

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 19 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

San Juan 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-078739	Unit Reporting Number NMNM-7849A-MV NMNM-7849B-DK
1b. Type of Well GAS		6. 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 San Juan 30-5 Unit	9. Well Number 95M
4. Location of Well Surface: Unit H (SENE), 1625' FNL & 1040' FEL BHL: Unit I (NESE), 2365' FSL & 845' FEL Surface: Latitude: 36.786450° N (NAD83) Longitude: 107.357306° W BHL: Latitude: 36.782904° N (NAD83) Longitude: 107.356651		10. Field, Pool, Wildcat Blanco MV / Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T30N, R5W API # 30-039-31061
14. Distance in Miles from Nearest Town 48.1 miles from Blanco, NM		12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 845'			
16. Acres in Lease 2320.00 acres		17. Acres Assigned to Well 320.00 MV/DK E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 30-5 Unit 95 (DK)			
19. Proposed Depth 7962'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6512' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Debbie L. Busse</u> Debbie L. Busse (Staff Regulatory Tech)		Date <u>April 15, 2011</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY DMantecus

TITLE AFM

DATE 6/24/11

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 25 2011

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

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.2
and appeal pursuant to 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat

RECD JUL 25 2011
BLM COS. DIV.
DIST. 3

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

APR 19 2011

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

Form C-102

Revised October 12, 2005

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 31041		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 31327		*Property Name SAN JUAN 30 - 5 UNIT			*Well Number 95M
*OGRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6512'

10 Surface Location

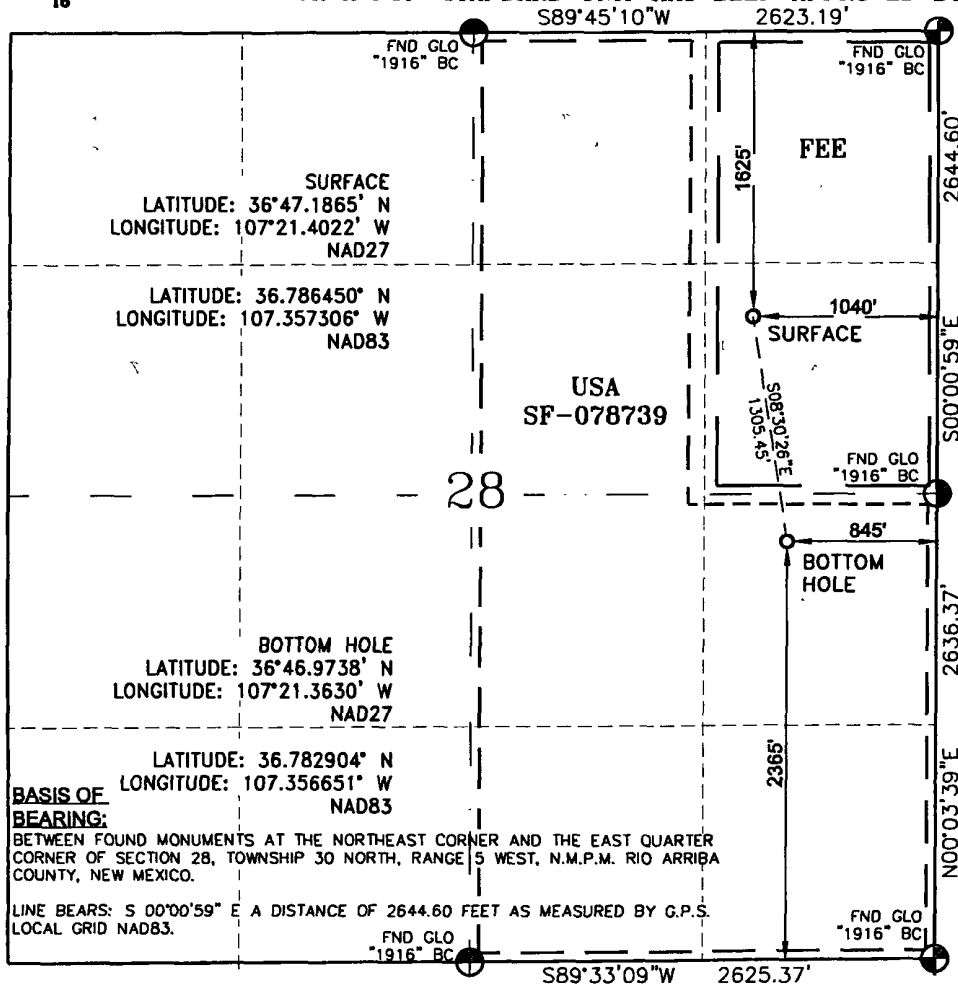
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	28	30-N	5-W		1625	NORTH	1040	EAST	RIO ARriba

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
I	28	30-N	5-W		2365	SOUTH	845	EAST	RIO ARriba
*Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/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 undivided 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.

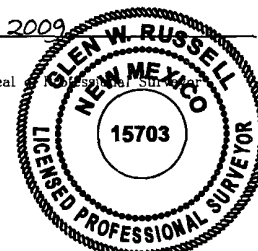
Crystal Tafoya 2/12/2010
Signature
Crystal Tafoya 2/12/2010
Printed Name

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.

December 3, 2009
Date of Survey

Signature and Seal



GLEN W. RUSSELL
Certificate Number

15703

NO NEW BLM ACCESS

EXISTING ACCESS

E.R.A.

36.78799 N

107.35719 W

NAD 83

SAN JUAN 30-5 UNIT #95M

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**NATIONAL
GEOGRAPHIC**

TN★/MN

 10^3

12/03/09

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 95M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8314				AFE \$: 1,615,958.04	
Field Name: 30-5		Rig: Aztec Rig 920		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		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: 36.786443	Longitude: -107.356704	X:	Y:	Section: 28		Range: 005W	
Footage X: 1040 FEL	Footage Y: 1625 FNL	Elevation: 6512	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.782897	Longitude: -107.356049	X:	Y:	Section: 28		Range: 005W	
Footage X: 845 FEL	Footage Y: 2365 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6527 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6297		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2651	3876		☐			
KIRTLAND	2756	3771		☐			
FRUITLAND	2812	3715		☐			Possible Gas
PICTURED CLIFFS	3437	3090		☐			
LEWIS	3573	2954		☐			
Intermediate Casing	4000	2527		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 958 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4215	2312		☐			
CHACRA	4522	2005		☐			
MASSIVE CLIFF HOUSE	5382	1145		☐	580		Gas
MENEFEE	5419	1108		☐			
POINT LOOKOUT	5639	888		☐			
MANCOS	6072	455		☐			
UPPER GALLUP	6905	-378		☐			
GREENHORN	7637	-1110		☐			
GRANEROS	7686	-1159		☐			
PAGUATE	7812	-1285		☐	3173		
UPPER CUBERO	7818	-1291		☐			
LOWER CUBERO	7858	-1331		☐			
ENCINAL	7928	-1401		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 95M

DEVELOPMENT

Total Depth	7962	-1435	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 540 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

Mudlog from ~100' above the Gallup to TD. Mudloggers will call final TD. Est bottom perf ~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
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 30 Wells
Well: SJ 30-5 #95M
Wellbore: Original Hole
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-5 #95M
TVD Reference: RKB @ 6527.0ft (Original Well Elev)
MD Reference: RKB @ 6527.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project: San Juan Basin - New Mexico West 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 West 3003 Using geodetic scale factor

Site: San Juan 30 Wells
Site Position: Northing: 2,102,764.35 ft Latitude: 36° 46' 42.851 N
From: Lat/Long Easting: 577,489.48 ft Longitude: 107° 34' 7.456 W
Position Uncertainty: 15.0 ft Slot Radius: " Grid Convergence: 0.16 °

Well: SJ 30-5 #95M
Well Position: +N/-S 0.0 ft Northing: 2,105,870.63 ft Latitude: 36° 47' 11.190 N
 +E/-W 0.0 ft Easting: 639,571.95 ft Longitude: 107° 21' 24.132 W
Position Uncertainty: 3.5 ft Wellhead Elevation: ft Ground Level: 6,512.0 ft

Wellbore: Original Hole
Magnetics: Model Name Sample Date Declination Dip Angle Field Strength
 BGGM2010 2/10/2011 9.76 63.62 50,845

Design: Plan #1
Audit Notes:
Version: Phase: PROTOTYPE Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 (ft) (ft) (ft) (°)
 0.0 0.0 0.0 172.06

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	
1,140.9	24.63	171.57	1,115.9	-171.9	25.5	3.00	3.00	0.00	171.57	
3,438.1	24.63	171.57	3,204.1	-1,118.8	165.9	0.00	0.00	0.00	0.00	
4,259.1	0.00	0.00	4,000.0	-1,290.7	191.3	3.00	-3.00	0.00	180.00	SJ 30-5 #95M ICP
8,221.1	0.00	0.00	7,962.0	-1,290.7	191.3	0.00	0.00	0.00	0.00	SJ 30-5 #95M PCP

ConocoPhillips or its affiliates

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MD Reference: RKB @ 6527.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
230.0	0.00	0.00	230.0	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	2.40	171.57	400.0	-1.7	0.2	1.7	3.00	3.00	0.00
500.0	5.40	171.57	499.7	-8.4	1.2	8.5	3.00	3.00	0.00
600.0	8.40	171.57	599.0	-20.3	3.0	20.5	3.00	3.00	0.00
700.0	11.40	171.57	697.5	-37.3	5.5	37.7	3.00	3.00	0.00
800.0	14.40	171.57	795.0	-59.4	8.8	60.0	3.00	3.00	0.00
900.0	17.40	171.57	891.1	-86.4	12.8	87.4	3.00	3.00	0.00
1,000.0	20.40	171.57	985.7	-118.5	17.6	119.8	3.00	3.00	0.00
1,100.0	23.40	171.57	1,078.5	-155.4	23.0	157.1	3.00	3.00	0.00
1,140.9	24.63	171.57	1,115.9	-171.9	25.5	173.7	3.00	3.00	0.00
1,200.0	24.63	171.57	1,169.6	-196.2	29.1	198.3	0.00	0.00	0.00
1,300.0	24.63	171.57	1,260.5	-237.4	35.2	240.0	0.00	0.00	0.00
1,400.0	24.63	171.57	1,351.4	-278.6	41.3	281.7	0.00	0.00	0.00
1,500.0	24.63	171.57	1,442.3	-319.9	47.4	323.4	0.00	0.00	0.00
1,600.0	24.63	171.57	1,533.2	-361.1	53.5	365.0	0.00	0.00	0.00
1,700.0	24.63	171.57	1,624.1	-402.3	59.6	406.7	0.00	0.00	0.00
1,800.0	24.63	171.57	1,715.0	-443.5	65.8	448.4	0.00	0.00	0.00
1,900.0	24.63	171.57	1,805.9	-484.8	71.9	490.0	0.00	0.00	0.00
2,000.0	24.63	171.57	1,896.8	-526.0	78.0	531.7	0.00	0.00	0.00
2,100.0	24.63	171.57	1,987.7	-567.2	84.1	573.4	0.00	0.00	0.00
2,200.0	24.63	171.57	2,078.6	-608.4	90.2	615.0	0.00	0.00	0.00
2,300.0	24.63	171.57	2,169.5	-649.6	96.3	656.7	0.00	0.00	0.00
2,400.0	24.63	171.57	2,260.4	-690.9	102.4	698.4	0.00	0.00	0.00
2,500.0	24.63	171.57	2,351.3	-732.1	108.5	740.1	0.00	0.00	0.00
2,600.0	24.63	171.57	2,442.2	-773.3	114.6	781.7	0.00	0.00	0.00
2,700.0	24.63	171.57	2,533.1	-814.5	120.8	823.4	0.00	0.00	0.00
2,800.0	24.63	171.57	2,624.0	-855.8	126.9	865.1	0.00	0.00	0.00
2,829.7	24.63	171.57	2,651.0	-868.0	128.7	877.4	0.00	0.00	0.00
Ojo Alamo									
2,900.0	24.63	171.57	2,714.9	-897.0	133.0	906.7	0.00	0.00	0.00
2,945.2	24.63	171.57	2,756.0	-915.6	135.7	925.6	0.00	0.00	0.00
Kirtland									
3,000.0	24.63	171.57	2,805.8	-938.2	139.1	948.4	0.00	0.00	0.00
3,006.8	24.63	171.57	2,812.0	-941.0	139.5	951.2	0.00	0.00	0.00
Fruitland									
3,100.0	24.63	171.57	2,896.7	-979.4	145.2	990.1	0.00	0.00	0.00
3,200.0	24.63	171.57	2,987.6	-1,020.6	151.3	1,031.8	0.00	0.00	0.00
3,300.0	24.63	171.57	3,078.6	-1,061.9	157.4	1,073.4	0.00	0.00	0.00
3,400.0	24.63	171.57	3,169.5	-1,103.1	163.5	1,115.1	0.00	0.00	0.00
3,438.1	24.63	171.57	3,204.1	-1,118.8	165.9	1,131.0	0.00	0.00	0.00
3,500.0	22.77	171.57	3,260.8	-1,143.4	169.5	1,155.9	3.00	-3.00	0.00
3,600.0	19.77	171.57	3,353.9	-1,179.3	174.8	1,192.1	3.00	-3.00	0.00
3,687.6	17.14	171.57	3,437.0	-1,206.7	178.9	1,219.8	3.00	-3.00	0.00
Pictured Cliffs									
3,700.0	16.77	171.57	3,448.9	-1,210.3	179.4	1,223.5	3.00	-3.00	0.00
3,800.0	13.77	171.57	3,545.3	-1,236.3	183.3	1,249.8	3.00	-3.00	0.00
3,828.4	12.92	171.57	3,573.0	-1,242.8	184.2	1,256.4	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 30 Wells
Well: SJ 30-5 #95M
Wellbore: Original Hole
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-5 #95M
TVD Reference: RKB @ 6527.0ft (Original Well Elev)
MD Reference: RKB @ 6527.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
Lewis									
3,900.0	10.77	171.57	3,643.1	-1,257.4	186.4	1,271.1	3.00	-3.00	0.00
4,000.0	7.77	171.57	3,741.7	-1,273.3	188.8	1,287.2	3.00	-3.00	0.00
4,100.0	4.77	171.57	3,841.1	-1,284.1	190.4	1,298.1	3.00	-3.00	0.00
4,200.0	1.77	171.57	3,940.9	-1,289.8	191.2	1,303.8	3.00	-3.00	0.00
4,259.1	0.00	0.00	4,000.0	-1,290.7	191.3	1,304.7	3.00	-3.00	-290.50
Intermediate - SJ 30-5 #95M ICP									
4,300.0	0.00	0.00	4,040.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,400.0	0.00	0.00	4,140.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,474.1	0.00	0.00	4,215.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Huerfano Bentonite									
4,500.0	0.00	0.00	4,240.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,340.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,440.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,781.1	0.00	0.00	4,522.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Chacra									
4,800.0	0.00	0.00	4,540.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,640.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,740.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,100.0	0.00	0.00	4,840.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,200.0	0.00	0.00	4,940.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,040.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,140.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,240.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,340.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,641.1	0.00	0.00	5,382.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Mass. Cliffhouse									
5,678.1	0.00	0.00	5,419.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Menefee									
5,700.0	0.00	0.00	5,440.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,540.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
5,898.1	0.00	0.00	5,639.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,640.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,740.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,100.0	0.00	0.00	5,840.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,200.0	0.00	0.00	5,940.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,040.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,331.1	0.00	0.00	6,072.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Mancos									
6,400.0	0.00	0.00	6,140.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,240.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,340.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,440.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,540.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,640.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,740.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,100.0	0.00	0.00	6,840.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,164.1	0.00	0.00	6,905.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Upper Gallup									
7,200.0	0.00	0.00	6,940.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,040.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning	Local Co-ordinate Reference: Well SJ 30-5 #95M
Company: ConocoPhillips SJBU	TVD Reference: RKB @ 6527.0ft (Original Well Elev)
Project: San Juan Basin - New Mexico West Wells	MD Reference: RKB @ 6527.0ft (Original Well Elev)
Site: San Juan 30 Wells	North Reference: True
Well: SJ 30-5 #95M	Survey Calculation Method: Minimum Curvature
Wellbore: Original Hole	
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)
7,400.0	0.00	0.00	7,140.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,240.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,340.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,440.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,540.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,896.1	0.00	0.00	7,637.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Greenhorn									
7,900.0	0.00	0.00	7,640.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
7,945.1	0.00	0.00	7,686.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Graneros									
8,000.0	0.00	0.00	7,740.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
8,071.1	0.00	0.00	7,812.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Paguates									
8,077.1	0.00	0.00	7,818.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Upper Cubero									
8,100.0	0.00	0.00	7,840.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
8,117.1	0.00	0.00	7,858.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Lower Cubero									
8,187.1	0.00	0.00	7,928.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Encinal									
8,200.0	0.00	0.00	7,940.9	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
8,221.1	0.00	0.00	7,962.0	-1,290.7	191.3	1,304.7	0.00	0.00	0.00
Production - SJ 30-5 #95M 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
SJ 30-5 #95M PCP	- plan hits target center - Circle (radius 50.0)	0.00	0.00	7,962.0	-1,290.7	191.3	2,104,581.02	639,769.70	36° 46' 58.428 N 107° 21' 21.780 W
SJ 30-5 #95M ICP	- plan hits target center - Circle (radius 50.0)	0.00	0.00	4,000.0	-1,290.7	191.3	2,104,581.02	639,769.70	36° 46' 58.428 N 107° 21' 21.780 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
8,221.1	7,962.0	Production	4-1/2	6-1/4	
230.0	230.0	Surface	9-5/8	12-1/4	
4,259.1	4,000.0	Intermediate	7	8-3/4	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #95M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6527.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6527.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #95M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,687.6	3,437.0	Pictured Cliffs		0.00		
8,071.1	7,812.0	Paguates		0.00		
8,187.1	7,928.0	Encinal		0.00		
4,781.1	4,522.0	Chacra		0.00		
2,945.2	2,756.0	Kirtland		0.00		
8,117.1	7,858.0	Lower Cubero		0.00		
5,678.1	5,419.0	Menefee		0.00		
8,077.1	7,818.0	Upper Cubero		0.00		
7,164.1	6,905.0	Upper Gallup		0.00		
5,898.1	5,639.0	Point Lookout		0.00		
7,896.1	7,637.0	Greenhorn		0.00		
3,006.8	2,812.0	Fruitland		0.00		
3,828.4	3,573.0	Lewis		0.00		
4,474.1	4,215.0	Huerfano Bentonite		0.00		
5,641.1	5,382.0	Mass. Cliffhouse		0.00		
2,829.7	2,651.0	Ojo Alamo		0.00		
6,331.1	6,072.0	Mancos		0.00		
7,945.1	7,686.0	Graneros		0.00		

REFERENCE INFORMATION

RKB @ 6527.0ft (Original Well Elev)
Ground Elevation 6512.0
Reference Lat: 36° 47' 11.190 N
Reference Long: 107° 21' 24.132 W

Project: San Juan Basin - New Mexico West V
Site: San Juan 30 Wells
Well: SJ 30-5 #95M
Wellbore: Original Hole
Design: Plan #1

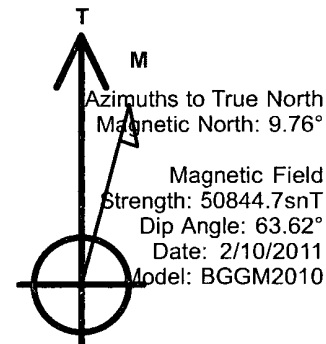


SECTION DETAILS

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1140.9	24.63	171.57	1115.9	-171.9	25.5	3.00	171.57	173.7	
4	3438.1	24.63	171.57	3204.1	-1118.8	165.9	0.00	0.00	1131.0	
5	4259.1	0.00	0.00	4000.0	-1290.7	191.3	3.00	180.00	1304.7	SJ 30-5 #95M ICP
6	8221.1	0.00	0.00	7962.0	-1290.7	191.3	0.00	0.00	1304.7	SJ 30-5 #95M PCP

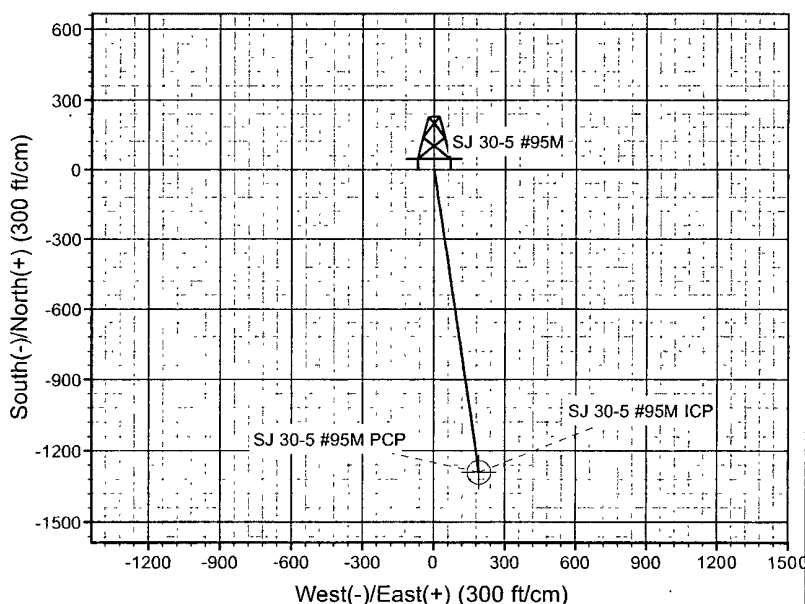
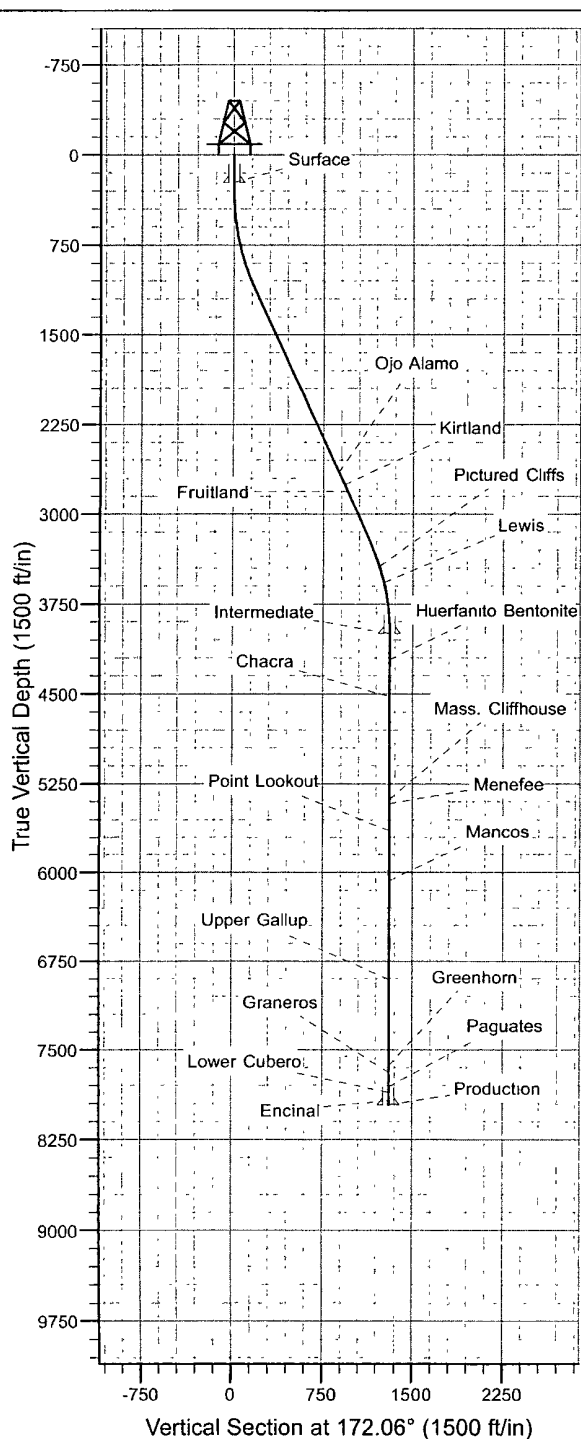
FORMATION TOP DETAILS

TVD	MD	Formation
2651.0	2829.7	Ojo Alamo
2756.0	2945.2	Kirtland
2812.0	3006.8	Fruitland
3437.0	3687.6	Pictured Cliffs
3573.0	3828.4	Lewis
4215.0	4474.1	Huerfano Bentonite
4522.0	4781.1	Chacra
5382.0	5641.1	Mass. Cliffhouse
5419.0	5678.1	Menefee
5639.0	5898.1	Point Lookout
6072.0	6331.1	Mancos
6905.0	7164.1	Upper Gallup
7637.0	7896.1	Greenhorn
7686.0	7945.1	Graneros
7812.0	8071.1	Paguates
7818.0	8077.1	Upper Cubero
7858.0	8117.1	Lower Cubero
7928.0	8187.1	Encinal



CASING DETAILS

TVD	MD	Name	Size
230.0	230.0	Surface	9-5/8
4000.0	4259.1	Intermediate	7
7962.0	8221.1	Production	4-1/2



Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT #95M
1625' FNL & 1040' FEL,
Section 28, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
LAT: 36° 47' 11.2197" N
LONG: 107° 21' 26.3006" 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 6.3 miles,
Across La Jara Bridge to the y-intersection,
Turn right (northeasterly) 0.1 miles,
continue (southeasterly) for 0.8 miles to y-intersection,
turn right (southeasterly) for 0.8 miles,
stay left (southeasterly) for 2.9 miles to y-intersection,
stay right (southerly) for 0.7 miles to Espinosa Ranch,
continue (southerly) 0.4 miles,
turn right (westerly) 0.1 miles to,
to the new well location
twinned with the existing well pad
San Juan 30-5 unit #95.