

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD SEP 3 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 12 2008 Bureau of Land Management Farmington Field Office	5. Lease Number SF-080672 Unit Reporting Number NMNM-78408A-MV
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 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf:Unit F (SENW), 1545' FNL & 2180' FWL, BH:Unit J (NWSE), 2315' FSL & 2520' FEL Surf:Latitude 36.576152 N Longitude 107.222085 W BH:Latitude 36.572282 N Longitude 107.220361 W	9. Well Number #154C 10. Field, Pool, Wildcat Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 14, T27N, R4W Surface Sec. 14, T27N, R4W BH API # 30-039-30481	
14. Distance in Miles from Nearest Town 54 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1545'	17. Acres Assigned to Well MV 320 - (E/2)	
16. Acres in Lease 2560.000	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2327' from San Juan 27-4 22	
19. Proposed Depth 6658'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7136' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	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	

PERMIT NO.

APPROVED BY

APPROVAL DATE

TITLE

DATE

Hold C104

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 United States any false, fictitious or fraudulent statements or

Example Master Plan Type 3

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

Bo. MB-000089

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

FEB 12 2008

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

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

State of New Mexico Bureau of Land Management
Energy, Minerals & Natural Resources Department
Albuquerque Field Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30481	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 154C
⁷ OGRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 7136'

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
F	14	27-N	4-W		1545'	NORTH	2180'	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	14	27-N	4-W		2315'	SOUTH	2520'	EAST	RIO ARriba

¹² Dedicated Acres 320.00 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

16

SURFACE
LAT: 36°34.5885' N.
LONG: 107°13.2892' W.
NAD 1927
LAT: 36.576152' N.
LONG: 107.222085' W.
NAD 1983

BOTTOM HOLE
LAT: 36°34.3363' N.
LONG: 107°13.1868' W.
NAD 1927
LAT: 36.572282' N.
LONG: 107.220361' W.
NAD 1983

USA SF-080672

14

1545'

2180'

2520'

2315'

15703

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 unless 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.

6/27/07

Kandis Roland
Signature
Kandis Roland
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.

6-27-07
Date of Survey

G. L. Russell
Signature of Licensed Professional Surveyor

NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

6-27-07
Certificate Number

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.ZA2.7573		
SAN JUAN 27 - 4 154 C		DATE 1/15/2008
WELL NAME		
WELL NAME		

	SEC	TNSHP	RANGE		LATITUDE	LONGITUDE
COORDINATES	NW 14	27 N	4 W		36 34.5685 N	107 13.2892 W

COUNTY	RIO ARRIBA
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER					
SOLAR		X			
GROUND BED					
240 V METER POLE					
480 V METER POLE					
D C CABLES	# 8	200'			
A C CABLES					
PRIMARY POWER					
DISTANCE TO POWER					
UNDERGROUND					
PUMPJACK					
WATER PUMP					
COMPRESSOR					
RTU					
SAMS					
TANKS					

COMMENTS	install single well solar system
	sand & sandstone

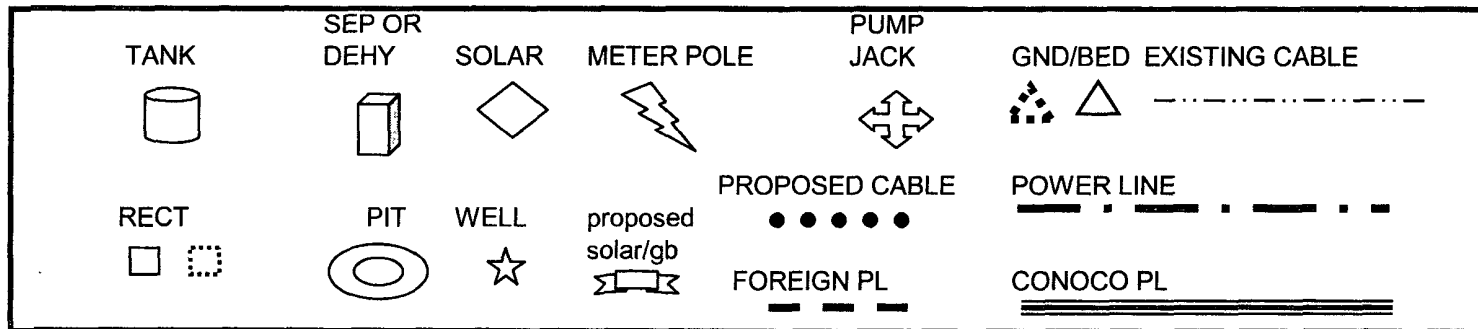
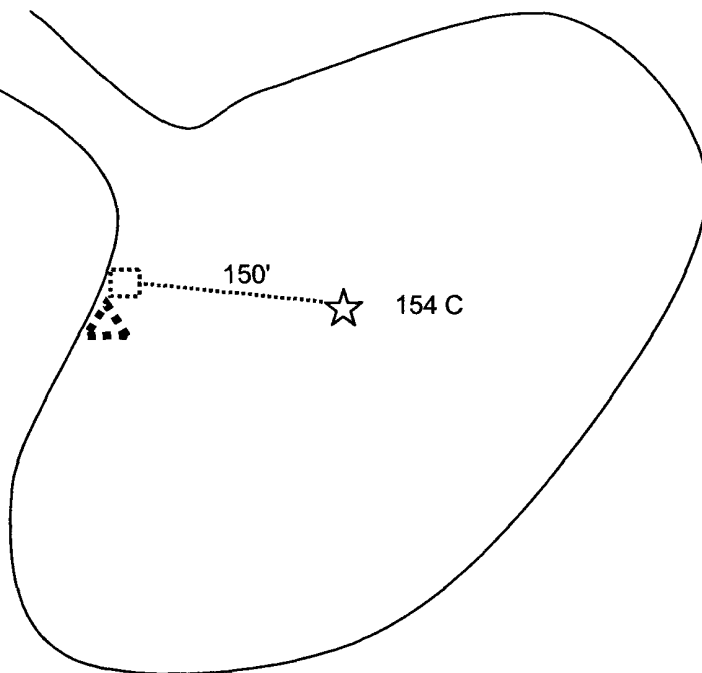
WELL NAME	SAN JUAN 27 - 4 # 154 C
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NO PIPELINES
OR WELLS WITHIN
1500 FT

SAND &
SANDSTONE

SET SINGLE
SOLAR SYSTEM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 154C

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7573		AFE \$: 901,264.85	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: XXX Deferred PDT		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
Location: Surface Datum Code: NAD 27 Deviated					
Latitude: 36.576142	Longitude: -107.221487	X:	Y:	Section: 14	Range: 004W
Footage X: 2180 FWL	Footage Y: 1545 FNL	Elevation: 7136	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Deviated					
Latitude: 36.572272	Longitude: -107.219763	X:	Y:	Section: 14	Range: 004W
Footage X: 2520 FEL	Footage Y: 2315 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2020		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7152 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	220	6932	☐		
OJO ALAMO	3475	3677	☐		
KIRTLAND	3623	3529	☐		
FRUITLAND	3751	3401	☐		Possible Gas
PICTURED CLIFFS	4051	3101	☐		
LEWIS	4166	2986	☐		
Intermediate Casing	4266	2886	☐		
HUERFANITO BENTONITE	4559	2593	☐		
CHACRA	4999	2153	☐		
MASSIVE CLIFF HOUSE	5738	1414	☐	810	Gas
MENEFEE	5863	1289	☐		
MASSIVE POINT LOOKOUT	6164	988	☐		BP 6558 est
Total Depth	6658	494	☐		
12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 174 cubic ft. Circulate cement to surface.					
8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1032 cubic ft. Circulate cement to surface.					
6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 331 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name		Comments		
Production	27-4 #22		SW 14-27N-4W		

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 154C

DEVELOPMENT

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

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 San Juan 27-4 #154C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7151.0ft (Generic Rig RKB)
Project:	San Juan Basin	MD Reference:	WELL @ 7151.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	San Juan 27-4 #154C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Targets									
Target Name	- hit/miss target	Dip Angle	Dip Dir	TVD	+N-S	+E-W	Northing	Easting	
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)	
									Latitude Longitude
San Juan 27-4 154C -		0.00	0.00	4,266.0	-1,408.9	506.1	618,175.65	207,316.64	36° 34' 20.178 N 107° 13' 11.148 W
- plan hits target									
- Point									
San Juan 27-4 154C -		0.00	0.00	6,658.0	-1,408.9	506.1	618,175.66	207,316.65	36° 34' 20.178 N 107° 13' 11.148 W
- plan hits target									
- Point									

Casing Points					
Measured Depth	Vertical Depth			Casing Diameter	Hole Diameter
(ft)	(ft)	Name		(in)	(in)
220.0	220.0	9 5/8"		9.625	12.250
4,584.9	4,266.0	7"		7.000	8.750
6,976.9	6,658.0	4 1/2"		4.500	6.250

Formations					
Measured Depth	Vertical Depth			Dip	Dip Direction
(ft)	(ft)	Name		(°)	(°)
3,769.3	3,475.0	Ojo Alamo		0.00	
3,929.1	3,623.0	Kirtland		0.00	
4,063.4	3,751.0	Fruitland		0.00	
4,369.4	4,051.0	Pictured Cliffs		0.00	
4,484.8	4,166.0	Lewis		0.00	
4,877.9	4,559.0	Huerfano Bentonite		0.00	
5,317.9	4,999.0	Chacra		0.00	
6,056.9	5,738.0	Mass. Cliffhouse		0.00	
6,181.9	5,863.0	Menefee		0.00	
6,482.9	6,164.0	Pt. Lookout		0.00	

