

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD APR 2 '08  
OIL CONS. DIV.  
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	207 FEB 20 PM 4:14 RECEIVED BLM 210 FARMINGTON NM	5. Lease Number NMSF-080673 Unit Reporting Number NMNM-784084-MV NMNM-784088-DK
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> 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  9. Well Number #38P
4. Location of Well Unit F (SENW), 1658' FNL & 2250' FWL,  Latitude 36° 60435278' N Longitude 107° 2928085 W		10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T27N, R4W  API # 30-039-30202
14. Distance in Miles from Nearest Town 48 miles Aztec	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1658'		
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320.84 - (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1200' San Juan 27-4 Unit #38		
19. Proposed Depth 8520'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7236' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	<u>2-19-07</u> 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.

Example Master Plan Type 3

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

APR 04 2008

NMOCB  
AL

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

2007 FEB 20 PM 4:14 Revised June 10, 2003  
Form C-102

RECEIVED  
BLM ☐ AMENDED REPORT  
210 FARMINGTON NM

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039 - 30202	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA / Blanco Mesaverde
<sup>4</sup> Property Code 7452	<sup>5</sup> Property Name SAN JUAN 27-4 UNIT	<sup>6</sup> Well Number 38P
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 7236.5

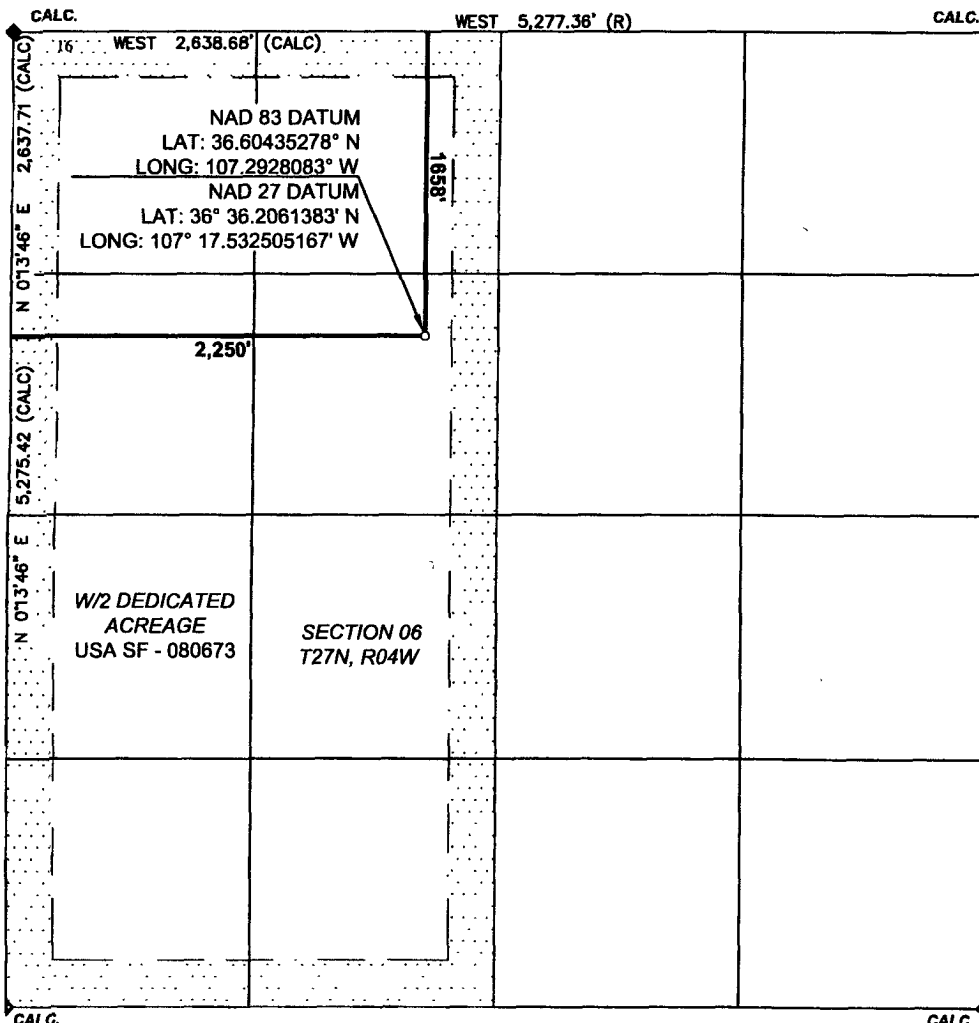
<sup>10</sup> SURFACE LOCATION

UL or lot no. F	Section 06	Township 27-N	Range 04-W	Lot Idn	Feet from the 1658	North/South line NORTH	Feet from the 2250	East/West line WEST	County RIO ARRIBA
--------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. E	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320.840 W/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>17</sup> 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.

*Patsy Clugston*  
Signature

Patsy Clugston

Printed Name

Sr. Regulatory Specialist

Title and E-mail Address

2-19-07

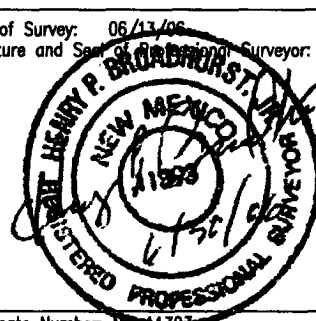
Date

<sup>18</sup> 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: 06/13/06

Signature and Seal of Registered Surveyor:



Certificate Number: NM 11893

Office  
District I

Energy, Minerals and Natural Resources

May 27, 2004

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

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 30202

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

SF-080673

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

38P

9. OGRID Number

14538

10. Pool name or Wildcat

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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter F : 1658' feet from the North line and 2250' feet from the West line  
Section 6 Township T27N Rng 4W NMPM County Rio Arriba

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

7236.5'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&gt;1000'

Pit Liner Thickness:

N/A

mil

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, Lined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit 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 lined 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

TITLE

Sr. Regulatory Specialist

DATE

8/17/2006

Type or print name

Patsy Clugston

E-mail address:

pclugston@br-inc.com

Telephone No.

505-326-9518

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

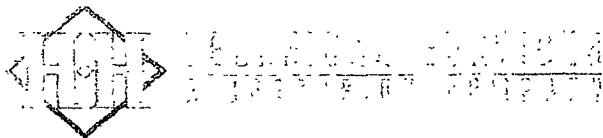
APPROVED BY

TITLE

DATE

APR 04 2008

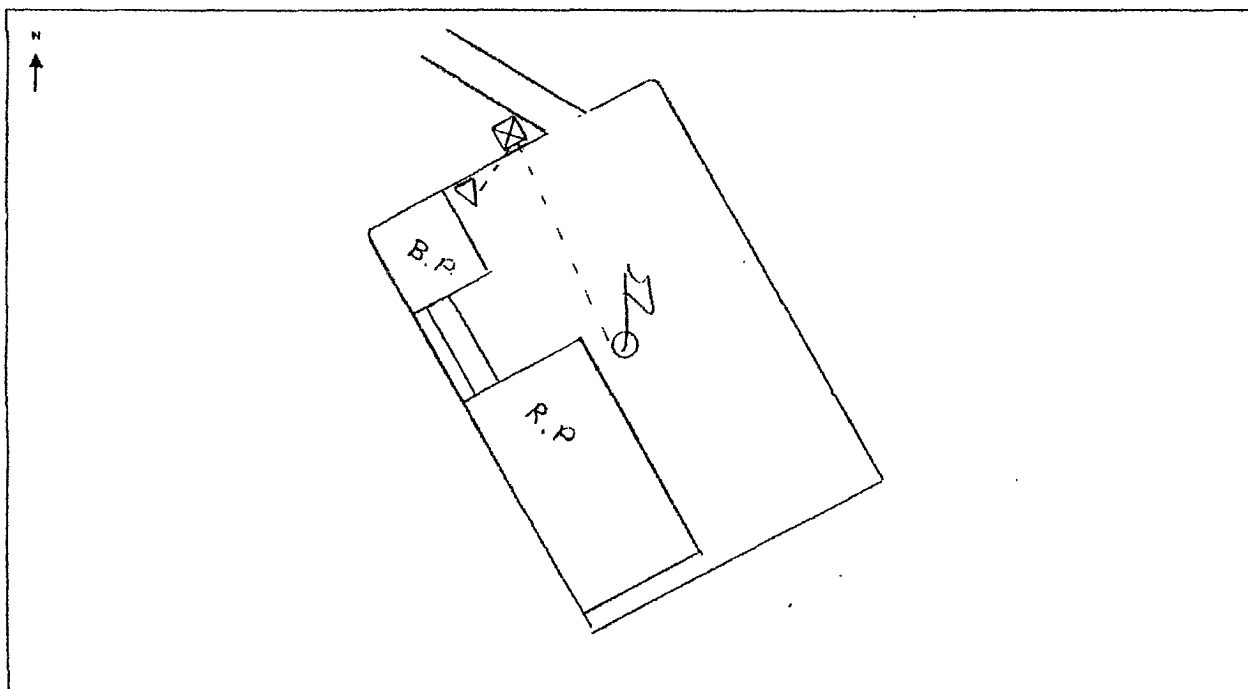
Conditions of Approval (if any):



## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 #32 P LEGALS F-6-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. on NW edge of location and set solar on outer NW edge of location. Trench approx 50' of positive cable from GB to solar. Trench approx 200' of #8 neg cable from wellhead to solar.



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

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE N/A DISTANCE: \_\_\_\_\_

PIPELINES IN AREA: N/A

TECHNICIAN: Michael Hoffman DATE: 1/9/2007

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 38P

Lease:		AFE #: WAN.ZA2.7214/7215MV		AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT	Rig: XX 2008 Restriction Wells	State: NM	County: RIO ARRIBA	API #:	
Geoscientist: Riley, Brook	Phone: +1 505-324-6108	Prod. Engineer:	Phone:		
Res. Engineer: McKee, Cory J	Phone: 505-326-9826	Proj. Field Lead:	Phone:		
<b>Primary Objective (Zones):</b>					
<b>Zone</b>	<b>Zone Name</b>				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				

<b>Location:</b> Surface		<b>Datum Code:</b> NAD 27		<b>Straight Hole</b>	
Latitude: 36.603436	Longitude: -107.292208	X:	Y:	Section: 06	Range: 004W
Footage X: 2250 FWL	Footage Y: 1658 FNL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Summer Only		Start Date (Est.):		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7249 Units = FT					

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	7033	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 203 cuft. Circulated Cmt to surface.
OJO ALAMO	3464	3785	<input type="checkbox"/>			
KIRTLAND	3646	3603	<input type="checkbox"/>			
FRUITLAND COAL	3959	3290	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	4089	3160	<input type="checkbox"/>			
LEWIS	4184	3065	<input type="checkbox"/>			
Intermediate Casing	4284	2965	<input type="checkbox"/>			8-3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 955 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4661	2588	<input type="checkbox"/>			
CHACRA	5046	2203	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5654	1595	<input type="checkbox"/>	750		Gas
MASSIVE CLIFF HOUSE	5851	1398	<input type="checkbox"/>			
MENEFEE	5916	1333	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	6244	1005	<input type="checkbox"/>			
MANCOS	6881	368	<input type="checkbox"/>			
UPPER GALLUP	7464	-215	<input type="checkbox"/>			
GREENHORN	8187	-938	<input type="checkbox"/>	2000		Gas
GRANEROS	8244	-995	<input type="checkbox"/>			
TWO WELLS	8291	-1042	<input type="checkbox"/>			
UPPER CUBERO	8393	-1144	<input type="checkbox"/>			
LOWER CUBERO	8438	-1189	<input type="checkbox"/>			Estimated bottom perf ~ 8495'
OAK CANYON	8500	-1251	<input type="checkbox"/>			
Total Depth	8520	-1271	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.50#/11.60#, J-55/N-80, STC/LTC Casing. Cement with 577 cuft. Circulated cement a minimum of 100' inside previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 27-4 38M	NW6-27N-4W
Intermediate	SJ 27-4 40	NE06-27N-4W

**PROJECT PROPOSAL - New Drill / Sidetrack**

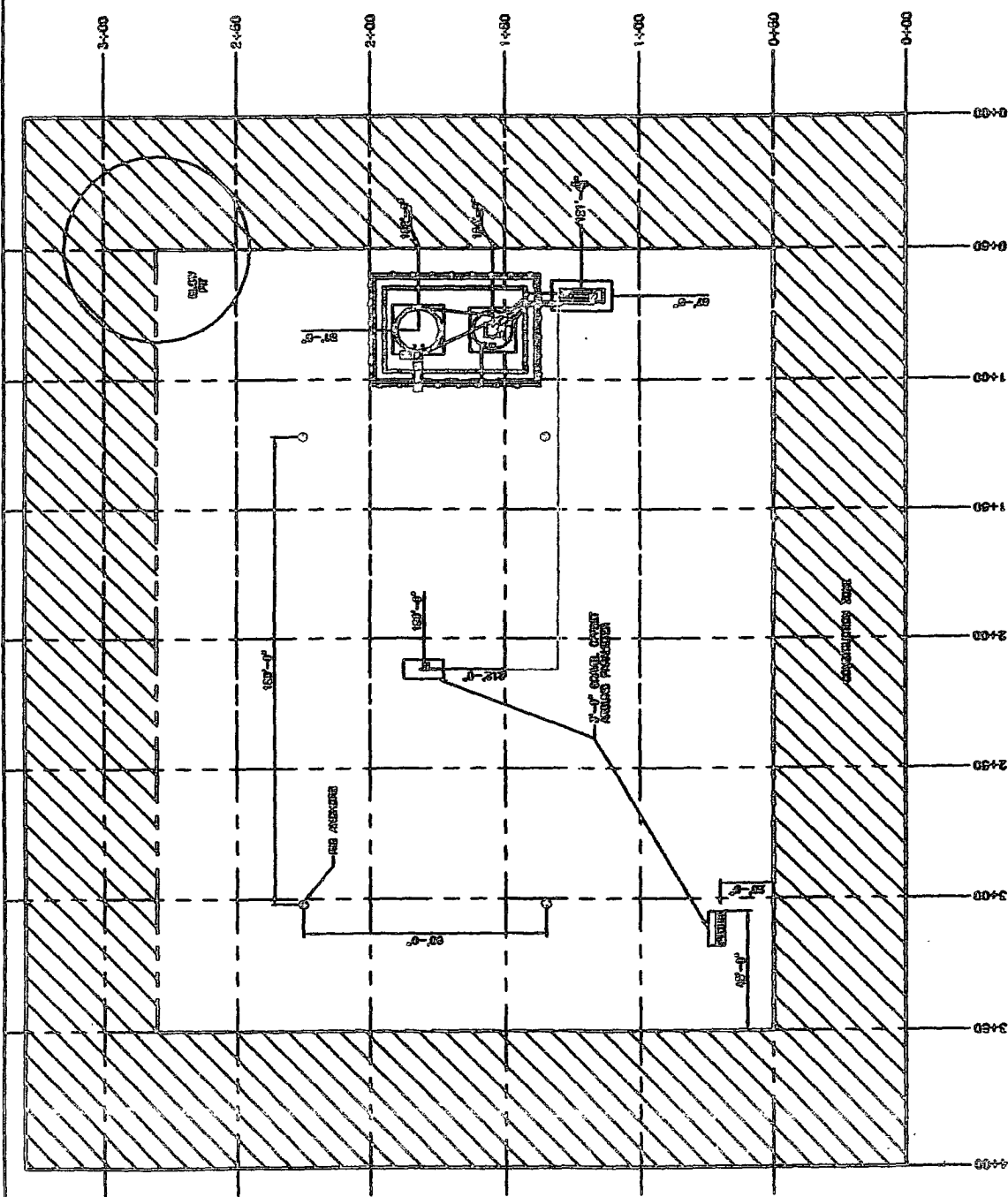
SAN JUAN 27-4 UNIT 38P

**Logging Program:**Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT

Additional Information:

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

Comments: Location/Tops/Logging - DK 27N04W06NW2 and MV 27N04W06NW2



PLAN LINE 1  
SPUR LINE

SEE SHEET 1 OF 1 FOR THE LOCATION OF THE 1\"/>

HIGH PRESSURE MESA WATER / DAMITA  
 FACILITY DESIGN - SITE LAYOUT  
 SHEET 1 OF 1  
 DATE: 10/10/00  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]

1. RESERVE PIT DIKE: TO BE 8" ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. 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.

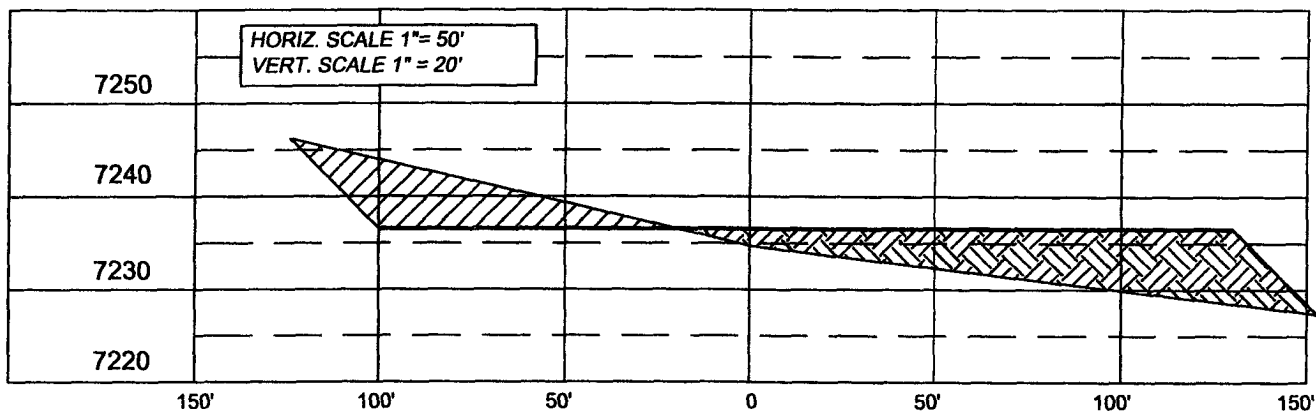


# BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 38P  
 1,658' FNL, 2,250' FWL  
 SECTION 06, T27N, R04W, N.M.P.M.,  
 RIO ARriba COUNTY, NEW MEXICO  
 ELEV.: 7,236.5' NAVD88  
 NEW ACCESS ROAD 1,404'

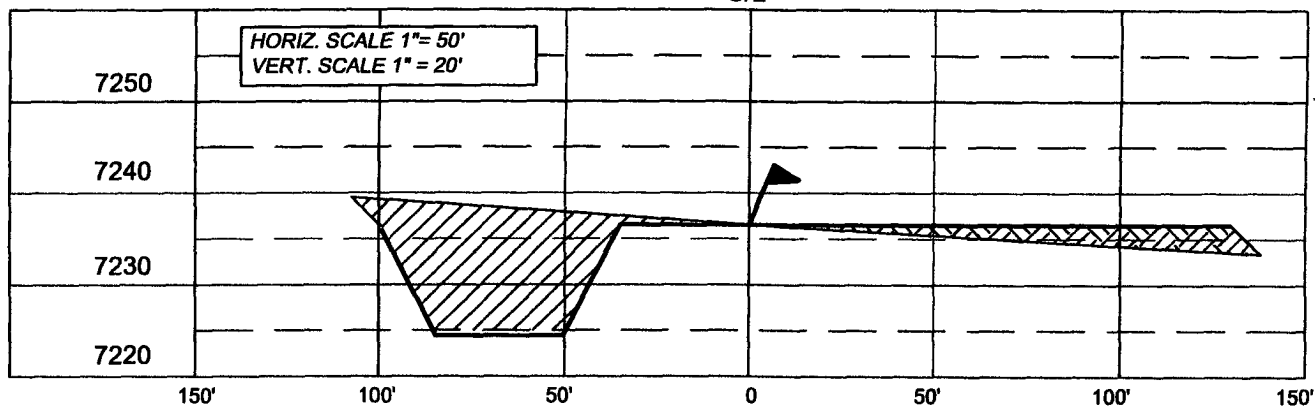
A - A'

C/L



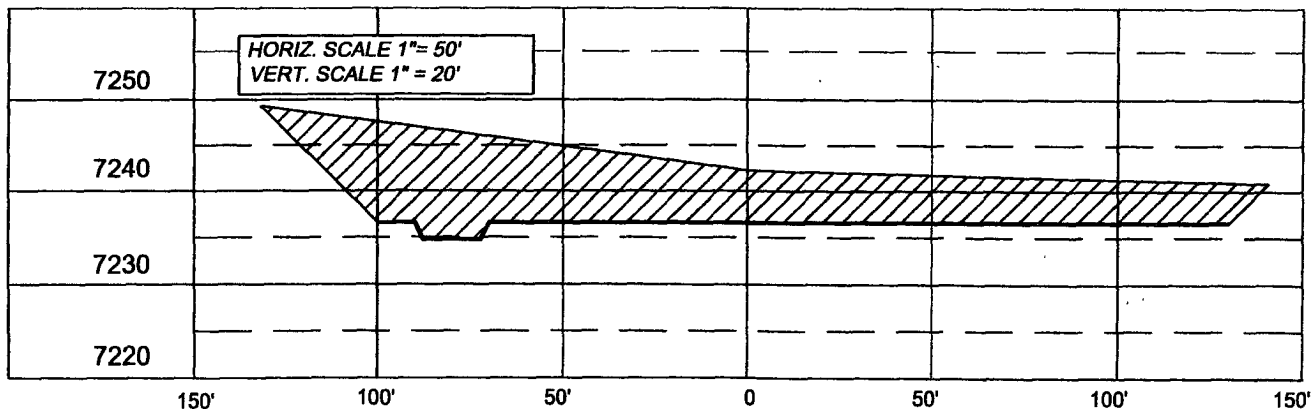
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 PRIOR TO CONSTRUCTION.

## REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE

**CCI**

1300 W. BROADWAY  
 BLOOMFIELD, NM, 87413  
 PHONE: (505) 632-7777

**CHENAULT CONSULTING INC.**