

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 19 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number NM-019403 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-8 A 9. Well Number 100	
4. Location of Well Surface: Unit O(SWSE), 943' FSL & 1518' FEL Surface: Latitude: 36.56919° N (NAD83) Longitude: 107.64825° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 14, T27N, R8W API # 30-045-35216	
14. Distance in Miles from Nearest Town 23 Miles from Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 943'	17. Acres Assigned to Well 320 E/2	
16. Acres in Lease 320	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 844' from San Juan 27-8 A 1 (PC)	
19. Proposed Depth 3093'	20. Rotary or Cable Tools Rotary	RCVD DEC 6 '10 OIL CONS. DIV. DIST. 3
21. Elevations (DF, FT, GR, Etc.) 6642' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>11-17-10</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montezuma

TITLE ARM

DATE 12/3/2010

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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 2

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

JAN 05 2011

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

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

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

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

DISTRICT II
1301 W. 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

Form C-102
Revised October 12, 2005

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

Farmington Field Office
Bureau of Land Management

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-352110		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 7456	*Property Name SAN JUAN 27-8 A		*Well Number 100
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6642'

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
0	14	27N	8W		943'	SOUTH	1518'	EAST	SAN JUAN

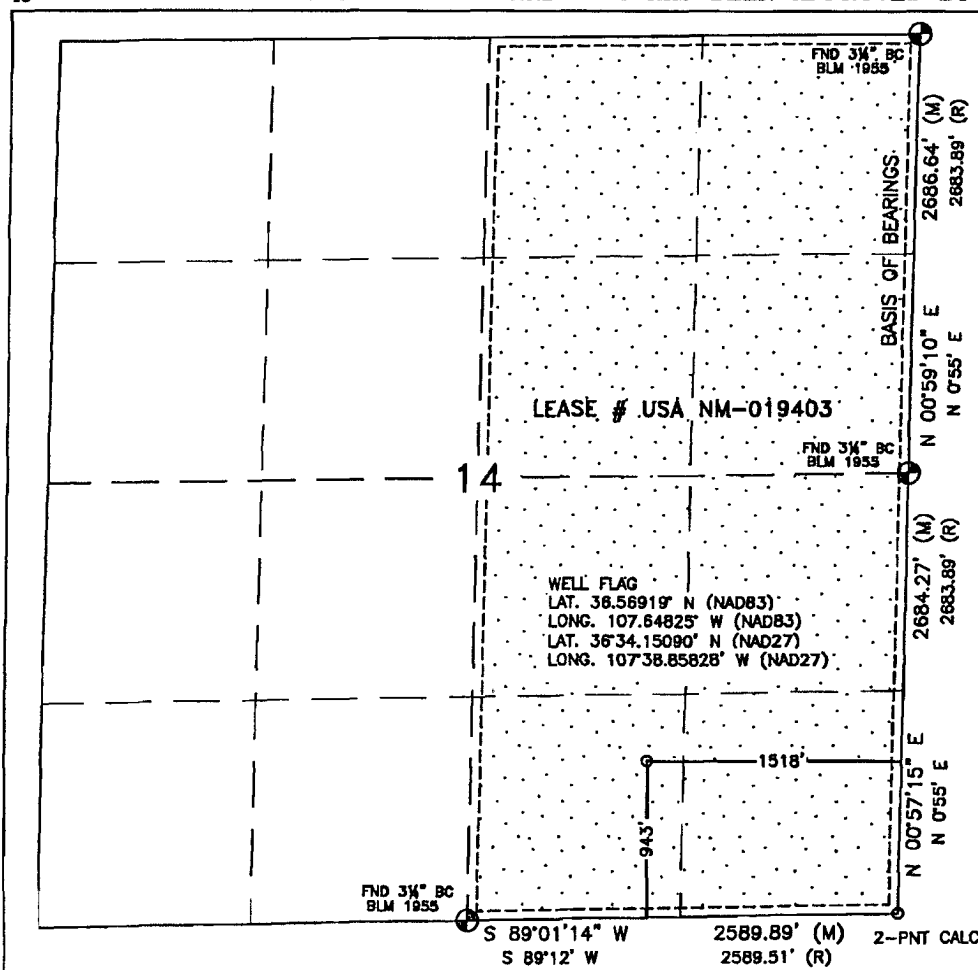
11 Bottom Hole Location If Different From Surface

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

*Dedicated Acres 320.00 ACRES - E/2	*Joint or Infill	*Consolidation Code	*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

18



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 or a compulsory pooling order heretofore entered by the division.

[Signature]
Signature Date 7/26/10

Dollie L. Busse

Printed Name

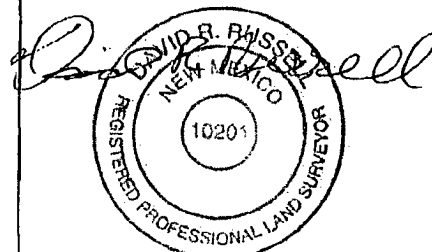
18 SURVEYOR CERTIFICATION

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.

MARCH 29, 2010

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

pc

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-8 A 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0009		AFE \$: 561,510.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code NAD 27 Straight Hole

Latitude: 36.569181	Longitude: -107.647640	X:	Y:	Section: 14	Range: 008W
Footage X: 1518 FEL	Footage Y: 943 FSL	Elevation: 6642 (FT)	Township: 027N		

Tolerance:

Location Type: Restricted	Start Date (Est.): 1/1/2013	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6657 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6537		☐			8-3/4" hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
NACIMIENTO	565	6092		☐			
OJO ALAMO	2079	4578		☐			
KIRTLAND	2188	4469		☐			
FRUITLAND	2486	4171		☐			Gas
FRUITLAND COAL	2712	3945		☐			
PICTURED CLIFFS	2893	3764		☐	169		Gas; TD - 200' below T/PCCF
Total Depth	3093	3564		☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 475 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Federal E 2	27N 8W 23 NE SW NE
Production	Marron W N Federal 8	27N 8W 23 NW SE NE
Production	Federal E 3A	27N 8W 13 SW NE SW

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

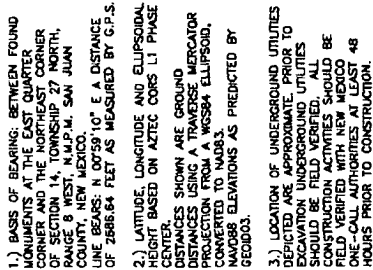
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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WELL FLAG

SAN JUAN 27-8 A #100

943' FSL & 1518' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 14,
T27N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6642', NAVD 88
FINISHED PAD ELEVATION: 6640.0', NAVD 88



NOTE: RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES. CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS BEFORE CONSTRUCTION.

**SLOPES TO BE CONSTRUCTED TO
MATCH THE ORIGINAL CONTOURS
AS CLOSE AS POSSIBLE**

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637

...PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-8 A #100

943' FSL & 1518' FWL

LOCATED IN THE SW/4 SE/4 OF SECTION 14,

T27N, R8W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HWY 64 FOR 1.5 MILES TO C.R. 4450 (LARGO CANYON).
- 2) TURN RIGHT ONTO C.R. 4450 AND TRAVEL 4.0 MILES.
- 3) TURN LEFT (CUTTER DAM) AND TRAVEL 5.7 MILES.
- 4) TURN RIGHT, CROSSING CARRIZO CANYON CREEK, AND TRAVEL 7.5 MILES TO THE TOP OF GOULD PASS.
- 5) TURN LEFT AND TRAVEL 0.5 MILES.
- 6) TURN RIGHT AND TRAVEL 0.5 MILES DOWN A STEEP HILL.
- 7) TURN RIGHT AND TRAVEL 1.2 MILES.
- 8) TURN LEFT AND TRAVEL 1.0 MILES TO A "Y" INTERSECTION.
- 9) STAY RIGHT AND TRAVEL 0.8 MILES TO AN EXISTING WELL LOCATION.
- 10) TRAVEL 635' ALONG A 2-TRACK TO PROPOSED WELL PAD.

WELL FLAG LOCATED AT LAT. 36.56919° N, LONG. 107.64825° W (NAD 83).

