

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 19 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington, NM

1a. Type of Work
DRILL

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER

5. Lease Number
SF-078738

Unit Reporting Number

1b. Type of Well
GAS

AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

NMNM-78419A-MV NMNM-78419B-DK

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

9. Well Number
92N

RCVD JUL 18 '11
OIL CONS. DIV.
DIST. 3

4. Location of Well

Surface: Unit K(NESW), 1560' FSL & 1810' FWL

BHL: Unit J(NWSE), 1580' FSL & 2110' FEL

Surface: Latitude: 36.780689° N (NAD83)

Longitude: 107.329522° W

BHL: Latitude: 36.780748° N (NAD83)

Longitude: 107.324913° W

10. Field, Pool, Wildcat

Blanco MV / Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)

Sec. 26, T30N, R5W

API # 30-039-31066

14. Distance in Miles from Nearest Town

50.6 miles from Blanco, NM

12. County

Rio Arriba

13. State

NM

15. Distance from Proposed Location to Nearest Property or Lease Line

1560'

16. Acres in Lease

2219.76

17. Acres Assigned to Well

MV - 320.00 acres E/2

DK - 320.00 acres S/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease

278' from SJ 30-5 Unit 92 (DK)

19. Proposed Depth

7926'

20. Rotary or Cable Tools

Rotary

21. Elevations (DF, FT, GR, Etc.)

6575' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program

See Operations Plan attached

24. Authorized by:

Dollie L. Busse (Staff Regulatory Tech)

Date

May 2, 2011

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

for Directional Survey
and "As Drilled" plat

NMOCD

AUG 01 2011

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

Hold C104
for Directional Survey
and "As Drilled" plat

NOI 11-11 JCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

DISTRICT I
1025 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 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

MAY 19 2011

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

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

1220 South St. Francis Dr.
Santa Fe, NM 87505
Farmington Field Office
Bureau of Land Management

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31066		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 31327		*Property Name SAN JUAN 30 - 5' UNIT			*Well Number 92N
*GRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6575'

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	26	30-N	5-W		1560	SOUTH	1810	WEST	RIO ARRIBA

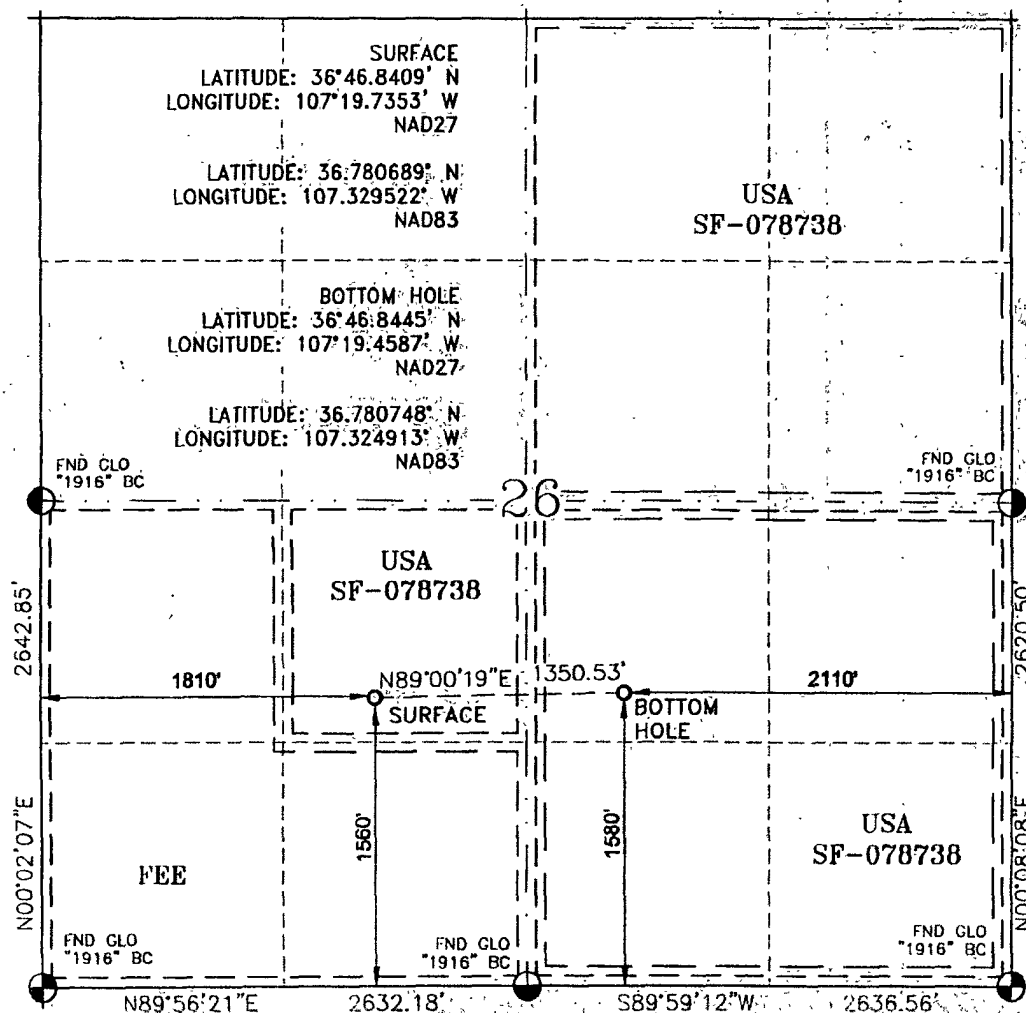
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	26	30-N	5-W		1580	SOUTH	2110	EAST	RIO ARRIBA

12 Dedicated Acres DK 320.00 ACRES S/2 MV 320.00 ACRES 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

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 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 under heretofore entered by the division.

Crystal Tafoya 4/27/09
Signature
Crystal Tafoya 4-27-09
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.

4-27-09
Date of Survey
Signature and Seal of Professional Surveyor
GEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 92N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8233				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		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: 36.780682	Longitude: -107.328921	X:	Y:	Section: 26	Range: 005W		
Footage X: 1810 FWL	Footage Y: 1560 FSL	Elevation: 6575	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27		Directional					
Latitude: 36.780741	Longitude: -107.324312	X:	Y:	Section: 26	Range: 005W		
Footage X: 2110 FEL	Footage Y: 1580 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6590 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6390		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1454	5136		☐			
OJO ALAMO	2638	3952		☐			
KIRTLAND	2837	3753		☐			
FRUITLAND	2874	3716		☐			Possible Gas
PICTURED CLIFFS	3491	3099		☐			
LEWIS	3608	2982		☐			
Intermediate Casing	4200	2390		☐	122	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1008 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4284	2306		☐			
CHACRA	4580	2010		☐			
UPPER CLIFF HOUSE	5265	1325		☐			Gas; Est. Top Perf - 5267 (1323)
MASSIVE CLIFF HOUSE	5443	1147		☐	744		Gas; Cliffhouse is dry
MENEFEE	5486	1104		☐			
POINT LOOKOUT	5694	896		☐			
MANCOS	6090	500		☐			
UPPER GALLUP	6944	-354		☐			
GREENHORN	7682	-1092		☐			
GRANEROS	7732	-1142		☐			
TWO WELLS	7850	-1260		☐	3284		Gas
PAGUATE	7856	-1266		☐			
UPPER CUBERO	7859	-1269		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 92N

DEVELOPMENT

LOWER CUBERO	7896	-1306	☐	Est. Btm Perf - 7911 (- 1321) based on offset wells
Total Depth	7926	-1336	☐	212 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 574 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7968	-1378	☐	TD - 30' below T/CBRL

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 30-5 Unit 101	30N 5W 35 SW NE NE
Production	SJ 30-5 Unit 94P	30N 5W 27
Production	SJ 30-5 Unit 92P	30N 5W 26 SW NW SW
Production	SJ 30-5 Unit 92	30N 5W 26 SW NE SW

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 GLLP to TD - mudlogger will call 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 # 92N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6590 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6590 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 # 92N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 Unit # 92N		
Design:	Plan #1		

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
From:	Lat/Long	Easting:	577,489.48 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 46' 42.851 N
		Longitude:	107° 34' 7.456 W
		Grid Convergence:	0 16 °

Well:	SJ 30-5 # 92N		
Well Position	+N-S	0 0 ft	Northing:
	+E-W	0 0 ft	Easting:
Position Uncertainty	15 0 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 50.454 N
		Longitude:	107° 19' 44.118 W
		Ground Level:	6,575 0 ft

Wellbore:	SJ 30-5 Unit # 92N		
Magnetics:	Model Name	Sample Date	Declination
	BGGM2010	5/3/2011	9.72
			Dip Angle
			63.62
			Field Strength
			50,820

Design:	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0 0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0 0	0 0	0.0
			Direction
			89 07

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	
1,614.3	25.89	89 07	1,570.7	4 7	287.4	2 00	2 00	0 00	89 07	
3,610.0	25.89	89 07	3,366.2	18.8	1,158.6	0 00	0 00	0 00	0 00	
4,472.9	0 00	0 00	4,200.0	21.9	1,350.2	3 00	-3 00	0 00	180 00	7" ICP
8,198.9	0 00	0 00	7,926.0	21.9	1,350.2	0 00	0 00	0.00	0 00	4-1/2" PCP

ConocoPhillips or its affiliates

Planning Report

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Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 # 92N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 Unit #92N		
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
surf. Casing									
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	1 60	89.07	400.0	0 0	1.1	1 1	2.00	2 00	0.00
500.0	3 60	89.07	499 9	0 1	5 7	5 7	2.00	2 00	0.00
600.0	5 60	89 07	599 6	0 2	13.7	13 7	2 00	2.00	0 00
700 0	7 60	89 07	698 9	0 4	25.2	25 2	2 00	2 00	0 00
800 0	9 60	89.07	797 8	0 6	40.1	40 1	2.00	2 00	0.00
900 0	11 60	89 07	896.0	0 9	58 5	58.5	2 00	2.00	0 00
1,000 0	13 60	89 07	993 6	1 3	80.3	80.3	2 00	2.00	0 00
1,100.0	15 60	89 07	1,090 4	1.7	105 5	105 5	2.00	2.00	0 00
1,200 0	17 60	89.07	1,186 2	2.2	134 1	134.1	2 00	2 00	0 00
1,300 0	19.60	89.07	1,281 0	2.7	166 0	166 0	2.00	2 00	0 00
1,400 0	21 60	89 07	1,374 6	3.3	201.1	201.2	2.00	2 00	0.00
1,485.9	23 32	89.07	1,454.0	3 8	234 0	234 0	2 00	2 00	0 00
Naclimiento									
1,500 0	23.60	89 07	1,466.9	3 9	239 6	239.6	2 00	2.00	0 00
1,600 0	25 60	89 07	1,557.8	4.6	281 2	281 2	2 00	2 00	0.00
1,614.3	25 89	89 07	1,570 7	4.7	287.4	287 4	2.00	2.00	0 00
1,700 0	25.89	89.07	1,647.8	5.3	324 8	324 9	0.00	0.00	0.00
1,800 0	25 89	89.07	1,737.8	6 0	368 5	368 5	0 00	0 00	0.00
1,900 0	25.89	89 07	1,827 8	6.7	412.1	412 2	0 00	0 00	0.00
2,000 0	25 89	89.07	1,917 7	7.4	455.8	455.8	0 00	0 00	0.00
2,100 0	25 89	89.07	2,007.7	8.1	499.4	499 5	0 00	0 00	0.00
2,200 0	25.89	89 07	2,097 7	8.8	543.1	543.1	0.00	0.00	0 00
2,300.0	25 89	89 07	2,187 6	9 5	586.7	586 8	0.00	0.00	0.00
2,400.0	25 89	89.07	2,277 6	10 2	630.4	630 5	0 00	0 00	0.00
2,500.0	25 89	89 07	2,367 6	10.9	674 0	674 1	0 00	0.00	0 00
2,600.0	25 89	89 07	2,457.5	11.6	717.7	717 8	0.00	0.00	0.00
2,700 0	25 89	89 07	2,547.5	12 3	761.3	761 4	0 00	0.00	0.00
2,800 0	25.89	89.07	2,637.5	13.0	805.0	805.1	0.00	0 00	0.00
2,800.6	25.89	89 07	2,638 0	13.0	805.2	805.3	0.00	0.00	0 00
Ojo Alamo									
2,900.0	25 89	89 07	2,727.4	13 8	848 6	848.7	0 00	0.00	0.00
3,000.0	25 89	89.07	2,817.4	14.5	892.3	892 4	0.00	0 00	0.00
3,021.8	25.89	89 07	2,837 0	14.6	901.8	901 9	0 00	0 00	0 00
Kirtland									
3,062 9	25.89	89 07	2,874 0	14.9	919 7	919 9	0 00	0 00	0 00
Fruitland									
3,100.0	25 89	89.07	2,907 4	15.2	935 9	936 1	0 00	0 00	0 00
3,200.0	25.89	89 07	2,997 3	15.9	979.6	979.7	0 00	0 00	0 00
3,300.0	25.89	89.07	3,087.3	16 6	1,023 2	1,023.4	0 00	0.00	0 00
3,400 0	25.89	89 07	3,177.3	17.3	1,066 9	1,067 0	0 00	0 00	0 00
3,500.0	25 89	89.07	3,267 2	18 0	1,110.5	1,110 7	0 00	0.00	0 00
3,600 0	25 89	89 07	3,357 2	18.7	1,154.2	1,154 3	0 00	0 00	0.00
3,610.0	25 89	89 07	3,366 2	18 8	1,158.6	1,158.7	0 00	0.00	0.00
3,700 0	23 19	89.07	3,448 1	19 4	1,195 9	1,196 1	3 00	-3.00	0.00
3,746 5	21.79	89 07	3,491.0	19 7	1,213 7	1,213 9	3 00	-3 00	0.00
Pictured Cliffs									
3,800 0	20.19	89 07	3,541 0	20.0	1,232 9	1,233 0	3 00	-3.00	0 00

ConocoPhillips or its affiliates

Planning Report

Databas:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 # 92N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6590.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6590.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 # 92N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	SJ 30-5 Unit # 92N 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)
3,871.0	18.06	89.07	3,608.0	20.4	1,256.1	1,256.3	3.00	-3.00	0.00
Lewis									
3,900.0	17.19	89.07	3,635.7	20.5	1,264.9	1,265.1	3.00	-3.00	0.00
4,000.0	14.19	89.07	3,731.9	20.9	1,291.9	1,292.1	3.00	-3.00	0.00
4,100.0	11.19	89.07	3,829.5	21.3	1,313.9	1,314.1	3.00	-3.00	0.00
4,200.0	8.19	89.07	3,928.1	21.6	1,330.7	1,330.9	3.00	-3.00	0.00
4,300.0	5.19	89.07	4,027.4	21.8	1,342.3	1,342.5	3.00	-3.00	0.00
4,400.0	2.19	89.07	4,127.1	21.9	1,348.8	1,348.9	3.00	-3.00	0.00
4,472.9	0.00	0.00	4,200.0	21.9	1,350.2	1,350.3	3.00	-3.00	0.00
Int. Casing - 7" ICP									
4,500.0	0.00	0.00	4,227.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
4,556.9	0.00	0.00	4,284.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Huerfano Bentonite									
4,600.0	0.00	0.00	4,327.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,427.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,527.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
4,852.9	0.00	0.00	4,580.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Chacra									
4,900.0	0.00	0.00	4,627.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,727.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,827.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,200.0	0.00	0.00	4,927.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,027.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,127.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,227.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,537.9	0.00	0.00	5,265.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Upper Cliff House									
5,600.0	0.00	0.00	5,327.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,427.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,715.9	0.00	0.00	5,443.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Massive Cliffhouse									
5,758.9	0.00	0.00	5,486.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Menefee									
5,800.0	0.00	0.00	5,527.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,627.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
5,966.9	0.00	0.00	5,694.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Point Lookout									
6,000.0	0.00	0.00	5,727.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,827.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,927.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,027.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,362.9	0.00	0.00	6,090.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Mancos									
6,400.0	0.00	0.00	6,127.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,227.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,327.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,427.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,527.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,627.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,727.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,827.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,927.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00

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Planning Report

Database:	EDM:Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 # 92N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6590.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6590.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 # 92N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 Unit # 92N		
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)
7,216.9	0.00	0.00	6,944.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Gallup									
7,300.0	0.00	0.00	7,027.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,127.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,227.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,327.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,427.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,527.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,627.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
7,954.9	0.00	0.00	7,682.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Greenhorn									
8,000.0	0.00	0.00	7,727.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
8,004.9	0.00	0.00	7,732.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Graneros									
8,100.0	0.00	0.00	7,827.1	21.9	1,350.2	1,350.3	0.00	0.00	0.00
8,122.9	0.00	0.00	7,850.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Two Wells									
8,128.9	0.00	0.00	7,856.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Paguato									
8,131.9	0.00	0.00	7,859.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Upper Cubero									
8,168.9	0.00	0.00	7,896.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Lower Cubero									
8,198.9	0.00	0.00	7,926.0	21.9	1,350.2	1,350.3	0.00	0.00	0.00
Prod Casing - 4-1/2" PCP									

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
7" ICP	- plan hits target center - Point	0.00	0.00	4,200.0	21.9	1,350.2	2,103,844.40	649,068.33	36° 46' 50.670 N	107° 19' 27.522 W
4-1/2" PCP	- plan hits target center - Point	0.00	0.00	7,926.0	21.9	1,350.2	2,103,844.40	649,068.33	36° 46' 50.670 N	107° 19' 27.522 W

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,472.9	4,200.0	Int Casing	7	8-3/4
8,198.9	7,926.0	Prod Casing	4-1/2	6-1/4
200.0	200.0	surf Casing	9-5/8	12-1/4

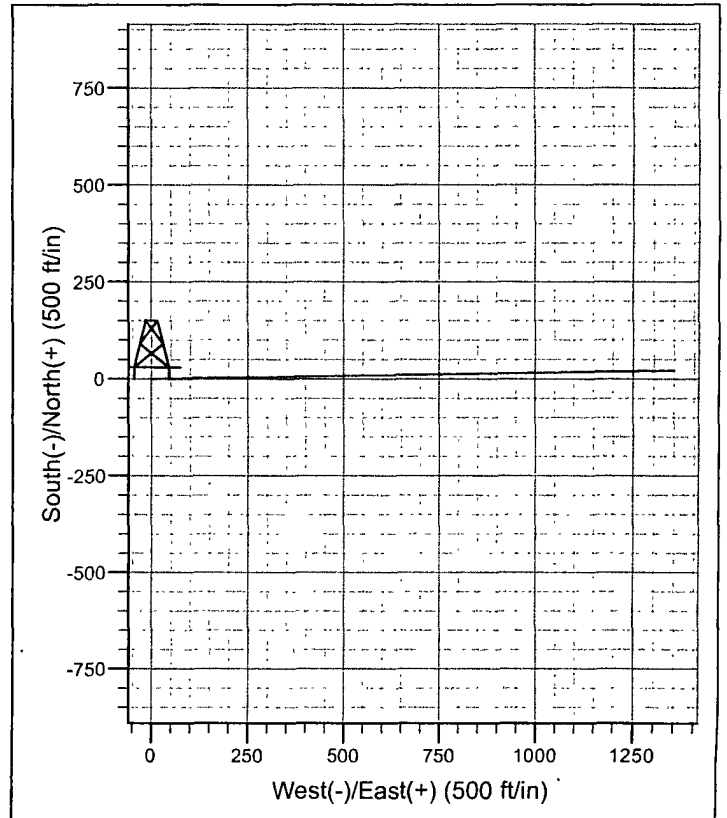
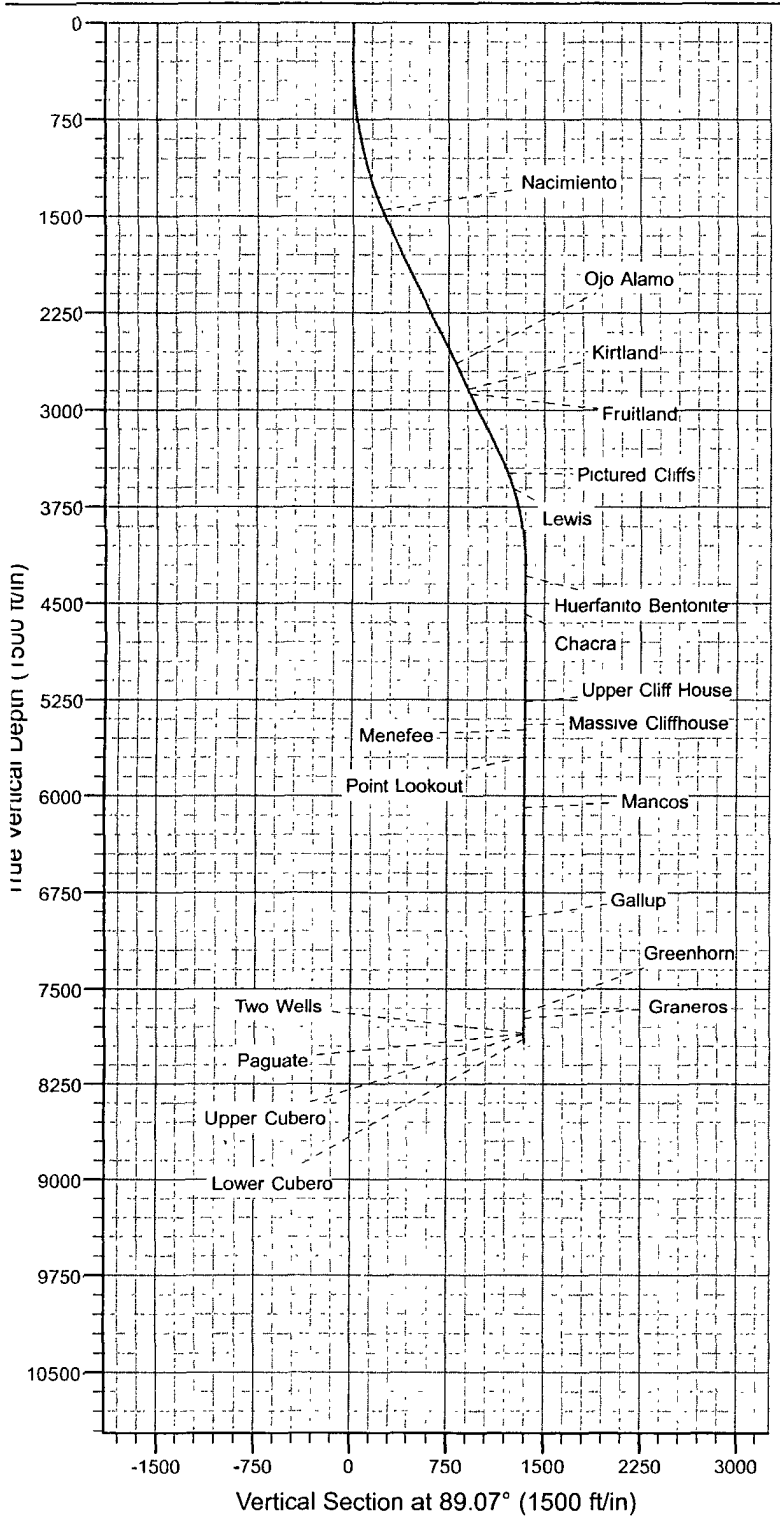
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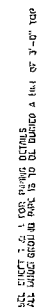
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well: SJ 30-5 # 92N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6590.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6590.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 # 92N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 Unit # 92N		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,954.9	7,682.0	Greenhorn		0.00		
3,062.9	2,874.0	Fruitland		0.00		
3,021.8	2,837.0	Kirtland		0.00		
5,758.9	5,486.0	Menefee		0.00		
8,122.9	7,850.0	Two Wells		0.00		
5,715.9	5,443.0	Massive Cliffhouse		0.00		
8,131.9	7,859.0	Upper Cubero		0.00		
3,746.5	3,491.0	Pictured Cliffs		0.00		
6,362.9	6,090.0	Mancos		0.00		
7,216.9	6,944.0	Gallup		0.00		
1,485.9	1,454.0	Nacimiento		0.00		
5,966.9	5,694.0	Point Lookout		0.00		
8,004.9	7,732.0	Graneros		0.00		
8,168.9	7,896.0	Lower Cubero		0.00		
4,852.9	4,580.0	Chacra		0.00		
5,537.9	5,265.0	Upper Cliff House		0.00		
2,800.6	2,638.0	Ojo Alamo		0.00		
4,556.9	4,284.0	Huerfano Bentonite		0.00		
8,128.9	7,856.0	Paguate		0.00		
3,871.0	3,608.0	Lewis		0.00		

SJ 30-5 #92N





SHEET 1 OF 5

[illegible]

Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 92N
1560' FSL & 1810' FWL,
Section 26, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 46' 50.482" N
Longitude: 107° 19' 46.279" W
Nad 1983

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 6.6 miles,
Across La Jara Bridge to the y-intersection,
Turn right (northeasterly) 0.1 miles,
continue (southeasterly) for 0.8 miles to y-intersection,
stay right (southerly) for 0.8 miles to y-intersection,
stay left (southeasterly) for 2.9 miles to y-intersection,
stay right (southeasterly) 0.7 miles,
continue (southeasterly) past Espinosa Ranch 1.9 miles,
to beginning of new access on left side of road,
proceed (easterly) 178.49' to the newly staked location.