	0.00	7,556.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Two Wells									
7,931.3	0.00	0.00	7,578.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Upper Cubero									
7,962.3	0.00	0.00	7,609.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,646.7	682.7	1,233.5	1,409.8	0.00	0.00	0.00
8,029.3	0.00	0.00	7,676.0	682.7	1,233.5	1,409.8	0.00	0.00	0.00
Encinal - Production - SJ 30-5 #270N 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
- Shape										
SJ 30-5 #270N ICP										
- plan hits target center										
- Point										
SJ 30-5 #270N PCP										
- plan hits target center										
- Point										

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surface	9-5/8	12-1/4
4,059.3	3,706.0	Intermediate	7	8-3/4
8,029.3	7,676.0	Production	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #270N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6275.0ft (Original Well Elev)
Project:	San Juan Basin-NM Gold Data-NAD27 NM Centr	MD Reference:	WELL @ 6275.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #270N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #270N		
Design:	Plan #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,571.0	3,223.0	Pictured Cliffs			
4,640.3	4,287.0	Chacra			
6,171.3	5,818.0	Mancos			
7,024.3	6,671.0	Upper Gallup			
5,489.3	5,136.0	Mass. Cliffhouse			
2,661.5	2,418.0	Ojo			
7,962.3	7,609.0	Lower Cubero			
4,324.3	3,971.0	Huerfanito Bentonite			
2,784.1	2,520.0	Kirtland			
5,803.3	5,450.0	Point Lookout			
8,029.3	7,676.0	Encinal			
3,646.1	3,296.0	Lewis			
1,118.0	1,102.0	Nacimiento			
7,800.3	7,447.0	Graneros			
7,931.3	7,578.0	Upper Cubero			
5,525.3	5,172.0	Menefee			
7,909.3	7,556.0	Two Wells			
2,925.9	2,638.0	Fruitland			
7,753.3	7,400.0	Greenhorn			

REFERENCE INFORMATION

WELL @ 6275.0ft (Original Well Elev)
Ground Elevation 6260.0
Reference Lat: 36° 46' 44.931 N
Reference Long: 107° 23' 12.614 W

ect: San Juan Basin-NM Gold Data-NAD27 NM
Site: San Juan 30 Wells
Well: SJ 30-5 #270N
Core: SJ 30-5 #270N
Sign: Plan #1

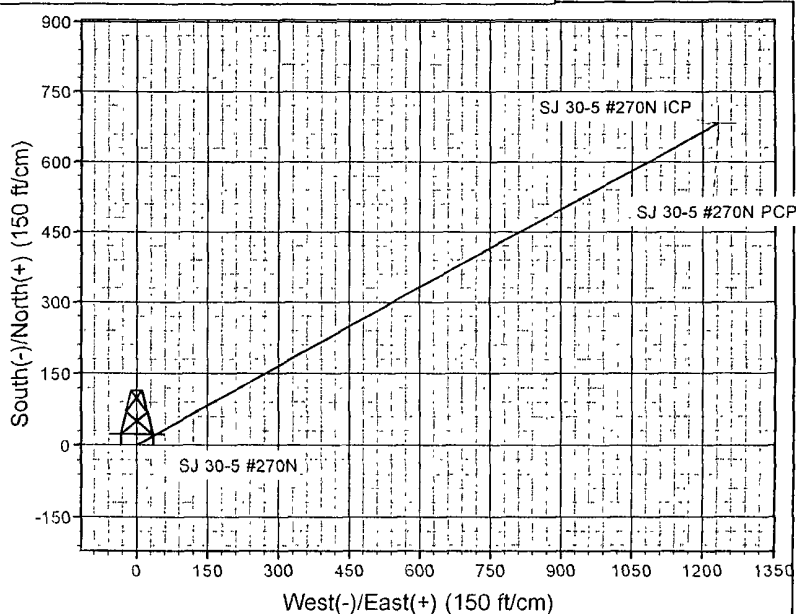
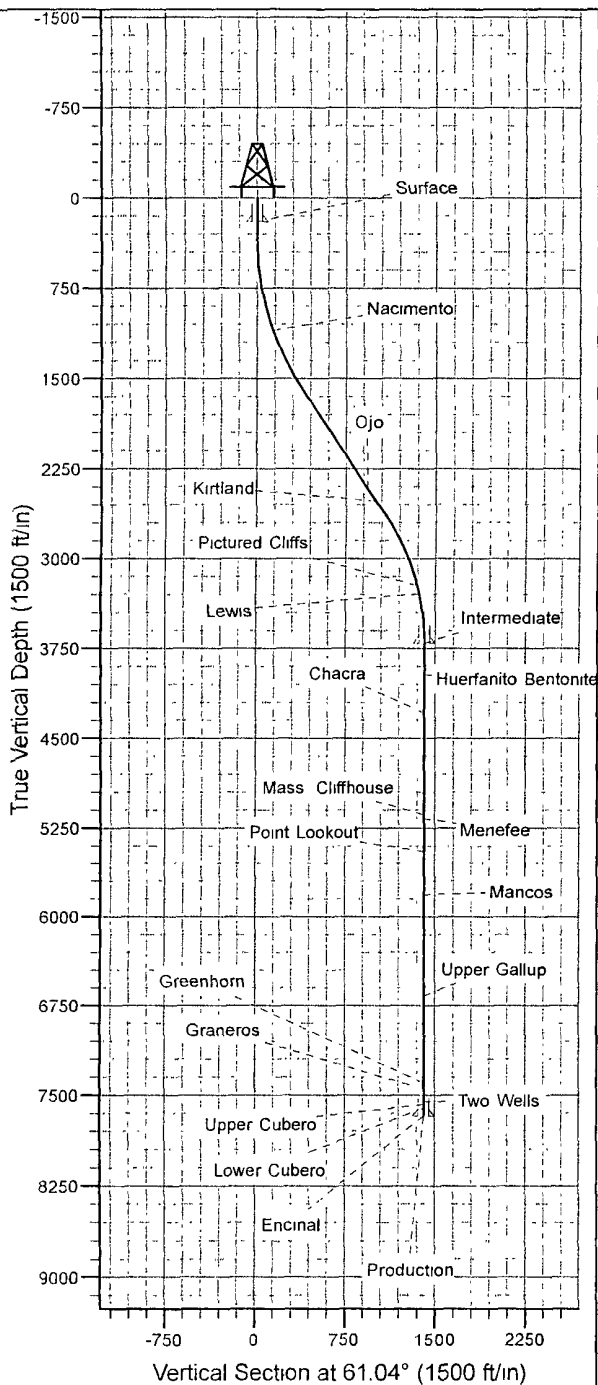
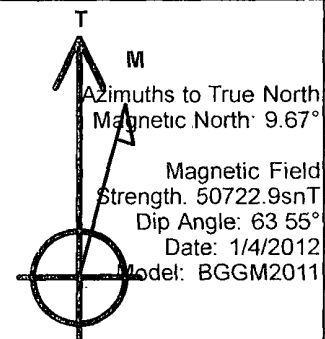
ConocoPhillips

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	1668.5	33.71	61.04	1592.1	186.6	337.2	2.50	61.04	385.4	
4	2935.5	33.71	61.04	2646.0	527.1	952.5	0.00	0.00	1088.6	
5	4059.3	0.00	0.00	3706.0	682.7	1233.5	3.00	180.00	1409.8	SJ 30-5 #270N ICP
6	8029.3	0.00	0.00	7676.0	682.7	1233.5	0.00	0.00	1409.8	SJ 30-5 #270N PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1102.0	1118.0	Nacimiento
2418.0	2661.5	Ojo
2520.0	2784.1	Kirtland
2638.0	2925.9	Fruitland
3223.0	3571.0	Pictured Cliffs
3296.0	3646.1	Lewis
3971.0	4324.3	Huerfanito Bentonite
4287.0	4640.3	Chacra
5136.0	5489.3	Mass. Cliffhouse
5172.0	5525.3	Menefee
5450.0	5803.3	Point Lookout
5818.0	6171.3	Mancos
6671.0	7024.3	Upper Gallup
7400.0	7753.3	Greenhorn
7447.0	7800.3	Graneros
7556.0	7909.3	Two Wells
7578.0	7931.3	Upper Cubero
7609.0	7962.3	Lower Cubero
7676.0	8029.3	Encinal



SAN JUAN 30-5 UNIT 270N

1021' FSL, 663' FWL

NO NEW ACCESS



1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW--3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 270N
1021' FSL, 663' FWL
SECTION 29, T-30-N, R-5-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.779154°N LONG.: 107.387439°W
GROUND ELEV.: 6260 NAVD88
NO NEW ACCESS (CO-LOCATED WITH SJ 30-5 UNIT 7)

FROM BLOOMFIELD, NEW MEXICO:

- GO 37.7 MILES EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MILES NORTH ON HWY. 527. TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MILES ALONG ROSA ROAD, CROSSING LA JARA WASH. TURN RIGHT (EASTERLY) AT BLM WARNING SIGN.
- GO 3.7 MILES, CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD TO THE EAST. TURN RIGHT (SOUTH).
- GO 1.1 MILES SOUTH TO CATTLE GUARD AND GATE (MAY BE LOCKED IN WINTER).
- CONTINUE 0.3 MILES SOUTH, CROSSING LA JARA WASH. TURN LEFT (SOUTH EAST)
- GO 0.6 MILES NEW LOCATION STAKED ON RIGHT SIDE OF ROAD, 300 FEET WEST OF CONOCO PHILLIPS SAN JUAN UNIT 7.