

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF- 080672 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 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), 1510' FNL & 2085' FWL Surf: Latitude 36.576250 N. Longitude 107.222419 W.	9. Well Number #22C
	10. Field, Pool, Wildcat Blanco Mesaverde
	11. Sec., Twn, Rge, Mer. (NMPM) f Sec. 14, T27N, R4W API # 30-039-30585
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 2085'	
16. Acres in Lease 2560.420	17. Acres Assigned to Well MV 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2310' from San Jaun 27-4 Unit 22	
19. Proposed Depth 6503'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7131' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>11/6/08</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 12/1/08

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

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

DEC 05 2008

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

NMOCD #12/4

NOTIFY AZTEC OCD 24 HRS. P.A.
PRIOR TO CASING & CEMENT

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

RECEIVED
NOV 10 2008
Bureau of Land Management
Farmington Field Office

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
Energy, Minerals & Natural Resources Department

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 30-039-30585		2 Pool Code 72319		3 Pool Name Blanco MESAVERDE	
4 Property Code 7452		5 Property Name SAN JUAN 27-4 UNIT			6 Well Number 22C
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			9 Elevation 7131'

10 Surface Location

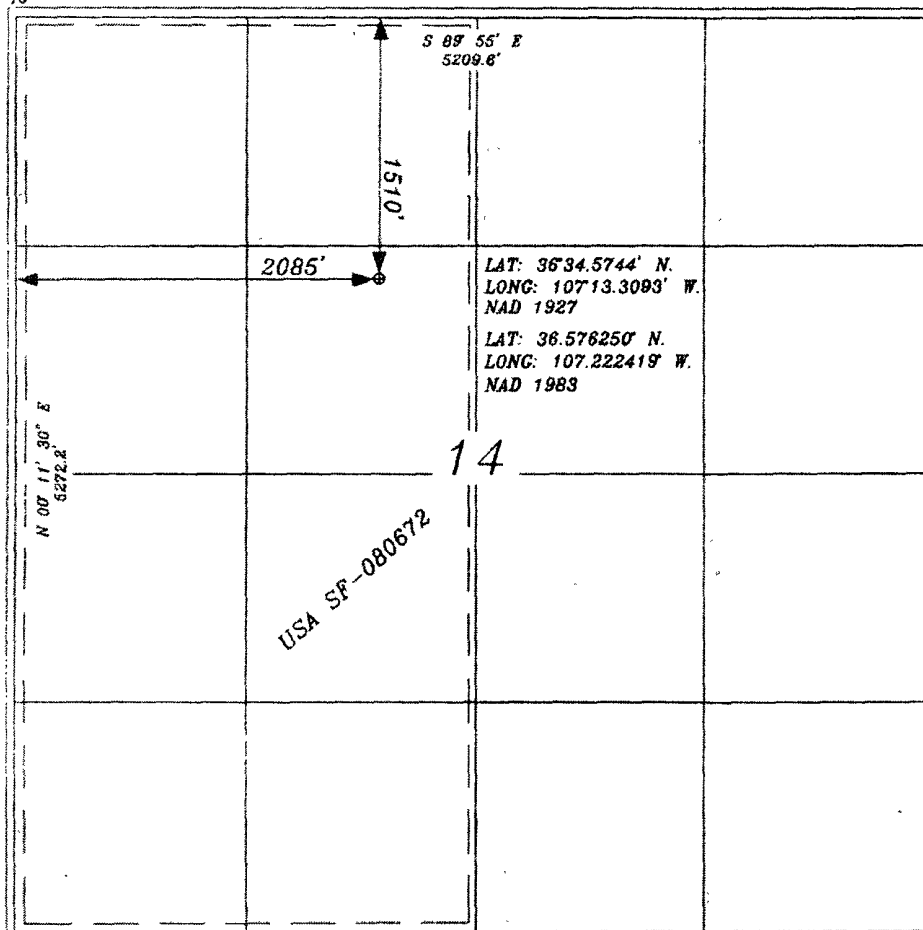
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	27-N	4-W		1510'	NORTH	2085'	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
F									
12 Dedicated Acres 320.00W/2			13 Joint or Infill		14 Consolidation Code		15 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.

Sasha Spangler
Signature
Sasha Spangler 09-28-07
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.

9-26-07
Date of Survey
Signature and Seal of Professional Surveyor
15703
Certificate Number
15703

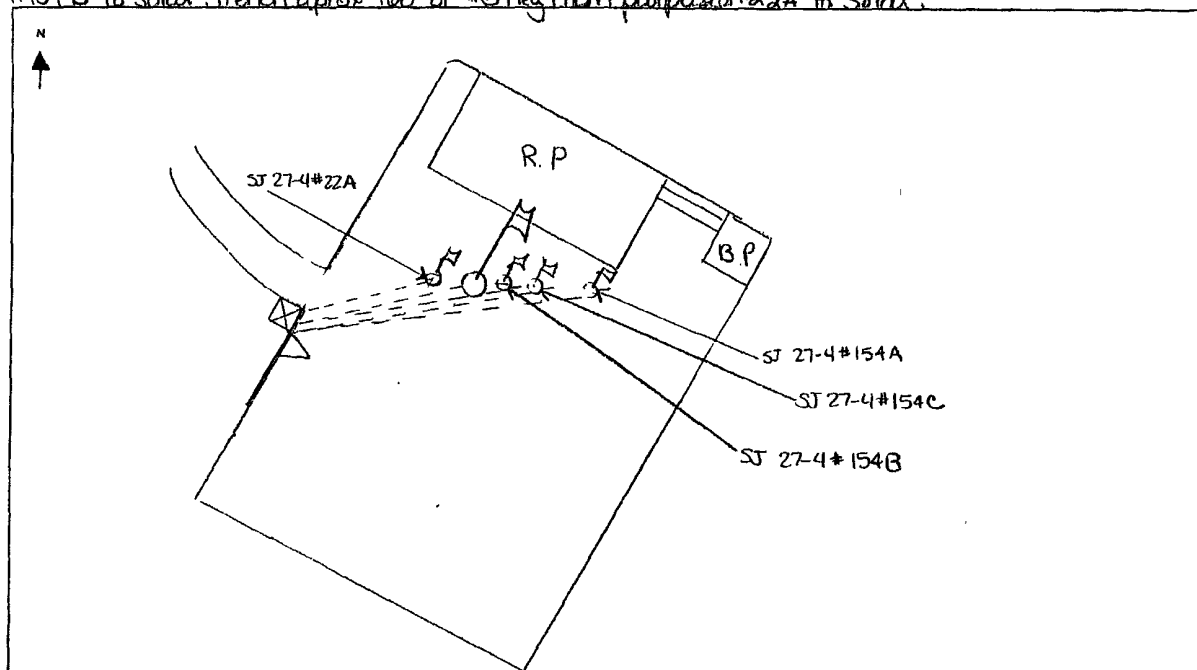


TECHNICAL SERVICES
A BOARD CERTIFIED COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 #22C LEGALS E-14-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB and set 1 well solar on W edge of location. Trench approx 210' of #8 neg from proposed #22C to solar. Trench approx 310' of #8 neg from proposed #154A to solar. Trench approx 310' of #8 neg from proposed #154C to solar. Trench approx 260' of #8 neg from proposed #154B to solar. Trench approx 160' of #8 neg from proposed #22A to solar.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: solar in forest / Solar must be able to maintain 5 wells put GB
+ solar on well drilled first.

NEAREST POWER SOURCE _____ DISTANCE: _____
PIPELINES IN AREA: _____

TECHNICIAN: Michelle Hingerson DATE: 10/21/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

Handwritten signature

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 22C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7261		AFE \$: 574,164.09	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)

Location: Surface		Datum Code: NAD 27		St. Depth Hole:	
Latitude: 36.576240	Longitude: -107.221821	X:	Y:	Section: 14	Range: 004W
Footage X: 2085 FWL	Footage Y: 1510 FNL	Elevation: 7131 (FT)	Township: 027N		
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 7143	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6943	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	3440	3703	☐			
KIRTLAND	3653	3490	☐			
FRUITLAND COAL	3871	3272	☐			
PICTURED CLIFFS	4031	3112	☐			
LEWIS	4188	2955	☐			
Intermediate Casing	4288	2855	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 966 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4578	2565	☐			
CHACRA	4993	2150	☐			
MASSIVE CLIFF HOUSE	5748	1395	☐	810	Gas	
MENEFEE	5858	1285	☐			
MASSIVE POINT LOOKOUT	6203	940	☐			
Total Depth	6503	640	☐			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 307 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR/CBL. Est bottom perf: ~50' above TD.	

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

Directions from the Post Office
In Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 27-4 UNIT 22C
1510' FNL & 2085' FWL,
Section 14, T27N, R4W, N.M.P.M., Rio Arriba County,
New Mexico

Latitude: 36.576250° N

Longitude: 107.222419° W

Nad 83

Take Highway 64 East for 27.6 miles
Turn right (southerly) on General American for 1.1 miles,
Turn right (southerly) 3.4 miles to the
Four Corners Intersection,
Continue straight (southerly) 3.9 miles,
Turn left (southeasterly) @ y-intersection 3.6 miles,
Turn right (southerly) 0.5 miles,
Turn left (southerly) 0.7 miles across Cotton Wood Crossing,
Turn left (easterly) 1.8 miles,
Stay left (northerly) @ y-intersec 0.7 miles,
Stay right (easterly) 1.1 miles, around water hole,
Turn right (southeasterly) 0.6 miles,
Turn left (easterly-southeasterly) on forest road 315 6.0 miles,
To forest road 314,
Turn left (northerly) on forest road 314 through
Ahogadero Canyon 2.6 miles,
Turn right (northeasterly) 1.0 miles,
To beginning on new access on right (south) side of road,
Which continues 1515' to the newly staked location.