

RCVD MAR 9 07

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3:52

1a. Type of Work DRILL	5. Lease Number USA SF-078943-1A Unit Reporting Number 210 FARMINGTON NM
1b. Type of Well GAS	6. If Indian, All. or Tribe NANM-784178-1A NANM-784178-1A
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit 9. Well Number #101M
4. Location of Well Unit I (NESE), 2135' FSL & 30' FEL, Latitude 36° 739105'N Longitude 107° 603429 'W	10. Field, Pool, Wildcat Blanco Mesa Verde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 7, T29N, R7W API # 30-039-30212
14. Distance in Miles from Nearest Town 15.5 miles to Blanco, NM	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 30'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well 320 E2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 7507'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6249' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTIFY AZTEC OCD 24 hrs IN TIME TO WITNESS 1699 Cement
24. Authorized by: <u>Therese Rogers</u> Regulatory Technician	3-1-07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

NMOC

A 3/13/07

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".

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

John H. Russell
Certificate Number 15703

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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 and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 30212

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA SF-078943-A

7. Lease Name or Unit Agreement Name

SAN JUAN 29-7 UNIT

8. Well Number

101M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde / Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 2135' feet from the South line and 30' feet from the East line
Section 7 Township 29N Range 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6249'

Pit or Below-grade Tank Application

☒ or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

Pit Liner Thickness:

N/A

mll

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill ☒OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit, vent/flare pit and pre-set mud pit will be unlined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Kandis Roland

TITLE

Regulatory Technician

DATE

2/26/2007

Type or print name

Kandis Roland

E-mail address:

kburns@brc-inc.com

Telephone No.

505-326-9743

For State Use Only

APPROVED BY

[Signature]

TITLE

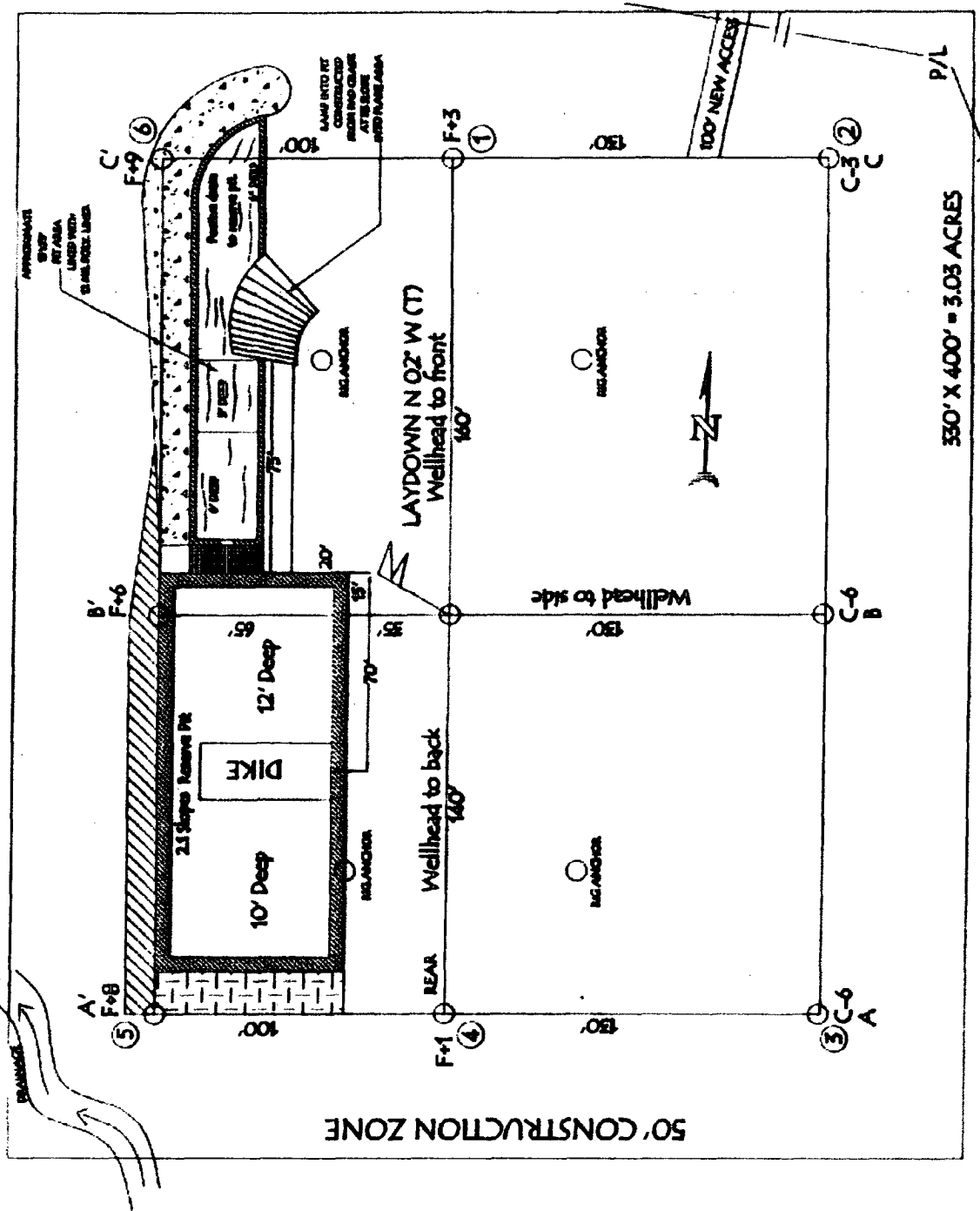
DEPUTY OIL & GAS INSPECTOR, DIST. III

DATE

MAR 13 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN 29-7 UNIT 101M, 2135' FSL & 30' FEL SECTION 7, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM GROUND ELEVATION: 6249', DATE: NOVEMBER 7, 2006



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 5' WIDE AND 1' ABOVE SHALLOW SIDE)

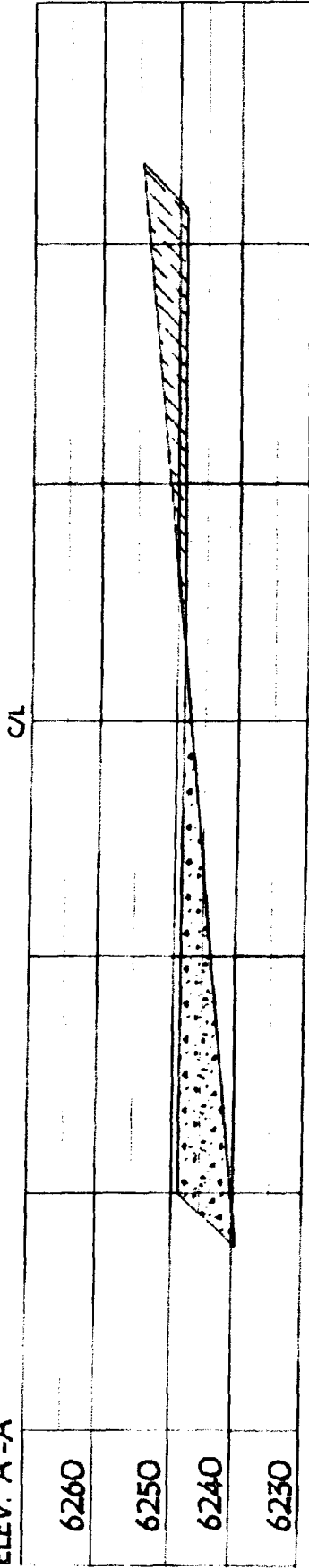
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

LATITUDE: 36° 44.3465' N LONGITUDE: 107° 36.2057' W NAD27

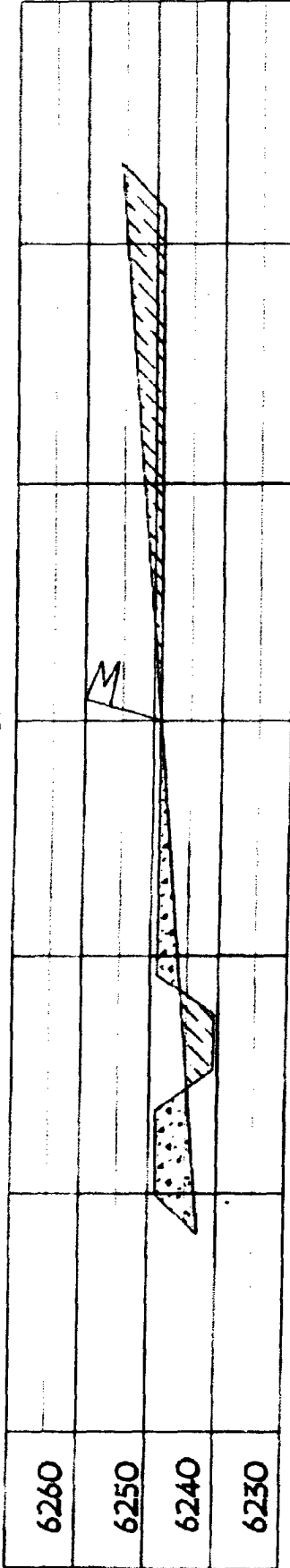
330' X 400' = 3.03 ACRES

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 101M, 2135' FSL & 30' FEL
 SECTION 7, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6249', DATE: NOVEMBER 7, 2006

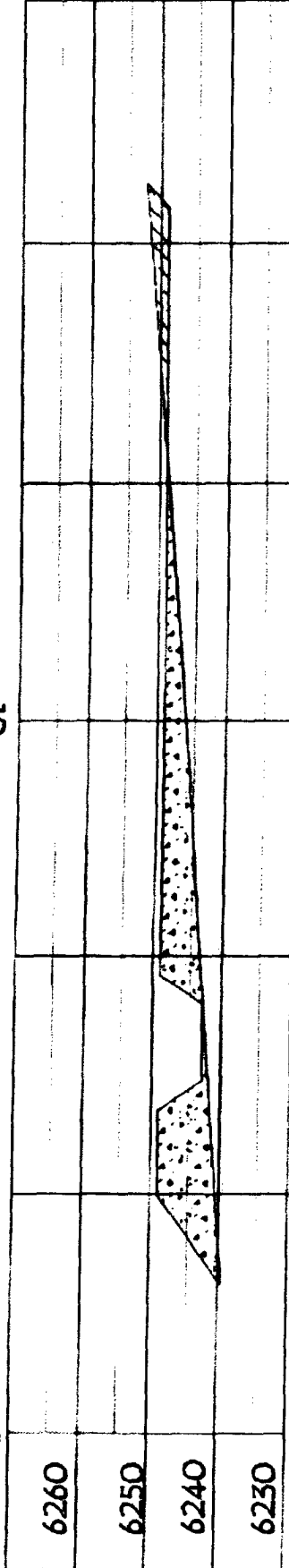
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 101M

Lease:		AFE #: WAN.CDR.7027		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer: Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.739099	Longitude: -107.602820	X:	Y:	Section: 07	Range: 007W
Footage X: 30 FEL	Footage Y: 2135 FSL	Elevation: 6249 (FT)	Township: 029N		

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6261 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6045	☐			12-1/4". 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJAM	2036	4225	☐			Possible water flows.
KRLD	2204	4057	☐			
FRLD	2631	3630	☐			Possible gas.
T/FRUITLAND COAL	2836	3425	☐			
PCCF	3052	3209	☐			
LEWS	3197	3064	☐			
Intermediate Casing	3297	2964	☐			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 742 cuft. Circulate cement to surface.
HURF	3673	2588	☐			
CHRA	4009	2252	☐			
UCLFH	4558	1703	☐			
CLFH	4765	1496	☐			Gas; possibly wet
MENF	4869	1392	☐			Gas.
PTLK	5186	1075	☐	400		Gas.
MNCS	5611	650	☐			
GLLP	6463	-202	☐			Gas. Possibly wet.
GRHN	7186	-925	☐	2000		Gas possible, highly fractured
GRRS	7239	-978	☐			
TWLS	7295	-1034	☐			Gas
PAGUATE	7374	-1113	☐			
CBBO	7398	-1137	☐			Gas
CBRL	7425	-1164	☐			
ENCINAL	7487	-1226	☐			
TD	7507	-1246	☐			TD 20' below T/ENCN. 6-1/4" hole. 4-1/2". 10.5/ 11.6 ppf, J-55, STC/LTC casing. Cement with 573 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
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PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 101M

Production	SJ 29-7 #140 NW 8-29N-7W	Flat to #140 on CBRL
Production	SJ 29-7 #90A SE 5-29N-7W	BRNC penetration

Logging Program:

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

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

GR_CBL

Mudlog 100' above Greenhorn to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM029N007W07SE2 and DK 29N07W07SE1 MUDLOG from 100' above Greenhorn to TD. TD 20' below T/ ENC. see SJ 29-7 #90A SE 5-29N-7W for Burro Canyon penetration .

Zones - MVNM029N007W07SE2 and DK 29N07W07SE1