

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 06 2012

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5 Lease Serial No
SF-080672
6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7 If Unit of CA/Agreement, Name and/or No San Juan 27-4 Unit
1 Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	8 Well Name and No. San Juan 27-4 Unit 155A	
2 Name of Operator Burlington Resources Oil & Gas Company LP	9 API Well No 30-039-30967	
3a. Address PO Box 4289, Farmington, NM 87499	3b Phone No (include area code) (505) 326-9700	10. Field and Pool or Exploratory Area Blanco MV/Basin Mancos/Basin DK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit M (SWSW), 1117 FSL & 988' FWL, Sec. 24, T27N, R4W Bottomhole Unit M (SWSW), 1236' FSL & 804' FWL, Sec. 24, T27N, R4W		11 Country or Parish, State Rio Arriba New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection)

For anti-collision issues with the San Juan 27-4 Unit 81 which is twinned on the same location, Burlington Resources is now proposing to use directional tools and nudge this well. Attached is a new Project Proposal, Directional Plan, and C-102.

Hold C104
for Directional Survey
and "As Drilled" plat

RCVD JUN 13 '12
OIL CONS. DIV.
DIST. 3

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

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) DENISE JOURNEY		Title REGULATORY TECHNICIAN
Signature <i>Denise Journey</i>		Date 6/6/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Shea C. Vold</i>	Title PE	Date 6/6/12
Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon	Office FFD	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction

Hold C104

(Instruction on page 2)

NMCCN

for Directional Survey
and "As Drilled" plat

RCVD JUN 13 '12

OIL CONS. DIV.

DIST. 3

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011

Submit one copy to appropriate

District Office

JUN 06 2012

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30967	² Pool Code 72319/71599/97232	³ Pool Name Blanco Mesaverde/Basin Mancos/Basin Dakota
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 155A
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 7170

¹⁰ SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	27-N	4-W		1117	SOUTH	988	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
M	24	27-N	4-W		1236	SOUTH	804	WEST	RIO ARRIBA

¹² Dedicated Acres W/2(320)	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.

SECTION 24 T-27-N, R-04-W W/2 DEDICATED ACREAGE SF-080827 BOTTOM HOLE NAD 83 LAT: 36.554931° N LONG: 107.209063° W NAD 27 LAT: 36°33.295265' N LONG: 107°12.507941' W WELL FLAG NAD 83 LAT: 36.554611° N LONG: 107.208437° W NAD 27 LAT: 36°33.276039' N LONG: 107°12.470391' W GLO 1917	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Denise Journey</i> 6/6/12 Signature Date Denise Journey Printed Name Denise.Journey@conocophillips.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 07/15/2009 Signature and Seal of Professional Surveyor: <i>Henry P. Broadhurst</i> NEW MEXICO 11393 25 2012 PROFESSIONAL SURVEYOR Certificate Number: NM 11393
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 155A

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9125		AFE \$: 2,169,003.23	
Field Name: SAN JUAN 27-4 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RCO085	MANCOS(RCO085)				
R20076	DAKOTA(R20076)				
R20002	MESAVERDE(R20002)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.554601	Longitude: -107.207839	X:	Y:	Section: 24	Range: 004W
Footage X: 988 FWL	Footage Y: 1117 FSL	Elevation: 7170	(FT)	Township: 027N	
Tolerance:					
Location: Bottom-Hole Datum Code: NAD 27 Directional					
Latitude: 36.554930	Longitude: -107.208468	X:	Y:	Section: 24	Range: 004W
Footage X: 804 FWL	Footage Y: 1236 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7186 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)
Surface Casing	201	6985		☐	
					12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	2278	4908		☐	
OJO ALAMO	3440	3746		☐	
KIRTLAND	3594	3592		☐	
FRUITLAND	3676	3510		☐	Possible Gas
PICTURED CLIFFS	4024	3162		☐	
LEWIS	4105	3081		☐	
Intermediate Casing	4205	2981		☐	8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 4204 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4488	2698		☐	
CHACRA	4988	2198		☐	
UPPER CLIFF HOUSE	5591	1595		☐	Gas; Est. Top Perf - 5592 (1593)
MASSIVE CLIFF HOUSE	5737	1449		☐	898 Gas; Cliffhouse is dry
MENEFEE	5866	1320		☐	
POINT LOOKOUT	6140	1046		☐	
MANCOS	6707	479		☐	
UPPER GALLUP	7338	-152		☐	
GREENHORN	8148	-962		☐	
GRANEROS	8204	-1018		☐	
TWO WELLS	8248	-1062		☐	3350 Gas
PAGUATE	8318	-1132		☐	
UPPER CUBERO	8356	-1170		☐	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 155A

DEVELOPMENT

LOWER CUBERO	8399	-1213	☐	Est Bottom Perf ~15' from TD.
OAK CANYON	8420	-1234	☐	
Total Depth	8454	-1268	☐	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC. casing. Cement w/ 578 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	8454	-1268	☐	TD - T/ENCN

Reference Wells:		
Reference Type	Well Name	Comments
Production	Champlin 5C	27N 4W 25 E2 SW SW
Production	Champlin 8-25	27N 4W 25 SE NW SE
Production	Champlin 7B	27N 4W 25 SE NW NE
Production	Champlin 6-25	27N 4W 25 NW SE NW

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☒ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Quad Combo & ECS at TD for Mancos - Mudlog from 100' above top of Gallup to TD - mudlogger will call TD due to lack of control in the area.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks



ConocoPhillips

SJB (NM Central)

SEC 24-T27N-R4W

San Juan 27-4 Unit 155A

OH

Plan: Plan 1

Standard Planning Report

29 May, 2012



Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well San Juan 27-4 Unit 155A
Company:	ConocoPhillips	TVD Reference:	GL 7170' & KB 15' @ 7185 0ft (AWS 711)
Project:	SJB (NM Central)	MD Reference:	GL 7170' & KB 15' @ 7185 0ft (AWS 711)
Site:	SEC 24-T27N-R4W	North Reference:	True
Well:	San Juan 27-4 Unit 155A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	SEC 24-T27N-R4W				
Site Position:		Northing:	2,022,490.51 ft	Latitude:	36° 33' 16.562 N
From:	Lat/Long	Easting:	218,674.08 ft	Longitude:	107° 12' 28.224 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.57 °

Well	San Juan 27-4 Unit 155A, 1117' FSL 988' FWL					
Well Position	+N/-S	0.0 ft	Northing:	2,022,490.51 ft	Latitude:	36° 33' 16.562 N
	+E/-W	0.0 ft	Easting:	218,674.08 ft	Longitude:	107° 12' 28.224 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,170.0 ft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2011	2012/05/29	9.52	63.37	50,562

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	303.00

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	
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.00	0.00	
750.0	6.00	303.00	749.5	8.5	-13.2	2.00	2.00	0.00	303.00	
2,604.5	6.00	303.00	2,593.8	114.1	-175.7	0.00	0.00	0.00	0.00	
2,804.5	0.00	0.00	2,793.4	119.8	-184.5	3.00	-3.00	0.00	180.00	
4,215.1	0.00	0.00	4,204.0	119.8	-184.5	0.00	0.00	0.00	0.00	SJ 27-4 #155A ICP
8,464.1	0.00	0.00	8,453.0	119.8	-184.5	0.00	0.00	0.00	0.00	SJ 27-4 #155A PCA

Database: EDM 2003 21 Single User Db
Company: ConocoPhillips
Project: SJB (NM Central)
Site: SEC 24-T27N-R4W
Well: San Juan 27-4 Unit 155A
Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference: Well San Juan 27-4 Unit 155A
TVD Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
MD Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
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
Surface Casing									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	1.00	303.00	500.0	0.2	-0.4	0.4	2.00	2.00	0.00
600.0	3.00	303.00	599.9	2.1	-3.3	3.9	2.00	2.00	0.00
700.0	5.00	303.00	699.7	5.9	-9.1	10.9	2.00	2.00	0.00
750.0	6.00	303.00	749.5	8.5	-13.2	15.7	2.00	2.00	0.00
800.0	6.00	303.00	799.2	11.4	-17.5	20.9	0.00	0.00	0.00
900.0	6.00	303.00	898.6	17.1	-26.3	31.4	0.00	0.00	0.00
1,000.0	6.00	303.00	998.1	22.8	-35.1	41.8	0.00	0.00	0.00
1,100.0	6.00	303.00	1,097.5	28.5	-43.8	52.3	0.00	0.00	0.00
1,200.0	6.00	303.00	1,197.0	34.2	-52.6	62.7	0.00	0.00	0.00
1,300.0	6.00	303.00	1,296.4	39.9	-61.4	73.2	0.00	0.00	0.00
1,400.0	6.00	303.00	1,395.9	45.6	-70.1	83.6	0.00	0.00	0.00
1,500.0	6.00	303.00	1,495.3	51.2	-78.9	94.1	0.00	0.00	0.00
1,600.0	6.00	303.00	1,594.8	56.9	-87.7	104.5	0.00	0.00	0.00
1,700.0	6.00	303.00	1,694.2	62.6	-96.4	115.0	0.00	0.00	0.00
1,800.0	6.00	303.00	1,793.7	68.3	-105.2	125.4	0.00	0.00	0.00
1,900.0	6.00	303.00	1,893.2	74.0	-114.0	135.9	0.00	0.00	0.00
2,000.0	6.00	303.00	1,992.6	79.7	-122.7	146.4	0.00	0.00	0.00
2,100.0	6.00	303.00	2,092.1	85.4	-131.5	156.8	0.00	0.00	0.00
2,200.0	6.00	303.00	2,191.5	91.1	-140.3	167.3	0.00	0.00	0.00
2,286.0	6.00	303.00	2,277.0	96.0	-147.8	176.2	0.00	0.00	0.00
Nacimiento									
2,300.0	6.00	303.00	2,291.0	96.8	-149.0	177.7	0.00	0.00	0.00
2,400.0	6.00	303.00	2,390.4	102.5	-157.8	188.2	0.00	0.00	0.00
2,500.0	6.00	303.00	2,489.9	108.2	-166.6	198.6	0.00	0.00	0.00
2,600.0	6.00	303.00	2,589.3	113.9	-175.3	209.1	0.00	0.00	0.00
2,604.5	6.00	303.00	2,593.8	114.1	-175.7	209.5	0.00	0.00	0.00
2,700.0	3.13	303.00	2,689.0	118.3	-182.1	217.1	3.00	-3.00	0.00
2,800.0	0.13	303.00	2,788.9	119.8	-184.5	220.0	3.00	-3.00	0.00
2,804.5	0.00	0.00	2,793.4	119.8	-184.5	220.0	3.00	-3.00	0.00
2,900.0	0.00	0.00	2,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,000.0	0.00	0.00	2,988.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,188.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,450.1	0.00	0.00	3,439.0	119.8	-184.5	220.0	0.00	0.00	0.00
Ojo Alamo									
3,500.0	0.00	0.00	3,488.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,588.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,604.1	0.00	0.00	3,593.0	119.8	-184.5	220.0	0.00	0.00	0.00
Kirtland									
3,686.1	0.00	0.00	3,675.0	119.8	-184.5	220.0	0.00	0.00	0.00
Fruitland									
3,700.0	0.00	0.00	3,688.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,788.9	119.8	-184.5	220.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,000.0	0.00	0.00	3,988.9	119.8	-184.5	220.0	0.00	0.00	0.00

Database: EDM 2003.21 Single User Db
Company: ConocoPhillips
Project: SJB (NM Central)
Site: SEC 24-T27N-R4W
Well: San Juan 27-4 Unit 155A
Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference: Well San Juan 27-4 Unit 155A
TVD Reference: GL 7170' & KB 15' @ 7185 0ft (AWS 711)
MD Reference: GL 7170' & KB 15' @ 7185 0ft (AWS 711)
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)
4,034.1	0.00	0.00	4,023.0	119.8	-184.5	220.0	0.00	0.00	0.00
Pictured Cliffs									
4,100.0	0.00	0.00	4,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,115.1	0.00	0.00	4,104.0	119.8	-184.5	220.0	0.00	0.00	0.00
Lewis									
4,200.0	0.00	0.00	4,188.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,215.1	0.00	0.00	4,204.0	119.8	-184.5	220.0	0.00	0.00	0.00
Intermediate Casing									
4,300.0	0.00	0.00	4,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,498.1	0.00	0.00	4,487.0	119.8	-184.5	220.0	0.00	0.00	0.00
Huerfano Bentonite									
4,500.0	0.00	0.00	4,488.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,588.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,688.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,788.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
4,998.1	0.00	0.00	4,987.0	119.8	-184.5	220.0	0.00	0.00	0.00
Chacra									
5,000.0	0.00	0.00	4,988.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,188.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,488.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,588.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,601.1	0.00	0.00	5,590.0	119.8	-184.5	220.0	0.00	0.00	0.00
Upper Cliff House									
5,700.0	0.00	0.00	5,688.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,747.1	0.00	0.00	5,736.0	119.8	-184.5	220.0	0.00	0.00	0.00
Massive Cliff House									
5,800.0	0.00	0.00	5,788.9	119.8	-184.5	220.0	0.00	0.00	0.00
5,876.1	0.00	0.00	5,865.0	119.8	-184.5	220.0	0.00	0.00	0.00
Menefee									
5,900.0	0.00	0.00	5,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,988.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,150.1	0.00	0.00	6,139.0	119.8	-184.5	220.0	0.00	0.00	0.00
Point Lookout									
6,200.0	0.00	0.00	6,188.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,488.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,588.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,688.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,717.1	0.00	0.00	6,706.0	119.8	-184.5	220.0	0.00	0.00	0.00
Mancos									
6,800.0	0.00	0.00	6,788.9	119.8	-184.5	220.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,988.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,188.9	119.8	-184.5	220.0	0.00	0.00	0.00

Database: EDM 2003.21 Single User Db
 Company: ConocoPhillips
 Project: SJB (NM Central)
 Site: SEC 24-T27N-R4W
 Well: San Juan 27-4 Unit 155A
 Wellbore: OH
 Design: Plan 1

Local Co-ordinate Reference: Well San Juan 27-4 Unit 155A
 TVD Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 MD Reference: GL 7170' & KB 15' @ 7185 0ft (AWS 711)
 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)
7,300.0	0.00	0.00	7,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,348.1	0.00	0.00	7,337.0	119.8	-184.5	220.0	0.00	0.00	0.00
Upper Gallup									
7,400.0	0.00	0.00	7,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,488.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,588.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,688.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,788.9	119.8	-184.5	220.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,888.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,988.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,088.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,158.1	0.00	0.00	8,147.0	119.8	-184.5	220.0	0.00	0.00	0.00
Greenhorn									
8,200.0	0.00	0.00	8,188.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,214.1	0.00	0.00	8,203.0	119.8	-184.5	220.0	0.00	0.00	0.00
Graneros									
8,258.1	0.00	0.00	8,247.0	119.8	-184.5	220.0	0.00	0.00	0.00
Two Wells									
8,300.0	0.00	0.00	8,288.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,328.1	0.00	0.00	8,317.0	119.8	-184.5	220.0	0.00	0.00	0.00
Paguate									
8,366.1	0.00	0.00	8,355.0	119.8	-184.5	220.0	0.00	0.00	0.00
Upper Cubero									
8,400.0	0.00	0.00	8,388.9	119.8	-184.5	220.0	0.00	0.00	0.00
8,409.1	0.00	0.00	8,398.0	119.8	-184.5	220.0	0.00	0.00	0.00
Lower Cubero									
8,430.1	0.00	0.00	8,419.0	119.8	-184.5	220.0	0.00	0.00	0.00
Oak Canyon									
8,464.1	0.00	0.00	8,453.0	119.8	-184.5	220.0	0.00	0.00	0.00
Encinal - Production Casing									

Design Targets

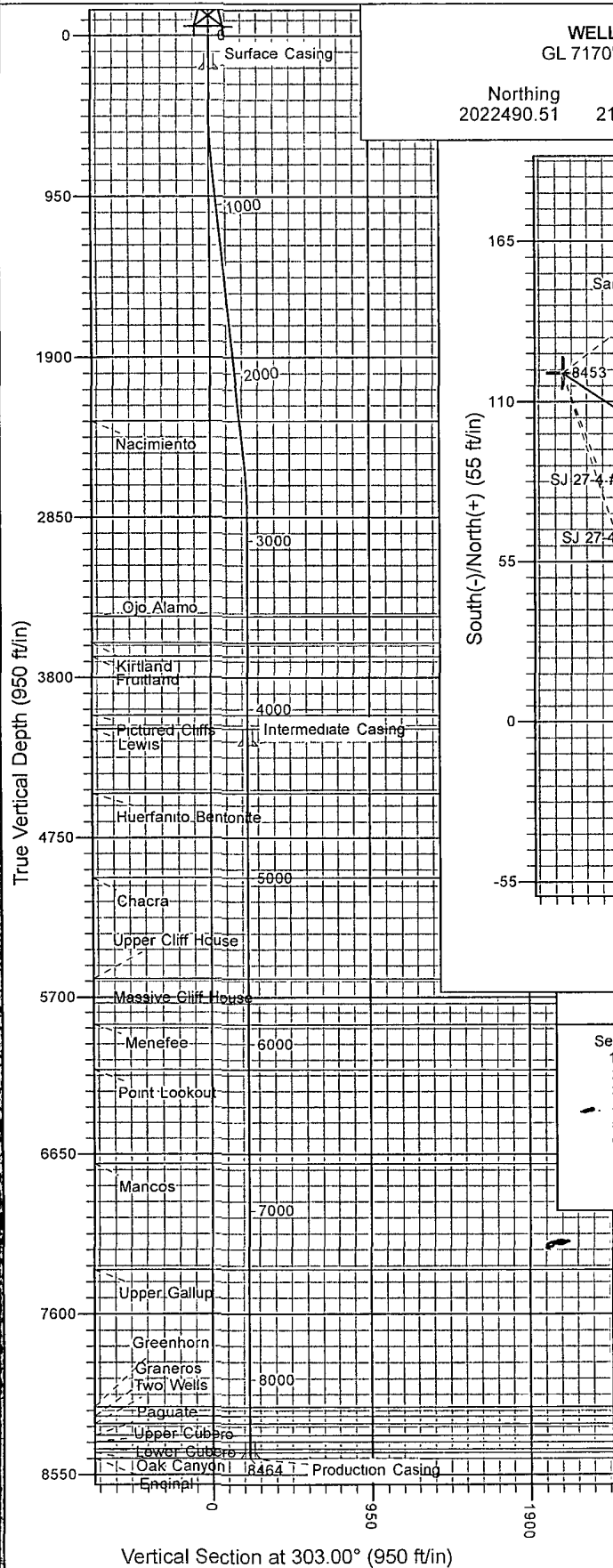
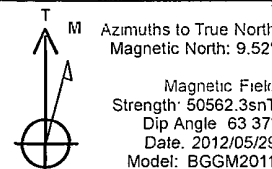
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 27-4 #155A ICP	0.00	0.00	4,204.0	119.8	-184.5	2,022,612.17	218,490.77	36° 33' 17.747 N	107° 12' 30.485 W
- plan hits target center									
- Point									
SJ 27-4 #155A PCP	0.00	0.00	8,453.0	119.8	-184.5	2,022,612.17	218,490.77	36° 33' 17.747 N	107° 12' 30.485 W
- plan hits target center									
- Point									

Database: EDM 2003.21 Single User Db
Company: ConocoPhillips
Project: SJB (NM Central)
Site: SEC 24-T27N-R4W
Well: San Juan 27-4 Unit 155A
Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference: Well San Juan 27-4 Unit 155A
TVD Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
MD Reference: GL 7170' & KB 15' @ 7185 0ft (AWS 711)
North Reference: True
Survey Calculation Method: Minimum Curvature

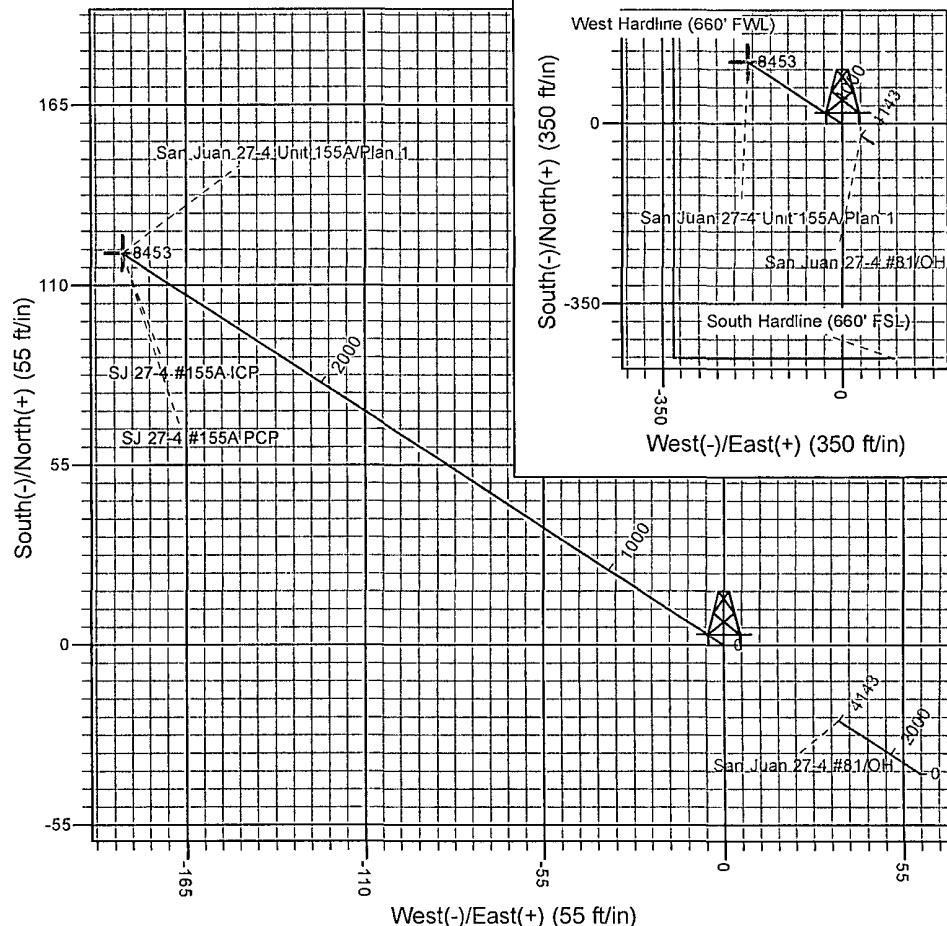
Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,464.1	8,453.0	Production Casing	4-1/2	6-1/4
4,215.1	4,204.0	Intermediate Casing	7	8-3/4
200.0	200.0	Surface Casing	9-5/8	12-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,286.0	2,277.0	Nacimiento		0.00		
3,450.1	3,439.0	Ojo Alamo		0.00		
3,604.1	3,593.0	Kirtland		0.00		
3,686.1	3,675.0	Fruitland		0.00		
4,034.1	4,023.0	Pictured Cliffs		0.00		
4,115.1	4,104.0	Lewis		0.00		
4,498.1	4,487.0	Huerfano Bentonite		0.00		
4,998.1	4,987.0	Chacra		0.00		
5,601.1	5,590.0	Upper Cliff House		0.00		
5,747.1	5,736.0	Massive Cliff House		0.00		
5,876.1	5,865.0	Menefee		0.00		
6,150.1	6,139.0	Point Lookout		0.00		
6,717.1	6,706.0	Mancos		0.00		
7,348.1	7,337.0	Upper Gallup		0.00		
8,158.1	8,147.0	Greenhorn		0.00		
8,214.1	8,203.0	Graneros		0.00		
8,258.1	8,247.0	Two Wells		0.00		
8,328.1	8,317.0	Paguate		0.00		
8,366.1	8,355.0	Upper Cubero		0.00		
8,409.1	8,398.0	Lower Cubero		0.00		
8,430.1	8,419.0	Oak Canyon		0.00		
8,464.1	8,453.0	Encinal		0.00		



WELL DETAILS: San Juan 27-4 Unit 155A
 GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Ground Level 7170 0

Northing: 2022490.51 Easting: 218674.08 Latitude: 36° 33' 16.562 N Longitude: 107° 12' 28.224 W



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	450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.0	
3	750.0	6.00	303.00	749.5	8.5	-13.2	2.00	303.00	15.7	
4	2604.5	6.00	303.00	2593.8	114.1	-175.7	0.00	0.00	209.5	
5	2804.5	0.00	0.00	2793.4	119.8	-184.5	3.00	180.00	220.0	
6	4215.1	0.00	0.00	4204.0	119.8	-184.5	0.00	0.00	220.0	SJ 27-4 #155A ICP
7	8464.1	0.00	0.00	8453.0	119.8	-184.5	0.00	0.00	220.0	SJ 27-4 #155A PCP

Date: 11:27, May 29 2012

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 27-4 Unit 155A, True North
 Vertical (TVD) Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico Central 3002
 System Datum: Mean Sea Level

DRILLING CONDITIONS OF APPROVAL

Operator: Burlington Resources
Lease No.: NMSF-080672
Well Name: San Juan 27-4 Unit #155A
Well Location: Sec.24, T27N, R4W; 1117' FSL & 988' FWL

To meet minimum standards, Burlington Resources will have at least the top 600' of the 4.5" production casing be the 11.6ppf, L-80 casing.



After hour contact: Troy Salyers 505-360-9815