

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 19 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Farmington Field Unit
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-079519 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 92P RCVD SEP 6 '12 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit N (SESW), 770' FSL & 2110' FWL BHL : Unit C (NENW), 545' FNL & 1635' FWL Surface: Latitude: 36.65606° N (NAD83) Longitude: 107.31241° BHL : Latitude: 36.65245° N (NAD83) Longitude: 107.31402°	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 13, T28N, R5W BHL : Sec. 24, T28N, R5W API# 30-039-31122
14. Distance in Miles from Nearest Town 10 miles from Gobernador	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 545'	
16. Acres in Lease 171.890	17. Acres Assigned to Well MV - 343.91 acres N/2 DK - 320.00 acres W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 745' from SJ 28-5 101 / DK	
19. Proposed Depth 8860'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7485' GL This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	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: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	6-19-12 Date

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

SEP 18 2012 NMOCDA

Hold C104

for Directional Survey
and "As Drilled" plat

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

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

JUN 19 2012

Farmington Field Office AMENDED REPORT
Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 31122	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7460	⁵ Property Name SAN JUAN 28-5 UNIT	⁶ Well Number 92P
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7485'

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
N	13	28N	5W		770	SOUTH	2110	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
C	24	28N	5W		545	NORTH	1635	WEST	RIO ARriba

¹² Dedicated Acres 343.91 Acres - N/2 (MV) 320.00 Acres - W/2 (DK)	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

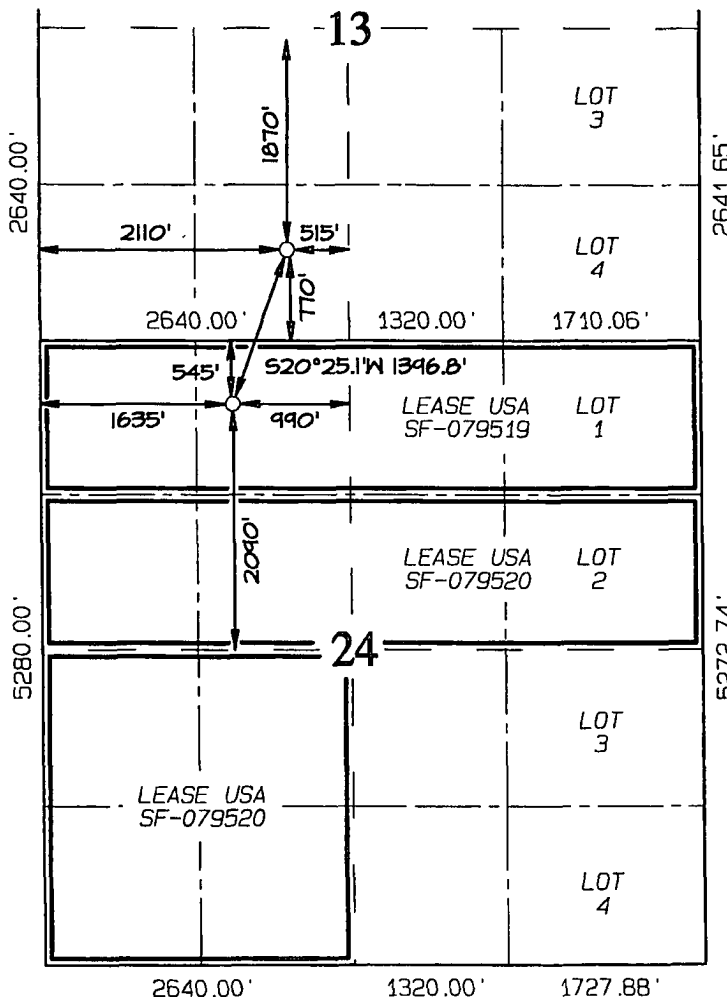
SURFACE LOCATION
LAT: 36°39.3632' N
LONG: 107°18.7085' W
DATUM: NAD1927

LAT: 36.65606° N
LONG: 107.31241° W
DATUM: NAD1983

BOTTOM-HOLE
LAT: 36°39.1465' N
LONG: 107°18.8052' W
DATUM: NAD1927

LAT: 36.65245° N
LONG: 107.31402° W
DATUM: NAD1983

GRID NORTH
0°38'03"
TRUE NORTH
0°43'
MAGNETIC NORTH



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 R. Kellywood 5/3/2011
Signature Date
Arleen R. 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.
Survey Date: OCTOBER 13, 2010
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 92P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8499				AFE \$:	
Field Name: SAN JUAN 28-5 UNIT		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)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.656051	Longitude: -107.311809	X:	Y:	Section: 13		Range: 005W	
Footage X: 2110 FWL	Footage Y: 770 FSL	Elevation: 7485	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.652441	Longitude: -107.313419	X:	Y:	Section: 24		Range: 005W	
Footage X: 1635 FWL	Footage Y: 545 FNL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7500 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	7300	200	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 125 cuft. Circulate cement to surface.
NACIMIENTO	2536	4964		☐			
OJO ALAMO	3808	3692		☐			
KIRTLAND	3936	3564		☐			
FRUITLAND	4028	3472		☐			Possible Gas
PICTURED CLIFFS	4426	3074		☐			
LEWIS	4550	2950		☐			
Intermediate Casing	4703	2797	4954	☐	121		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1105 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	5191	2309		☐			
CHACRA	5435	2065		☐			Est. Top Perf - 5437 (2063)
UPPER CLIFF HOUSE	6020	1480		☐			Gas
MASSIVE CLIFF HOUSE	6221	1279		☐	800		Gas; Cliffhouse is dry
MENEFEE	6299	1201		☐			
POINT LOOKOUT	6618	882		☐			
MANCOS	7157	343		☐			
UPPER GALLUP	7838	-338		☐			
GREENHORN	8597	-1097		☐			
GRANEROS	8656	-1156		☐			
TWO WELLS	8715	-1215		☐	2657		Gas
PAGUATE	8762	-1262		☐			
UPPER CUBERO	8778	-1278		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 92P

DEVELOPMENT

LOWER CUBERO	8830	-1330	☐		TD - 30' Below T/CBRL; Est. Btm Perf - 8845 (- 1345) based on offset wells
Total Depth	8860	-1360	9111	☐	213 6-1/4" hole, 4-1/2" 11.6 ppf, J-55, LTC casing. Cement w/ 566 cuft. Circulate cement a minimum of 100' inside the previous casing string.
OAK CANYON	8860	-1360	☐		
ENCINAL	8899	-1399	☐		

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-5 UNIT-101	28N 5W 13 SW NE SW
Production	SJ 28-5 UNIT-98M	28N 5W 13 SW NE SE
Production	SJ 28-5 UNIT-97M	28N 5W 14 SE SE SE

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 Company: ConocoPhillips SJB Project: San Juan Basin - New Mexico West Wells Site: San Juan 28 Wells Well: SJ 28-5 #92P Wellbore: SJ 28-5 #92P Design: Plan #1	Local Co-ordinate Reference: Well SJ 28-5 #92P TVD Reference: WELL @ 7500 0ft (Original Well Elev) MD Reference: WELL @ 7500 0ft (Original Well Elev) North Reference: True Survey Calculation Method: Minimum Curvature
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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 28 Wells			
Site Position:	Northings:	2,042,566.26 ft	Latitude:
From:	Easting:	563,690.29 ft	Longitude:
Position Uncertainty:	Slot Radius:	"	Grid Convergence:
			0.13 °

Well SJ 28-5 #92P, MV/DK S-Shaped Long Reach			
Well Position	Northings:	2,058,471.68 ft	Latitude:
	Easting:	652,977.04 ft	Longitude:
Position Uncertainty	Wellhead Elevation:	ft	Ground Level:
			7,485.0 ft

Wellbore SJ 28-5 #92P					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	9/9/2011	9.67	63.47	50,692

Design Plan #1				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	199.78

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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,463.1	22.26	199.78	1,435.3	-200.9	-72.2	2.00	2.00	0.00	199.78	
4,212.2	22.26	199.78	3,979.5	-1,180.9	-424.6	0.00	0.00	0.00	0.00	
4,954.2	0.00	0.00	4,703.0	-1,314.9	-472.8	3.00	-3.00	0.00	180.00	SJ 28-5 #92P - ICP
9,111.2	0.00	0.00	8,860.0	-1,314.9	-472.8	0.00	0.00	0.00	0.00	SJ 28-5 #92P - PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #92P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7500.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 7500.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #92P	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #92P		
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
9-5/8"									
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	199.78	400.0	-0.4	-0.1	0.4	2.00	2.00	0.00
500.0	3.00	199.78	499.9	-3.7	-1.3	3.9	2.00	2.00	0.00
600.0	5.00	199.78	599.7	-10.3	-3.7	10.9	2.00	2.00	0.00
700.0	7.00	199.78	699.1	-20.1	-7.2	21.4	2.00	2.00	0.00
800.0	9.00	199.78	798.2	-33.2	-11.9	35.3	2.00	2.00	0.00
900.0	11.00	199.78	896.6	-49.5	-17.8	52.6	2.00	2.00	0.00
1,000.0	13.00	199.78	994.4	-69.1	-24.8	73.4	2.00	2.00	0.00
1,100.0	15.00	199.78	1,091.5	-91.9	-33.0	97.6	2.00	2.00	0.00
1,200.0	17.00	199.78	1,187.6	-117.8	-42.4	125.2	2.00	2.00	0.00
1,300.0	19.00	199.78	1,282.7	-146.9	-52.8	156.1	2.00	2.00	0.00
1,400.0	21.00	199.78	1,376.6	-179.1	-64.4	190.3	2.00	2.00	0.00
1,463.1	22.26	199.78	1,435.3	-200.9	-72.2	213.5	2.00	2.00	0.00
1,500.0	22.26	199.78	1,469.5	-214.1	-77.0	227.5	0.00	0.00	0.00
1,600.0	22.26	199.78	1,562.0	-249.7	-89.8	265.4	0.00	0.00	0.00
1,700.0	22.26	199.78	1,654.5	-285.4	-102.6	303.3	0.00	0.00	0.00
1,800.0	22.26	199.78	1,747.1	-321.0	-115.4	341.2	0.00	0.00	0.00
1,900.0	22.26	199.78	1,839.6	-356.7	-128.3	379.0	0.00	0.00	0.00
2,000.0	22.26	199.78	1,932.2	-392.3	-141.1	416.9	0.00	0.00	0.00
2,100.0	22.26	199.78	2,024.7	-428.0	-153.9	454.8	0.00	0.00	0.00
2,200.0	22.26	199.78	2,117.3	-463.6	-166.7	492.7	0.00	0.00	0.00
2,300.0	22.26	199.78	2,209.8	-499.3	-179.5	530.6	0.00	0.00	0.00
2,400.0	22.26	199.78	2,302.4	-534.9	-192.3	568.5	0.00	0.00	0.00
2,500.0	22.26	199.78	2,394.9	-570.6	-205.2	606.3	0.00	0.00	0.00
2,600.0	22.26	199.78	2,487.5	-606.2	-218.0	644.2	0.00	0.00	0.00
2,652.4	22.26	199.78	2,536.0	-624.9	-224.7	664.1	0.00	0.00	0.00
Nacimiento									
2,700.0	22.26	199.78	2,580.0	-641.9	-230.8	682.1	0.00	0.00	0.00
2,800.0	22.26	199.78	2,672.6	-677.5	-243.6	720.0	0.00	0.00	0.00
2,900.0	22.26	199.78	2,765.1	-713.2	-256.4	757.9	0.00	0.00	0.00
3,000.0	22.26	199.78	2,857.7	-748.8	-269.3	795.8	0.00	0.00	0.00
3,100.0	22.26	199.78	2,950.2	-784.5	-282.1	833.6	0.00	0.00	0.00
3,200.0	22.26	199.78	3,042.7	-820.1	-294.9	871.5	0.00	0.00	0.00
3,300.0	22.26	199.78	3,135.3	-855.8	-307.7	909.4	0.00	0.00	0.00
3,400.0	22.26	199.78	3,227.8	-891.4	-320.5	947.3	0.00	0.00	0.00
3,500.0	22.26	199.78	3,320.4	-927.1	-333.3	985.2	0.00	0.00	0.00
3,600.0	22.26	199.78	3,412.9	-962.7	-346.2	1,023.1	0.00	0.00	0.00
3,700.0	22.26	199.78	3,505.5	-998.4	-359.0	1,060.9	0.00	0.00	0.00
3,800.0	22.26	199.78	3,598.0	-1,034.0	-371.8	1,098.8	0.00	0.00	0.00
3,900.0	22.26	199.78	3,690.6	-1,069.7	-384.6	1,136.7	0.00	0.00	0.00
4,000.0	22.26	199.78	3,783.1	-1,105.3	-397.4	1,174.6	0.00	0.00	0.00
4,026.9	22.26	199.78	3,808.0	-1,114.9	-400.9	1,184.8	0.00	0.00	0.00
Ojo									
4,100.0	22.26	199.78	3,875.7	-1,141.0	-410.3	1,212.5	0.00	0.00	0.00
4,165.2	22.26	199.78	3,936.0	-1,164.2	-418.6	1,237.2	0.00	0.00	0.00
Kirtland									
4,200.0	22.26	199.78	3,968.2	-1,176.6	-423.1	1,250.4	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #92P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7500.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 7500.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #92P	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #92P		
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)
4,212.2	22.26	199.78	3,979.5	-1,180.9	-424.6	1,255.0	0.00	0.00	0.00
4,264.3	20.70	199.78	4,028.0	-1,198.9	-431.1	1,274.1	3.00	-3.00	0.00
Fruitland									
4,300.0	19.63	199.78	4,061.5	-1,210.5	-435.3	1,286.4	3.00	-3.00	0.00
4,400.0	16.63	199.78	4,156.5	-1,239.8	-445.8	1,317.5	3.00	-3.00	0.00
4,500.0	13.63	199.78	4,253.0	-1,264.3	-454.6	1,343.6	3.00	-3.00	0.00
4,600.0	10.63	199.78	4,350.8	-1,284.1	-461.7	1,364.6	3.00	-3.00	0.00
4,676.2	8.34	199.78	4,426.0	-1,295.9	-466.0	1,377.1	3.00	-3.00	0.00
Pictured Cliffs									
4,700.0	7.63	199.78	4,449.5	-1,299.0	-467.1	1,380.4	3.00	-3.00	0.00
4,800.0	4.63	199.78	4,548.9	-1,309.0	-470.7	1,391.1	3.00	-3.00	0.00
4,801.1	4.59	199.78	4,550.0	-1,309.1	-470.7	1,391.2	3.00	-3.00	0.00
Lewis									
4,900.0	1.63	199.78	4,648.8	-1,314.2	-472.5	1,396.5	3.00	-3.00	0.00
4,954.2	0.00	0.00	4,703.0	-1,314.9	-472.8	1,397.3	3.00	-3.00	295.48
7" Intermediate - SJ 28-5 #92P - ICP									
5,000.0	0.00	0.00	4,748.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,848.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,200.0	0.00	0.00	4,948.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,048.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,148.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,442.2	0.00	0.00	5,191.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Huerfano Bentonite									
5,500.0	0.00	0.00	5,248.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,348.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,686.2	0.00	0.00	5,435.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Chacra									
5,700.0	0.00	0.00	5,448.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,548.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,648.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,748.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,848.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,948.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,271.2	0.00	0.00	6,020.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Upper Cliffhouse									
6,300.0	0.00	0.00	6,048.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,148.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,472.2	0.00	0.00	6,221.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Mass. Cliffhouse									
6,500.0	0.00	0.00	6,248.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,550.2	0.00	0.00	6,299.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Menefee									
6,600.0	0.00	0.00	6,348.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,448.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,548.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
6,869.2	0.00	0.00	6,618.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Point Lookout									
6,900.0	0.00	0.00	6,648.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,748.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,848.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,948.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,048.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #92P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 7500 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 7500 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #92P	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #92P		
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	7,148.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,408.2	0.00	0.00	7,157.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Mancos									
7,500.0	0.00	0.00	7,248.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,348.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,448.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,548.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,648.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,748.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,089.2	0.00	0.00	7,838.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Upper Gallup									
8,100.0	0.00	0.00	7,848.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,200.0	0.00	0.00	7,948.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,048.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,148.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,248.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,348.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,448.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,548.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,848.2	0.00	0.00	8,597.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Greenhorn									
8,900.0	0.00	0.00	8,648.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
8,907.2	0.00	0.00	8,656.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Graneros									
8,966.2	0.00	0.00	8,715.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Two Wells									
9,000.0	0.00	0.00	8,748.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
9,029.2	0.00	0.00	8,778.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Cubero									
9,081.2	0.00	0.00	8,830.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
Lower Cubero									
9,100.0	0.00	0.00	8,848.8	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
9,111.2	0.00	0.00	8,860.0	-1,314.9	-472.8	1,397.3	0.00	0.00	0.00
4-1/2" Production - SJ 28-5 #92P - 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 28-5 #92P - PCP	- plan hits target center	0.00	0.00	8,860.0	-1,314.9	-472.8	2,057,154.32	652,511.41	36° 39' 8.790 N	107° 18' 48.312 W
- Point										
SJ 28-5 #92P - ICP	- plan hits target center	0.00	0.00	4,703.0	-1,314.9	-472.8	2,057,154.31	652,511.41	36° 39' 8.790 N	107° 18' 48.312 W
- Point										

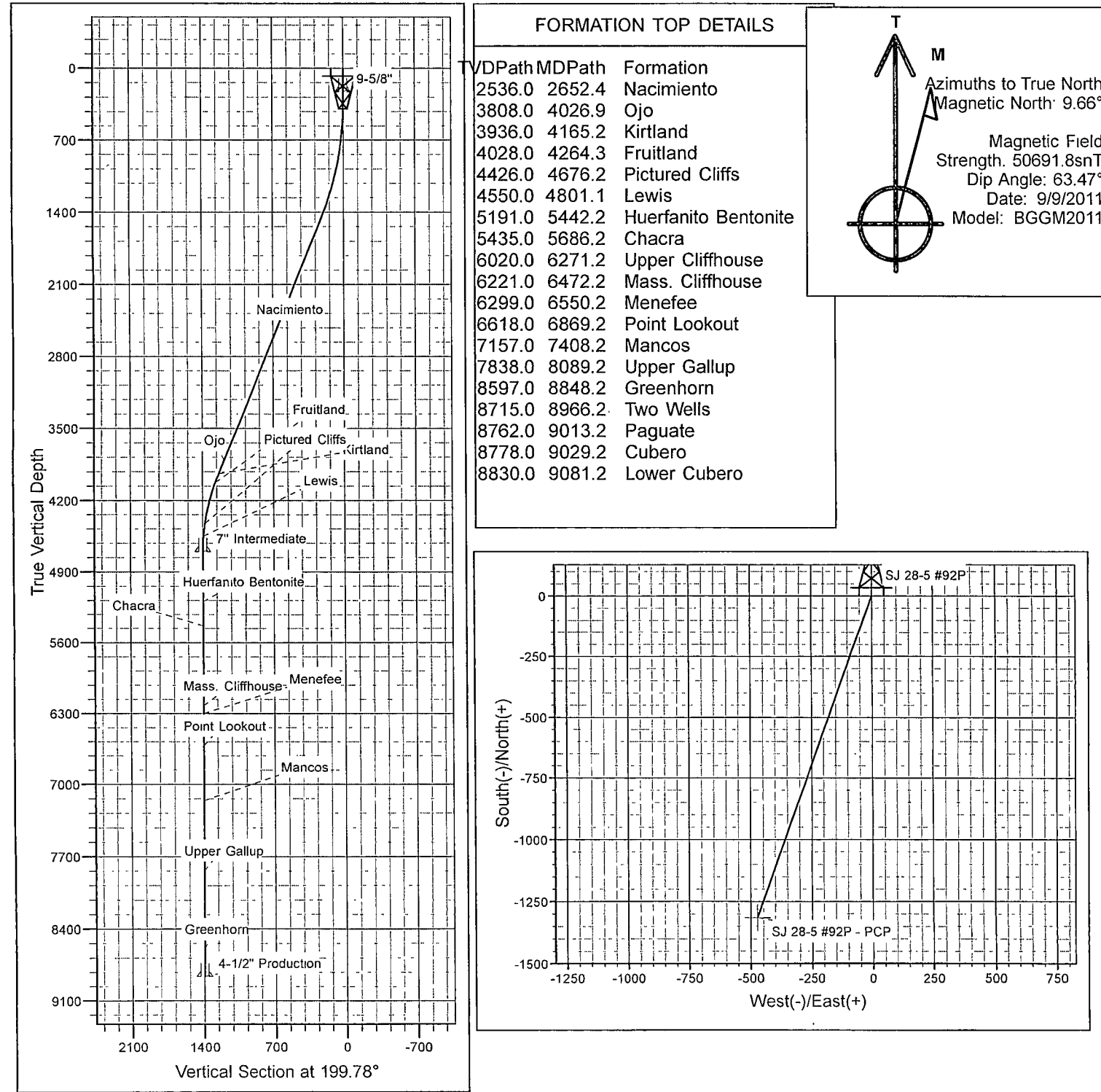
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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 #92P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7500.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 7500.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #92P	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-5 #92P		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,652.4	2,536.0	Nacimiento		0.00		
9,081.2	8,830.0	Lower Cubero		0.00		
8,848.2	8,597.0	Greenhorn		0.00		
6,271.2	6,020.0	Upper Cliffhouse		0.00		
4,676.2	4,426.0	Pictured Cliffs		0.00		
5,442.2	5,191.0	Huerfano Bentonite		0.00		
4,264.3	4,028.0	Fruitland		0.00		
8,966.2	8,715.0	Two Wells		0.00		
4,165.2	3,936.0	Kirtland		0.00		
6,550.2	6,299.0	Menefee		0.00		
6,869.2	6,618.0	Point Lookout		0.00		
4,801.1	4,550.0	Lewis		0.00		
6,472.2	6,221.0	Mass. Cliffhouse		0.00		
5,686.2	5,435.0	Chacra		0.00		
9,029.2	8,778.0	Cubero		0.00		
4,026.9	3,808.0	Ojo		0.00		
8,907.2	8,656.0	Graneros		0.00		
7,408.2	7,157.0	Mancos		0.00		
8,089.2	7,838.0	Upper Gallup		0.00		

REFERENCE INFORMATION			Project: San Juan Basin - New Mexico West V									
WELL @ 7500.0ft (Original Well Elev)			Site: San Juan 28 Wells									
Ground Elevation 7485.0			Well: SJ 28-5 #92P									
Reference Lat: 36° 39' 21.792 N			Wellbore: SJ 28-5 #92P									
Reference Long: 107° 18' 42.510 W			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	1463.1	22.26	199.78	1435.3	-200.9	-72.2	2.00	199.78	213.5			
4	4212.2	22.26	199.78	3979.5	-1180.9	-424.6	0.00	0.00	1255.0			
5	4954.2	0.00	0.00	4703.0	-1314.9	-472.8	3.00	180.00	1397.3	SJ 28-5 #92P - ICP		
6	9111.2	0.00	0.00	8860.0	-1314.9	-472.8	0.00	0.00	1397.3	SJ 28-5 #92P - PCP		



Directions from the Intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM
to Burlington Resources Oil & Gas Company San Juan 28-5 Unit #92P
770' FSL & 2110' FWL, Section 13, T28N, R5W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.65606°N Longitude : 107.31241°W Datum : NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 41.6 miles to Forest Road #314 @ Milepost 105.8;

Go right (South-easterly) on Forest Road #314 for 5.0 miles to fork in road;

Go right (South-westerly) for 0.1 miles to an existing wellpad from which new access continues for 485.2' to staked location.