

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-080670 Unit Reporting Number NMNM-784688-DK	
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 A(NENE), 971' FNL & 348' FEL Surf: Latitude 36° 32 55.74000N Longitude 107° 17 01.85000 W	9. Well Number #53E 10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 30, T27N, R4W API # 30-039- 30354	
14. Distance in Miles from Nearest Town 60 mile/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 348'	17. Acres Assigned to Well 320 (E/2)	
16. Acres in Lease 2564.720	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 550' from San Juan 27-4 53	22. Approx. Date Work will Start 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	
19. Proposed Depth 8442' MD	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	
21. Elevations (DF, FT, GR, Etc.) 7155' GL	Date 9-7-07	
23. Proposed Casing and Cementing Program See Operations Plan attached		

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 10/21/08

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

OCT 24 2008

This action is subject to technical and procedural review pursuant to 43 CFR 3165.1 and appeal pursuant to 43 CFR 3165.4

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

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

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 10-039-30354		² Pool Code 71599	³ Pool Name BASIN DAKOTA (GAS)
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT		⁶ Well Number 53E
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS COMPANY LP		⁹ Elevation 7155.0'

¹⁰ SURFACE LOCATION

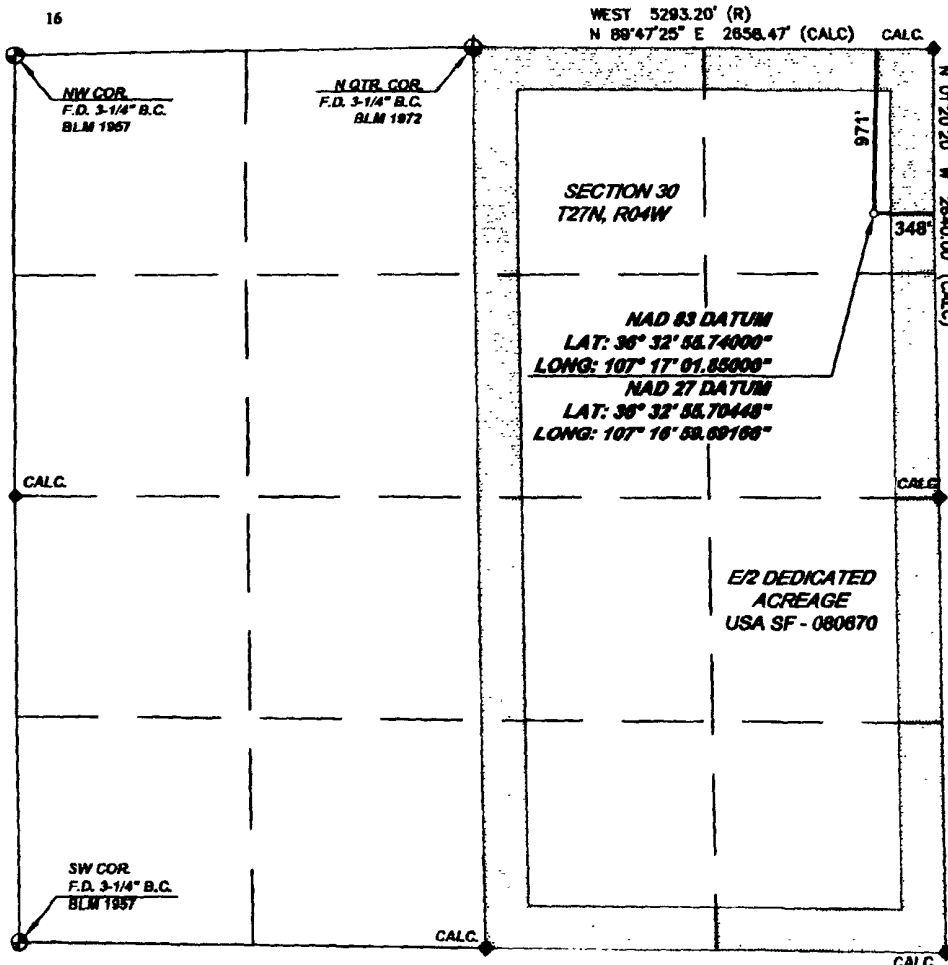
UL or lot no. A	Section 30	Township 27-N	Range 04-W	Lot Idn	Feet from the 971	North/South line NORTH	Feet from the 348	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.0	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

**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.

Tracey N. Monroe

Signature Tracey N. Monroe

Printed Name

Regulatory Assistant

Title and E-mail Address

September 11 2006

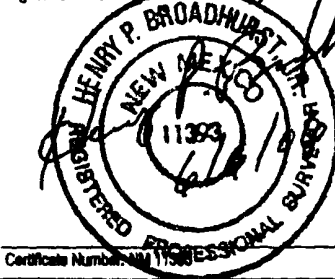
Date

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: 5/27/06

Signature and Seal of Professional Surveyor:



submitted in lieu of Form 3160-5
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 15 2008

Bureau of Land Management
Farmington Field Office

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

BURLINGTON
RESOURCES

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit A (NENE), 971' FNL & 348' FEL, Sec. 30, T27N, R4W, NMPM

5. Lease Number
USA SF-080670
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
San Juan 27-4 Unit
8. Well Name & Number
San Juan 27-4 Unit 53E
9. API Well No.
30-039- 30354
10. Field and Pool
Basin Dakota
11. County and State
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging <input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair <input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing <input type="checkbox"/> Conversion to Injection

X Other - C102 PKG w/correct footages

13. Describe Proposed or Completed Operations

Burlington Resources would like to submit the following attached paperwork with the correct footages to match the plat and APD. Please see attached Topo map, cut&fill diagram, and directions to location.

14. I hereby certify that the foregoing is true and correct.

Signed Sasha Spangler Sasha Spangler Title Regulatory Technician Date 02/15/08

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AFM

Date 10/21/08

CONDITION OF APPROVAL, if any:

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

NMOCD

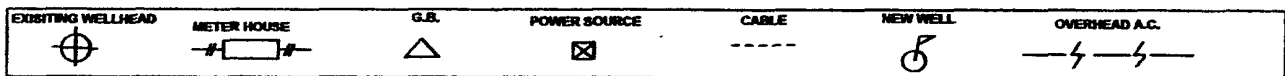
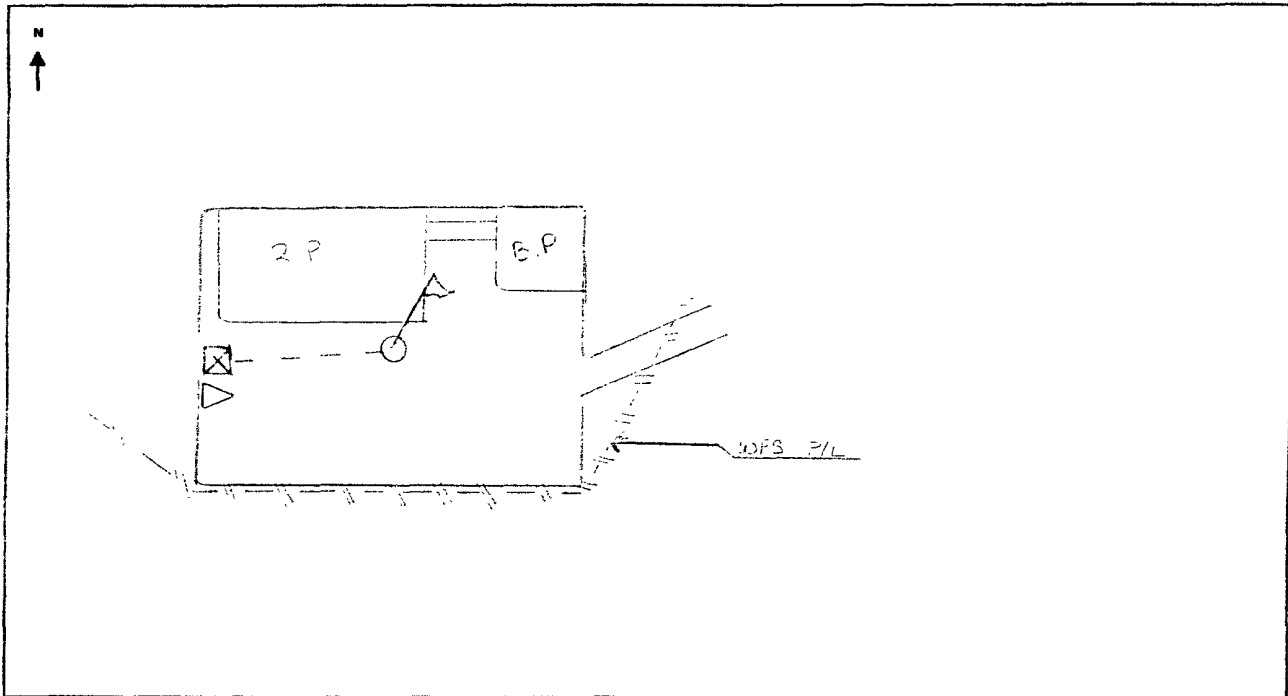


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME S.J. 27-4 #53E LEGALS A-50-27-4 COUNTY Do Arriba

PURPOSED C.P. SYSTEM: Drill G.B. and set solar at west edge of location. Trench
approx. 110' at #3 reg. mile from solar to wellhead.



COMMENTS: WFS pipeline with 100' of ground bed placement / set solar in
forest area.

NEAREST POWER SOURCE NA DISTANCE: _____

PIPELINES IN AREA: WFS

TECHNICIAN: John H. King DATE: 9/25/01

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 53E

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.6950		AFE \$: 664,118.32	
Field Name: hBR SAN JUAN 27-4 UNIT		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.548807	Longitude: -107.283248	X:	Y:	Section: 30	Range: 004W
Footage X: 348 FEL	Footage Y: 971 FNL	Elevation: 7155	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
Formation Data: Assume KB = 7167 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6967	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 159 cuft. Circulated Cmt to surface.
OJO ALAMO	3435	3732	<input type="checkbox"/>			
KIRTLAND	3599	3568	<input type="checkbox"/>			
FRUITLAND	3658	3509	<input type="checkbox"/>			
PICTURED CLIFFS	4032	3135	<input type="checkbox"/>			
LEWIS	4244	2923	<input type="checkbox"/>			
Intermediate Casing	4344	2823	<input type="checkbox"/>			8-3/4" hole, 7" 20 ppf, J-55, STC casing. Cement w/ 979 cuft. Circulated Cmt to surface.
HUERFANITO BENTONITE	4531	2636	<input type="checkbox"/>			
CHACRA	4990	2177	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5605	1562	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5745	1422	<input type="checkbox"/>			
MENEFEE	5812	1355	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	6200	967	<input type="checkbox"/>			
MANCOS	6691	476	<input type="checkbox"/>			
UPPER GALLUP	7339	-172	<input type="checkbox"/>			
GREENHORN	8124	-957	<input type="checkbox"/>			
GRANEROS	8182	-1015	<input type="checkbox"/>			
TWO WELLS	8205	-1038	<input type="checkbox"/>	1950		
UPPER CUBERO	8333	-1166	<input type="checkbox"/>			
LOWER CUBERO	8379	-1212	<input type="checkbox"/>			20' deeper than 27-4 #53
OAK CANYON	8422	-1255	<input type="checkbox"/>			
ENCINAL	8442	-1275	<input type="checkbox"/>			TD T/ENCN
Total Depth	8442	-1275	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5 ppf, J-55, STC casing. Cement w/ 558 cuft. Circulated Cmt to surface.

20/23 lb/ft

100' above Intermediate casing point

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 27-4 Unit 21	NE 30-27n-04w

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 53E

DEVELOPMENT

Intermediate	SJ 27-4 Unit 53	NE 30-27n-04w
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Logging Program:

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

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

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 27N04W30NE2 - Estimated Bottom perf 8417

Zones - DK 27N04W30NE2

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #53E
971' -980' FNL, 340' FEL 348'
SECTION 30, T27N, R04W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
ELEV. 7,155' NADV88

DRIVING DIRECTIONS FROM BLOOMFIELD N.M. AT INTERSECTION HWY 550 AND 64. TRAVEL EAST ON HWY 64 TO MILE POST 101.1, TURN RIGHT AT "GOBENADOR TURNOFF". APPROX. 36.4 MILES FROM BLOOMFIELD. FROM THIS TURN GO:

- AT 1.0 MILES TO -Y- AND BEAR RIGHT ON "GENERAL AMERICAN" ROAD.
- AT 1.3 MILES CROSS CATTLE GUARD,
- AT 3.4 MILES CROSS CATTLE GUARD,
- AT 3.9 MILES CROSS CATTLE GUARD,
- AT 4.4 MILES ROAD INTERSECTION STAY STRAIGHT
- AT 5.4 MILES CROSS WASH AND CONTINUE AT TWIN PEAKS SIGN,
- AT 7.1 MILES CROSS CATTLE GUARD,
- AT 8.3 MILES TO -Y- STAY LEFT. AT SPEED SIGN,
- AT 9.5 MILES TO -Y- STAY LEFT,
- AT 10.5 MILES CROSS CATTLE GUARD,
- AT 11.3 MILES SPEED SIGN,
- AT 11.8 MILES CROSS CATTLE GUARD
- AT 14.7 MILES TURN RIGHT AND CROSS CEREZA WASH,
- AT 14.9 MILES ACROSS WASH, -Y-, STAY RIGHT ON FORREST ROAD SIGN 357 CONTINUE FROM RIGHT TURN ACROSS WASH,
- AT 15.9 MILES CROSS CATTLE GUARD AND STAY RIGHT,
- AT 16.7 MILES STAY LEFT AT FR 357 SIGN, NOW ENTERING JARAMILLO CANYON,
- AT 16.9 MILES CROSS CATTLE GUARD AND SECTION LINE FENCE,
- AT 19.3 MILES BEGIN TO CLIMB OUT OF CANYON,
- AT 19.9 MILES TOP OF CANYON AT FR 357 SIGN,
- AT 20.4 MILES FR 316 SIGN,
- AT 21.0 MILES STAY LEFT,
- AT 21.2 MILES LOCKED GATE,
- AT 21.5 MILES STAY LEFT,
- AT 22.0 MILES STAY LEFT,
- AT 22.2 MILES STAY RIGHT,
- AT 22.3 MILES ENTER WELL PAD AND STAY LEFT THRU PAD,
- AT 22.7 MILES STAY RIGHT, NOTE " DITCH GRADING PROHIBITED" SIGN,
- AT 22.8 MILES STAY RIGHT,
- AT 23.0 MILES TURN RIGHT (NORTHEASTERLY) AT -Y- IN ROAD,
- AT 23.1 MILES TURN LEFT (NORTHWESTERLY), STOP AT 23.5 MILES. BEGIN ACCESS ROAD AND PIPELINE SURVEY TO SJ 27-4 #53E WELL. WELL SITE IS APPROXIMATELY 1300' WESTERLY.