

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 20 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078738 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name DE-NMNM78419B MV-NMNM78419A San Juan 30-5 Unit MNCS-NOPA
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Surface: Unit G(SWNE), 2085' FNL & 1565' FEL BHL : Unit I(NESE), 2080' FSL & 920' FEL Surface: Latitude: 36.785136° N (NAD83) Longitude: 107.323046° W BHL : Latitude: 36.782117° N (NAD83) Longitude: 107.320844° W	9. Well Number 92M
10. Field, Pool, Wildcat Blanco MV/Basin DK/Basin MC	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T30N, R5W
12. County Rio Arriba	13. State NM
14. Distance in Miles from Nearest Town 51 miles from Blanco	15. Distance from Proposed Location to Nearest Property or Lease Line 920
16. Acres in Lease 2219.760	17. Acres Assigned to Well DK 320.00 ACRES S/2 MV/MC 320.00 ACRES E/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1452' from SJ 30-5 Unit #93/DK	19. Proposed Depth 8296
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6945' GL
22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: Arleen Kellywood (Staff Regulatory Tech)	25. Date 12/20/11

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

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

ca FEB 17 2012

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Hold C104

for Directional Survey
and "As Drilled" plat

Hold C104

for Directional Survey
and "As Drilled" plat

RCVD JUN 11 '12

OIL CONS. DIV.

Form C-102
Revised October 12, 2005DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240State of New Mexico
Energy, Minerals & Natural Resources DepartmentDISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 CopiesDISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31102	² Pool Code 71599/72319/97232	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE /MANCOS	BASIN
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30 - 5 UNIT	⁶ Well Number 92M	
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6945'	

¹⁰ Surface Location

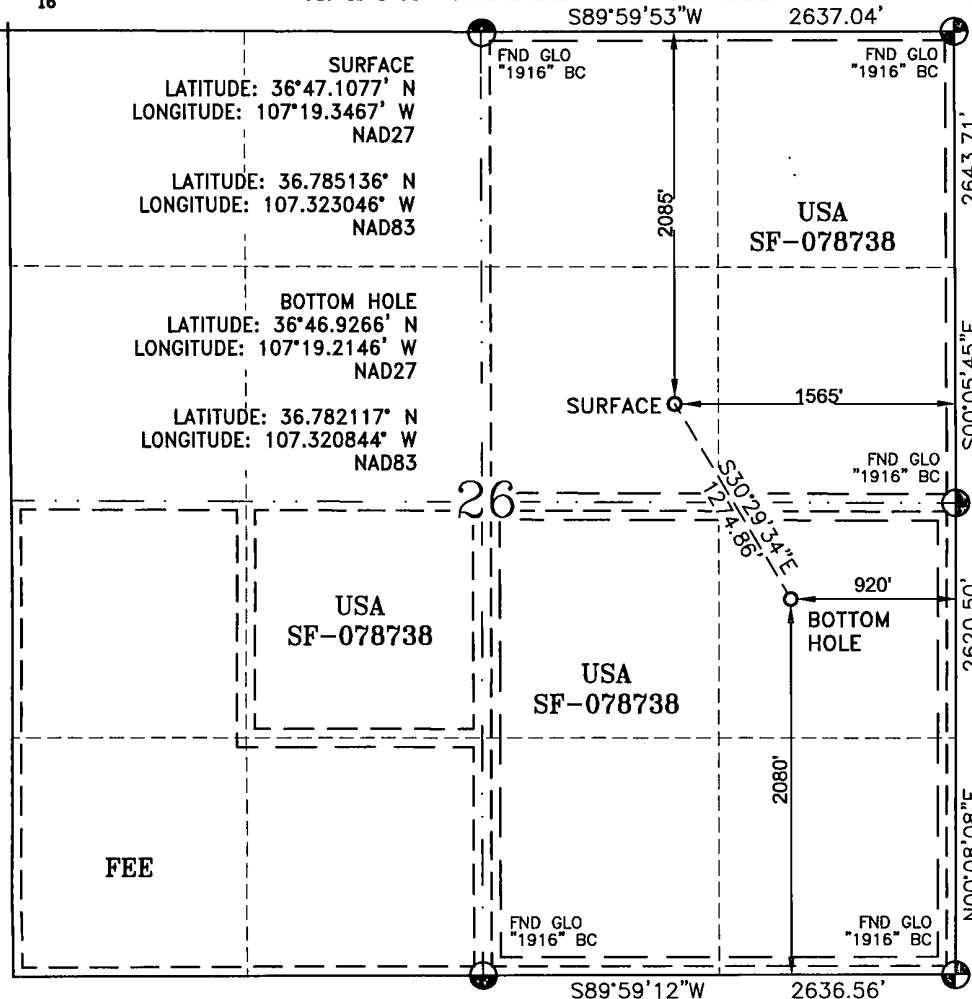
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	26	30-N	5-W		2085	NORTH	1565	EAST	RIO ARRIBA

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	26	30-N	5-W		2080	SOUTH	920	EAST	RIO ARRIBA

¹² Dedicated AcresDK 320.00 ACRES S/2-MN
MV 320.00 ACRES E/2¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ 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 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen Kellywood 6/8/12
Signature

Arleen Kellywood
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.

AUGUST 26, 2010
Date of Survey

Signature and Seal of Surveyor



GLEN W. RUSSELL
Certificate Number

15703



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 92M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8232		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
RCO085	MANCOS(RCO085)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.785129	Longitude: -107.322445	X:	Y:	Section: 26	Range: 005W
Footage X: 1565 FEL	Footage Y: 2085 FNL	Elevation: 6945	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.782110	Longitude: -107.320243	X:	Y:	Section: 26	Range: 005W
Footage X: 920 FEL	Footage Y: 2080 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6960 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)
Surface Casing	230	6730		☐	12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1840	5120		☐	
OJO ALAMO	3025	3935		☐	
KIRTLAND	3223	3737		☐	
FRUITLAND	3256	3704		☐	Possible Gas
PICTURED CLIFFS	3858	3102		☐	
LEWIS	3982	2978		☐	
Intermediate Casing	4132	2828	4382	☐	123 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 976 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4654	2306		☐	
CHACRA	4951	2009		☐	
UPPER CLIFF HOUSE	5536	1424		☐	Gas; Est. Top Perf - 5538 (1422)
MASSIVE CLIFF HOUSE	5812	1148		☐	766 Gas; Cliffhouse is dry
MENEFEE	5851	1109		☐	
POINT LOOKOUT	6063	897		☐	
MANCOS	6462	498		☐	
UPPER GALLUP	7317	-357		☐	
GREENHORN	8052	-1092		☐	
GRANEROS	8102	-1142		☐	
TWO WELLS	8217	-1257		☐	3328 Gas
PAGUATE	8224	-1264		☐	
UPPER CUBERO	8229	-1269		☐	

Printed on: 12/20/2011 8:19:44 AM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 92M

DEVELOPMENT

LOWER CUBERO	8266	-1306			TD - 30' below T/CBRL; Est. Btm Perf - 8281 (- 1321) based on offset wells
Total Depth	8296	-1336	8546		210 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 534 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	8336	-1376			

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-5 Unit 82	30N 5W 25 SE NW NW
Production	SJ 30-5 Unit 93	30N 5W 26 SW NE NE
Production	SJ 30-5 Unit 92	30N 5W 26 SW NE SW
Production	SJ 30-5 Unit 91	30N 5W 25 SE NW 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

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Coordinate Reference:	Well SJ 30-5 #92M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6960.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6960.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #92M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #92M		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site:	San Juan 30 Wells, Township 30		
Site Position:		Northing:	2,105,283.49 ft
From:	Lat/Long	Easting:	113,791.42 ft
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"
		Latitude:	36° 46' 42.851 N
		Longitude:	107° 34' 7.456 W
		Grid Convergence:	-0.79 °

Well:	SJ 30-5 #92M		
Well Position	+N-S	0.0 ft	Northing:
	+E-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Ground Level:	6,945.0 ft
		Latitude:	36° 47' 6.462 N
		Longitude:	107° 19' 20.802 W

Wellbore:	SJ 30-5 #92M		
-----------	--------------	--	--

Magnetics:	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/19/2011	9.63	63.61	50,750

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	149.60

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)	TEO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,605.5	25.11	149.60	1,565.7	-233.5	137.0	2.00	2.00	0.00	149.60	
3,544.6	25.11	149.60	3,321.5	-943.2	553.5	0.00	0.00	0.00	0.00	
4,381.6	0.00	0.00	4,132.0	-1,098.9	644.8	3.00	-3.00	0.00	180.00	SJ 30-5 #92M ICP
8,545.6	0.00	0.00	8,296.0	-1,098.9	644.8	0.00	0.00	0.00	0.00	SJ 30-5 #92M PCP

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Coordinate Reference:	Well SJ30-5 #92M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6960.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6960.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #92M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #92M		
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
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
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.00	149.60	400.0	-0.4	0.2	0.4	2.00	2.00	0.00
500.0	3.00	149.60	499.9	-3.4	2.0	3.9	2.00	2.00	0.00
600.0	5.00	149.60	599.7	-9.4	5.5	10.9	2.00	2.00	0.00
700.0	7.00	149.60	699.1	-18.4	10.8	21.4	2.00	2.00	0.00
800.0	9.00	149.60	798.2	-30.4	17.8	35.3	2.00	2.00	0.00
900.0	11.00	149.60	896.6	-45.4	26.6	52.6	2.00	2.00	0.00
1,000.0	13.00	149.60	994.4	-63.3	37.2	73.4	2.00	2.00	0.00
1,100.0	15.00	149.60	1,091.5	-84.2	49.4	97.6	2.00	2.00	0.00
1,200.0	17.00	149.60	1,187.6	-108.0	63.4	125.2	2.00	2.00	0.00
1,300.0	19.00	149.60	1,282.7	-134.6	79.0	156.1	2.00	2.00	0.00
1,400.0	21.00	149.60	1,376.6	-164.1	96.3	190.3	2.00	2.00	0.00
1,500.0	23.00	149.60	1,469.4	-196.4	115.3	227.7	2.00	2.00	0.00
1,600.0	25.00	149.60	1,560.7	-231.5	135.8	268.4	2.00	2.00	0.00
1,605.5	25.11	149.60	1,565.7	-233.5	137.0	270.7	2.00	2.00	0.00
1,700.0	25.11	149.60	1,651.3	-268.1	157.3	310.8	0.00	0.00	0.00
1,800.0	25.11	149.60	1,741.8	-304.7	178.8	353.3	0.00	0.00	0.00
1,900.0	25.11	149.60	1,832.4	-341.3	200.3	395.7	0.00	0.00	0.00
1,908.4	25.11	149.60	1,840.0	-344.4	202.1	399.3	0.00	0.00	0.00
Nacimiento									
2,000.0	25.11	149.60	1,922.9	-377.9	221.7	438.1	0.00	0.00	0.00
2,100.0	25.11	149.60	2,013.5	-414.5	243.2	480.6	0.00	0.00	0.00
2,200.0	25.11	149.60	2,104.0	-451.1	264.7	523.0	0.00	0.00	0.00
2,300.0	25.11	149.60	2,194.6	-487.7	286.2	565.5	0.00	0.00	0.00
2,400.0	25.11	149.60	2,285.1	-524.3	307.6	607.9	0.00	0.00	0.00
2,500.0	25.11	149.60	2,375.7	-560.9	329.1	650.3	0.00	0.00	0.00
2,600.0	25.11	149.60	2,466.2	-597.5	350.6	692.8	0.00	0.00	0.00
2,700.0	25.11	149.60	2,556.8	-634.1	372.1	735.2	0.00	0.00	0.00
2,800.0	25.11	149.60	2,647.3	-670.7	393.5	777.6	0.00	0.00	0.00
2,900.0	25.11	149.60	2,737.9	-707.3	415.0	820.1	0.00	0.00	0.00
3,000.0	25.11	149.60	2,828.4	-743.9	436.5	862.5	0.00	0.00	0.00
3,100.0	25.11	149.60	2,919.0	-780.5	458.0	904.9	0.00	0.00	0.00
3,200.0	25.11	149.60	3,009.5	-817.1	479.5	947.4	0.00	0.00	0.00
3,217.1	25.11	149.60	3,025.0	-823.4	483.1	954.6	0.00	0.00	0.00
Ojo Alamo									
3,300.0	25.11	149.60	3,100.1	-853.7	500.9	989.8	0.00	0.00	0.00
3,400.0	25.11	149.60	3,190.6	-890.3	522.4	1,032.3	0.00	0.00	0.00
3,435.8	25.11	149.60	3,223.0	-903.4	530.1	1,047.4	0.00	0.00	0.00
Kirtland									
3,472.2	25.11	149.60	3,256.0	-916.7	537.9	1,062.9	0.00	0.00	0.00
Fruitland									
3,500.0	25.11	149.60	3,281.2	-926.9	543.9	1,074.7	0.00	0.00	0.00
3,544.6	25.11	149.60	3,321.5	-943.2	553.5	1,093.6	0.00	0.00	0.00
3,600.0	23.45	149.60	3,372.0	-962.9	565.0	1,116.4	3.00	-3.00	0.00
3,700.0	20.45	149.60	3,464.8	-995.1	583.9	1,153.8	3.00	-3.00	0.00
3,800.0	17.45	149.60	3,559.3	-1,023.1	600.3	1,186.2	3.00	-3.00	0.00
3,900.0	14.45	149.60	3,655.5	-1,046.8	614.2	1,213.7	3.00	-3.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #92M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6960.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6960.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #92M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #92M		
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)
4,000.0	11.45	149.60	3,752.9	-1,066.1	625.6	1,236.1	3.00	-3.00	0.00
4,100.0	8.45	149.60	3,851.4	-1,081.0	634.3	1,253.4	3.00	-3.00	0.00
4,106.7	8.25	149.60	3,858.0	-1,081.9	634.8	1,254.4	3.00	-3.00	0.00
Pictured Cliffs									
4,200.0	5.45	149.60	3,950.7	-1,091.5	640.4	1,265.5	3.00	-3.00	0.00
4,231.4	4.50	149.60	3,982.0	-1,093.8	641.8	1,268.2	3.00	-3.00	0.00
Lewis									
4,300.0	2.45	149.60	4,050.4	-1,097.4	643.9	1,272.4	3.00	-3.00	0.00
4,381.6	0.00	0.00	4,132.0	-1,098.9	644.8	1,274.1	3.00	-3.00	-183.33
Intermediate - SJ 30-5 #92M ICP									
4,400.0	0.00	0.00	4,150.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,250.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,350.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,450.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,550.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,650.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
4,903.6	0.00	0.00	4,654.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Huerfano Bentonite									
5,000.0	0.00	0.00	4,750.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,100.0	0.00	0.00	4,850.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,200.0	0.00	0.00	4,950.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,200.6	0.00	0.00	4,951.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Chacra									
5,300.0	0.00	0.00	5,050.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,150.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,250.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,350.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,450.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,785.6	0.00	0.00	5,536.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Upper Cliff House									
5,800.0	0.00	0.00	5,550.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,650.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,750.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,061.6	0.00	0.00	5,812.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Massive Cliff House									
6,100.0	0.00	0.00	5,850.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,100.6	0.00	0.00	5,851.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Menefee									
6,200.0	0.00	0.00	5,950.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,050.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,312.6	0.00	0.00	6,063.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Pt. Lookout									
6,400.0	0.00	0.00	6,150.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,250.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,350.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,450.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,711.6	0.00	0.00	6,462.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Mancos Shale									
6,800.0	0.00	0.00	6,550.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,650.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,750.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,850.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #92M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6960.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6960.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #92M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #92M		
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)
7,200.0	0.00	0.00	6,950.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,050.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,150.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,250.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,566.6	0.00	0.00	7,317.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Gallup									
7,600.0	0.00	0.00	7,350.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,450.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,550.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,650.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,750.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,850.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,200.0	0.00	0.00	7,950.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,050.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,301.6	0.00	0.00	8,052.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Greenhorn									
8,351.6	0.00	0.00	8,102.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Graneros									
8,400.0	0.00	0.00	8,150.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,466.6	0.00	0.00	8,217.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Two Wells									
8,473.6	0.00	0.00	8,224.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Pauguate									
8,478.6	0.00	0.00	8,229.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Upper Cubero									
8,500.0	0.00	0.00	8,250.4	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
8,515.6	0.00	0.00	8,266.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Lower Cubero									
8,545.6	0.00	0.00	8,296.0	-1,098.9	644.8	1,274.1	0.00	0.00	0.00
Production - SJ 30-5 #92M PCP									

Targets									
Target Name	Shape	Dip Angle (°)	Dip Dir (°)	TVD (ft)	N/S (ft)	E/W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
SJ 30-5 #92M ICP	- plan hits target center	0.00	0.00	4,132.0	-1,098.9	644.8	2,105,663.83	186,583.19	36° 46' 55.596 N 107° 19' 12.876 W
- Point									
SJ 30-5 #92M PCP	- plan hits target center	0.00	0.00	8,296.0	-1,098.9	644.8	2,105,663.83	186,583.19	36° 46' 55.596 N 107° 19' 12.876 W
- Point									

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #92M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6960.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 6960.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #92M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #92M		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surface	9-5/8	12-1/4	
4,381.6	4,132.0	Intermediate	7	8-3/4	
8,545.6	8,296.0	Production	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
8,301.6	8,052.0	Greenhorn				
5,785.6	5,536.0	Upper Cliff House				
8,466.6	8,217.0	Two Wells				
8,515.6	8,266.0	Lower Cubero				
1,908.4	1,840.0	Nacimiento				
6,312.6	6,063.0	Pt. Lookout				
8,478.6	8,229.0	Upper Cubero				
8,473.6	8,224.0	Pauguate				
6,061.6	5,812.0	Massive Cliff House				
4,903.6	4,654.0	Huerfano Bentonite				
3,217.1	3,025.0	Ojo Alamo				
4,106.7	3,858.0	Pictured Cliffs				
4,231.4	3,982.0	Lewis				
8,351.6	8,102.0	Graneros				
3,472.2	3,256.0	Fruitland				
6,100.6	5,851.0	Menefee				
5,200.6	4,951.0	Chacra				
6,711.6	6,462.0	Mancos Shale				
3,435.8	3,223.0	Kirtland				
7,566.6	7,317.0	Gallup				

REFERENCE INFORMATION

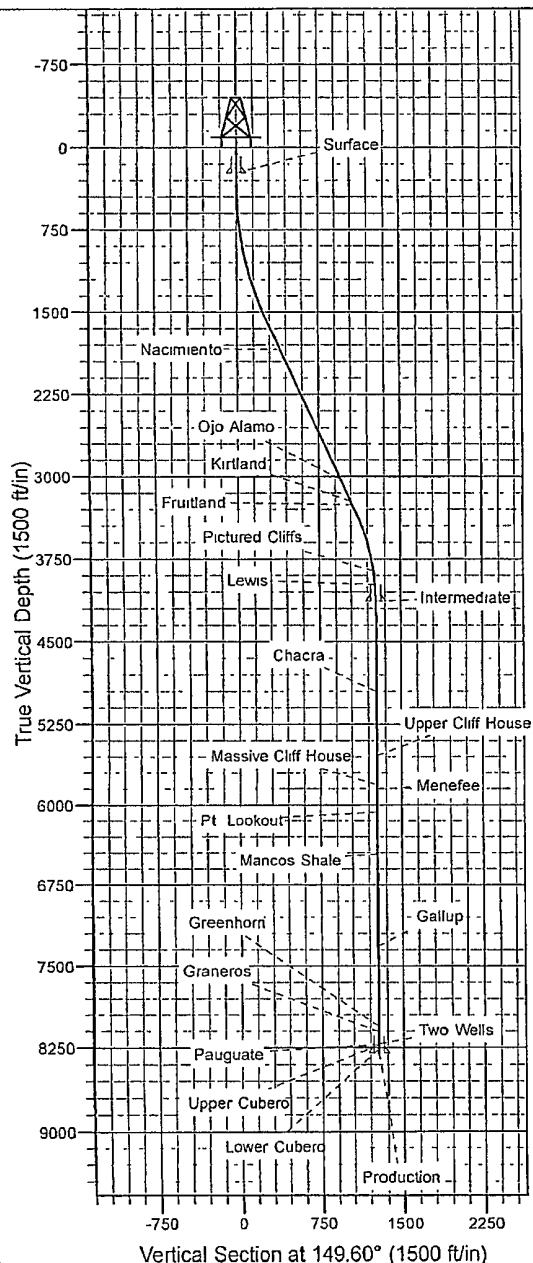
WELL @ 6960.0ft (Original Well Elev)
Ground Elevation 6945.0
Reference Lat: 36° 47' 6.462 N
Reference Long: 107° 19' 20.802 W

Project: San Juan Basin - New Mexico Central V
Site: San Juan 30 Wells
Well: SJ 30-5 #92M
Wellbore: SJ 30-5 #92M
Design: Plan #1



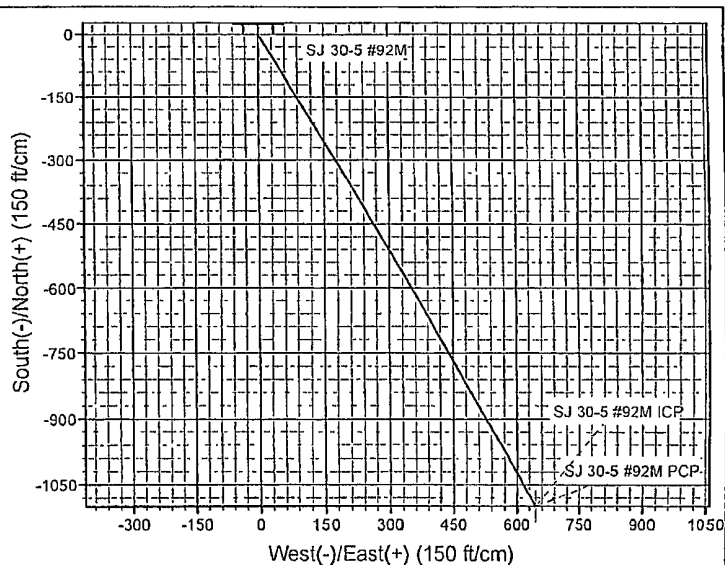
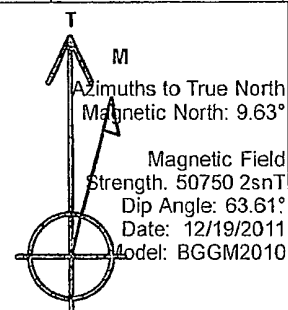
SECTION DETAILS

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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1605.5	25.11	149.60	1565.7	-233.5	137.0	2.00	149.60	270.7	
4	3544.6	25.11	149.60	3321.5	-943.2	553.5	0.00	0.00	1093.6	
5	4381.6	0.00	0.00	4132.0	-1098.9	644.8	3.00	180.00	1274.1	SJ 30-5 #92M ICP
6	8545.6	0.00	0.00	8296.0	-1098.9	644.8	0.00	0.00	1274.1	SJ 30-5 #92M PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1840.0	1908.4	Nacimiento
3025.0	3217.1	Ojo Alamo
3223.0	3435.8	Kirtland
3256.0	3472.2	Fruitland
3858.0	4106.7	Pictured Cliffs
3982.0	4231.4	Lewis
4654.0	4903.6	Huerfano Bentonite
4951.0	5200.6	Chacra
5536.0	5785.6	Upper Cliff House
5812.0	6061.6	Massive Cliff House
5851.0	6100.6	Menefee
6063.0	6312.6	Pt. Lookout
6462.0	6711.6	Mancos Shale
7317.0	7566.6	Gallup
8052.0	8301.6	Greenhorn
8102.0	8351.6	Graneros
8217.0	8466.6	Two Wells
8224.0	8473.6	Pauguate
8229.0	8478.6	Upper Cubero
8266.0	8515.6	Lower Cubero



Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT #92M
2085' FNL & 1565' FEL,
Section 26, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 47' 06.490" N
Longitude: 107° 19' 22.967" 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 6.3 miles,
Across La Jara Bridge to the y-intersection,
Turn right (northeasterly) 0.1 miles,
continue (southeasterly) for 0.8 miles to y-intersec,
turn right (southeasterly) for 0.8 miles to y intersec
stay left (southeasterly) for 2.9 miles to y-intersec,
stay left (east) 0.1 miles,
turn left (northeasterly) 0.4 miles,
continue (east) 1.0 miles,
continue (southerly) 2.0 miles,
continue (easterly) 0.3 miles,
to newly staked location on the left (north) side of road.