

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

OCT 22 2007

1a. Type of Work
DRILL

5. Lease Number
USA SF-007401 078461
Unit Reporting Number

1b. Type of Well
GAS

Bureau of Land Management
Farmington Field Office

6. If Indian, All. or Tribe
RCVD NOV 29 '07

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name
OIL CONS. DIV.
DIST. 3

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
Filan
9. Well Number
#5M

4. Location of Well
Surf: Unit C (NENW), 1038' FNL & 1760' FWL

10. Field, Pool, Wildcat
Basin DK/Blanco MV

Surf: Latitude 36.608377' N
Longitude 107.706839' W

Lot 3/C

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 5, T27N, R8W

API # 30-045-34474

14. Distance in Miles from Nearest Town
15 miles/Blanco

12. County
San Juan
13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1038'

16. Acres in Lease
642.720

17. Acres Assigned to Well
MV/DK 321.24 (W/2)

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
78' from Filan 3Y PC

19. Proposed Depth
6807'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6073' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

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

24. Authorized by: Sasha Spangler
Sasha Spangler (Regulatory Technician)

Date

PERMIT NO.

APPROVAL DATE



H₂S POTENTIAL EXIST

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

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CEMENT

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

NMOCD DEC 13 2007

AV

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

RECEIVED

OCT 22 2007

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

Form C-102
Revised October 12, 2005
Farming to Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34474		² Pool Code 72319/71599		³ Pool Name Basin Blanco MESAVERDE / DAKOTA	
⁴ Property Code 7018		⁵ Property Name FILAN			⁶ Well Number 5M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY			⁹ Elevation 6073

10 SURFACE LOCATION

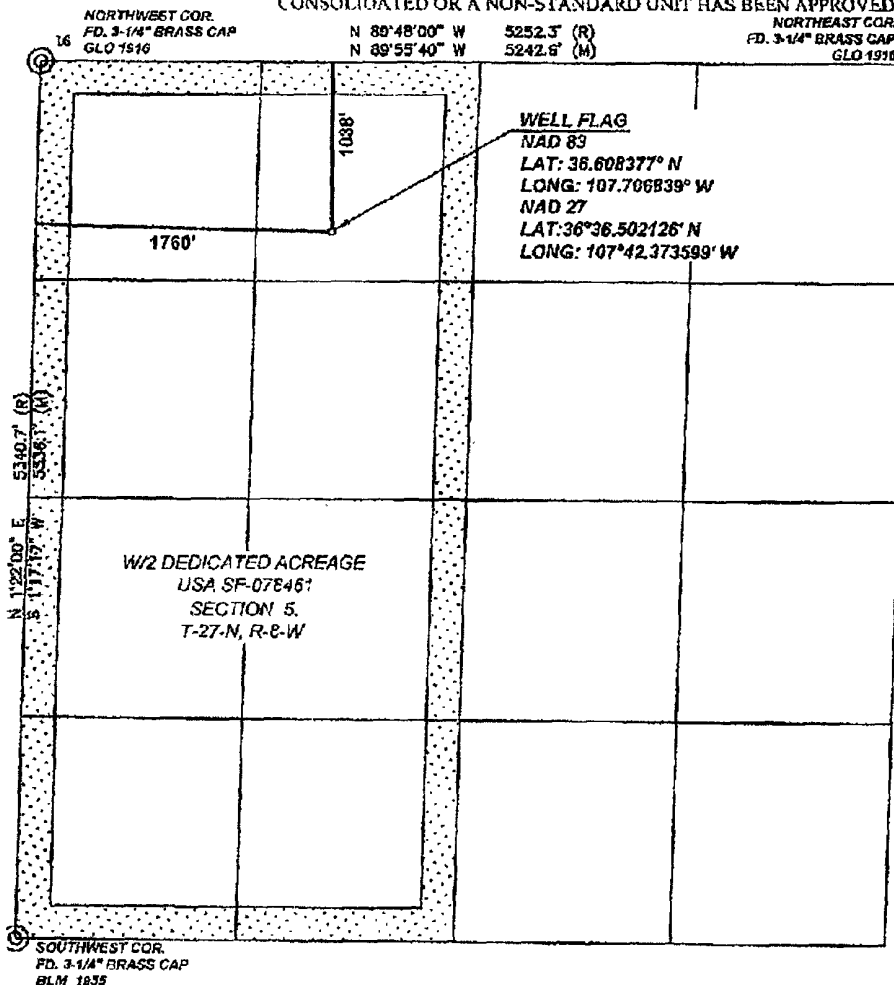
UL or lot no. C	Section 5	Township 27-N	Range 8-W	Lot No. 3	Feet from the 1038	North/South line NORTH	Feet from the 1760	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no. C	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 321.24	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.

Kandis Roland
Signature

Kandis Roland
Printed Name

Regulatory Technician
Title and E-mail Address

6/21/07
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: 5/22/07
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

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1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-34474

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-080674

7. Lease Name or Unit Agreement Name

Filan

8. Well Number

#5M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/ Basin DK

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 C : 1038 feet from the North line and 1760 feet from the West line
Section 5 Township 27N Range 8W NMPM County Rio Arriba

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

6073' GR

Pit or Below-grade Tank Application

☒ or Closure ☐Pit type New Drill Depth to Groundwater <50' Distance from nearest fresh water well>1000' Distance from nearest surface water

Pit Liner Thickness:

12

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

SUBSEQUENT REPORT OF:

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

OTHER:

New Drill Pit ☒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

Jamie Goodwin

TITLE

Regulatory Technician

DATE

10/2/2007

Type or print name
For State Use Only

Jamie Goodwin

E-mail address: joodwjl@conocophillips.com Telephone No.

505-326-9784

APPROVED BY

[Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

DEC 13 2007

Conditions of Approval (if any):

Vulnerable area, pit to be closed per Rule 50, F.1

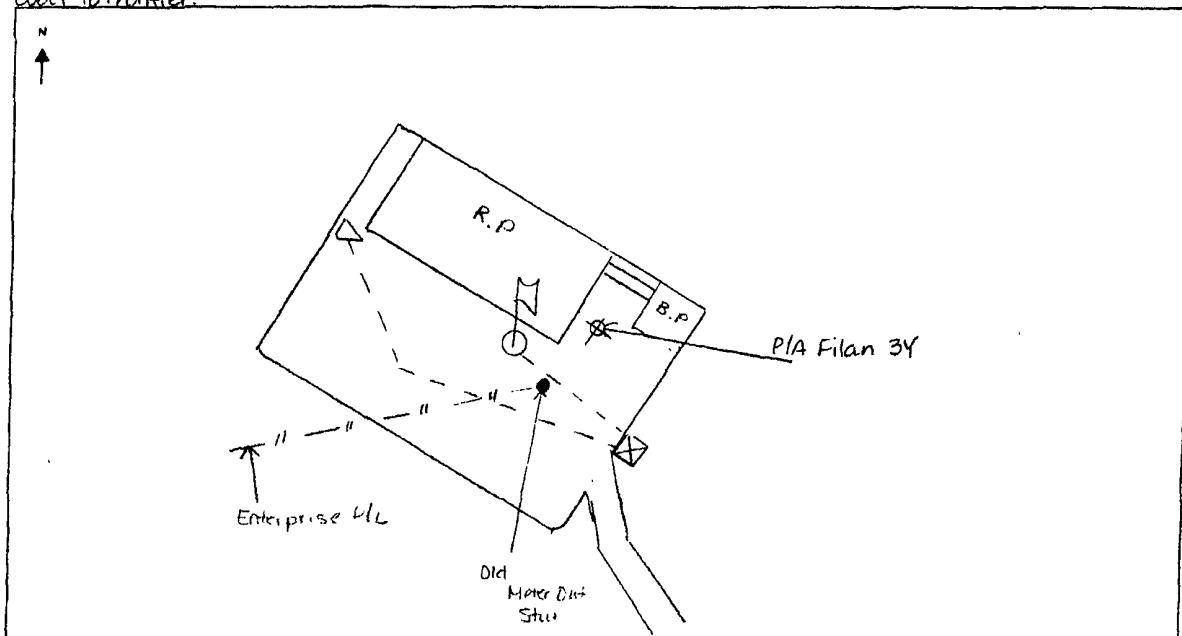


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Filan # 5M LEGALS C-5-27-8 COUNTY San Juan

PURPOSED C.P. SYSYTEM: Drill GB on NW edge of location. Set rectifier on SE edge (NE side of access road) Trench approx 1000' of AlC from existing rectifier on Filan #6 to new rectifier. Trench approx 300' of positive cable from GB to rectifier. Trench approx 175' of #8 neg cable from proposed well to rectifier.



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

COMMENTS:

NEAREST POWER SOURCE Existing Rect. on Filan # 6 DISTANCE: 1000'

PIPELINES IN AREA: Enterprise PLC

TECHNICIAN: Michael Hingore DATE: 6/27/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FILAN 5M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7167		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
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: 36.608369	Longitude: -107.706227	X:	Y:	Section: 05	Range: 008W
Footage X: 1760 FWL	Footage Y: 1038 FNL	Elevation: 6073	(FT)	Township: 027N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6085		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5885	☐		
OJO ALAMO	1345	4740	☐		
KIRTLAND	1457	4628	☐		
FRUITLAND	1993	4092	☐		Possible Gas
PICTURED CLIFFS	2283	3802	☐		
LEWIS	2433	3652	☐		
HUERFANITO BENTONITE	2807	3278	☐		
CHACRA	3230	2855	☐		
MASSIVE CLIFF HOUSE	3930	2155	☐	540	Gas
MENEFEE	3955	2130	☐		
Intermediate Casing	4105	1980	☐		
MASSIVE POINT LOOKOUT	4613	1472	☐		
MANCOS	4930	1155	☐		
UPPER GALLUP	5707	378	☐		
GREENHORN	6476	-391	☐		
GRANEROS	6534	-449	☐		
TWO WELLS	6602	-517	☐	1750	Gas
PAGUATE	6654	-569	☐		
CUBERO	6702	-617	☐		
ENCINAL	6778	-693	☐		
TOTAL DEPTH DK	6807	-722	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.					
8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 925 cuft. Circulate cement to surface.					
6-1/4" Hole. 4-1/2", 10.5 ppf, J-55 STC/LTC casing. Cement with 372 cuft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name	Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FILAN 5M

DEVELOPMENT

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 is ~20' above TD.							

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

Comments: Location/Tops/Logging - MVNM027N008W05NW1 DK 27N08W05NW1 Twin Filan 3Y (PC - P&A?), else prefer C,F, coordinate with Filan 5N, topo will be an issue.

Zones - MVNM027N008W05NW1 DK 27N08W05NW1

BURLINGTON RESOURCES OIL AND GAS COMPANY

FILAN 5M

1038' FNL, 1760' FWL

SECTION 5, T-27-N, R-8-W, N.M.P.M.,

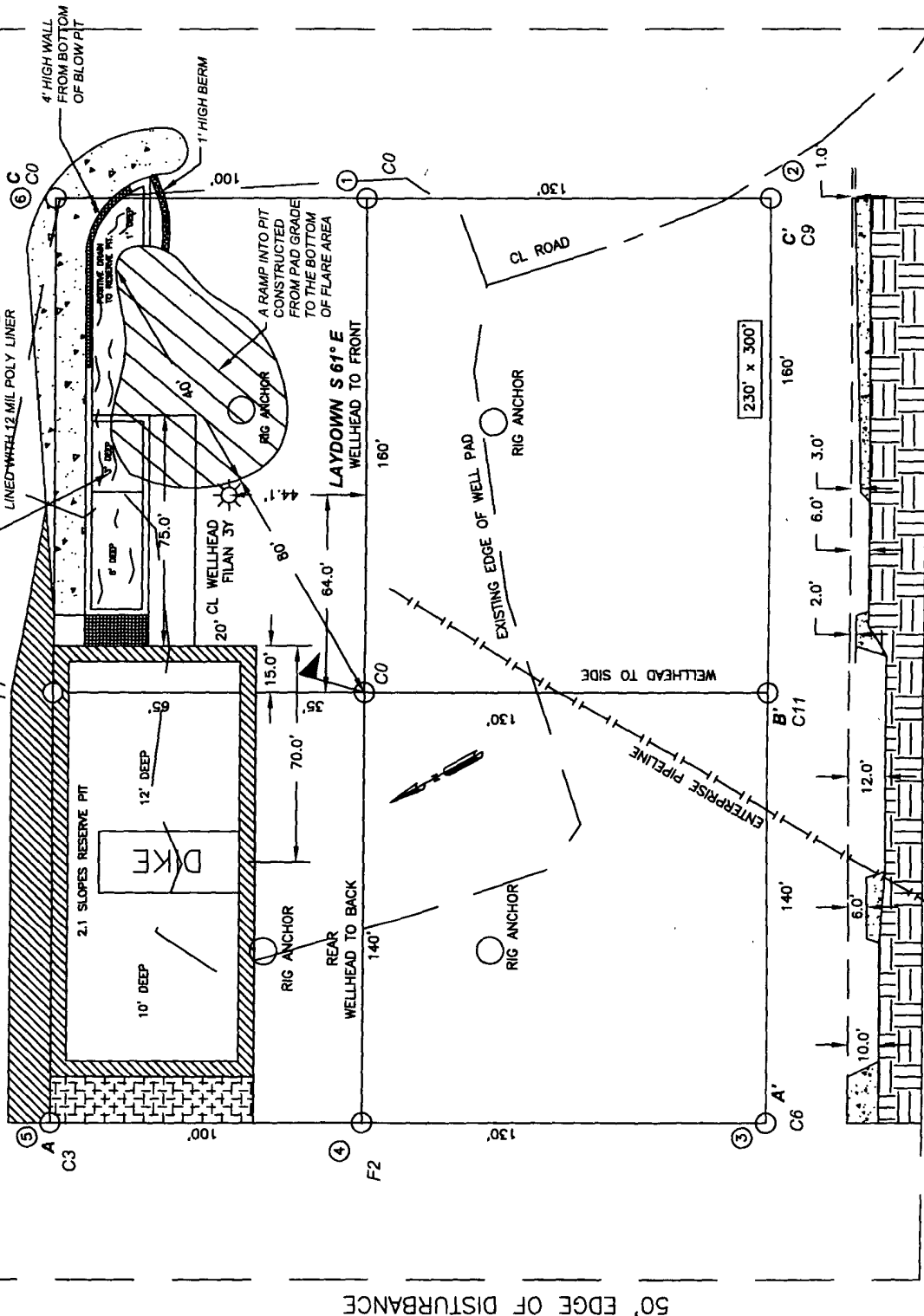
SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6073 NAVD88 DATE: MAY 22, 2007

NO NEW ACCESS

B F7

APPROXIMATE 15'X75' PIT AREA
LINED WITH 12 MIL POLY LINER



CCI

P.O. BOX 328
BLOOMFIELD, NM, 87413
CHENAULT CONSULTING INC. PHONE: (505) 325-7707

PIT CROSS SECTION

NAD 83 LAT.: 36.608377°N / LONG.: 107.706839°W

330' x 400' = 3.03 ACRES

NOTES:

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 AND GAS COMPANY

FILAN 5M

1038' FNL, 1760' FWL

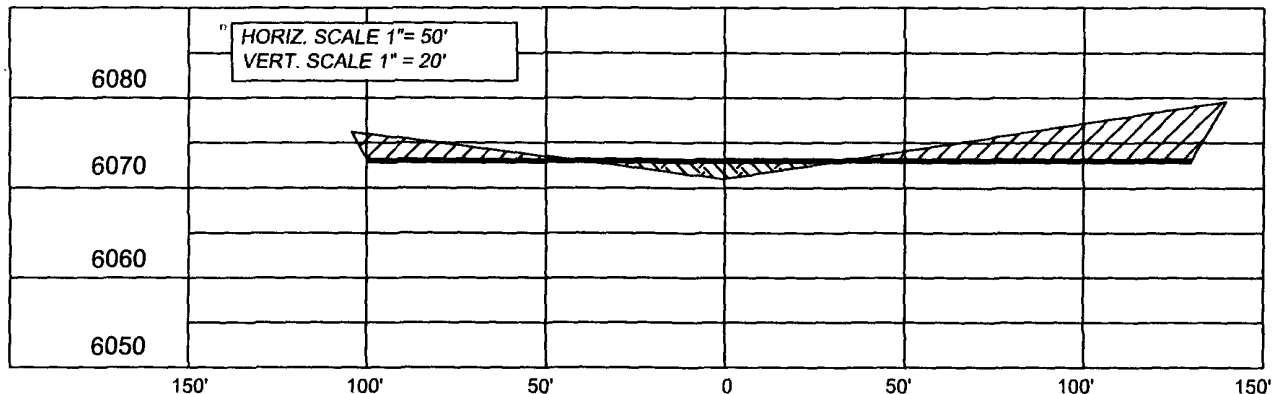
SECTION 5, T-27-N, R-8-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6073 NAVD88

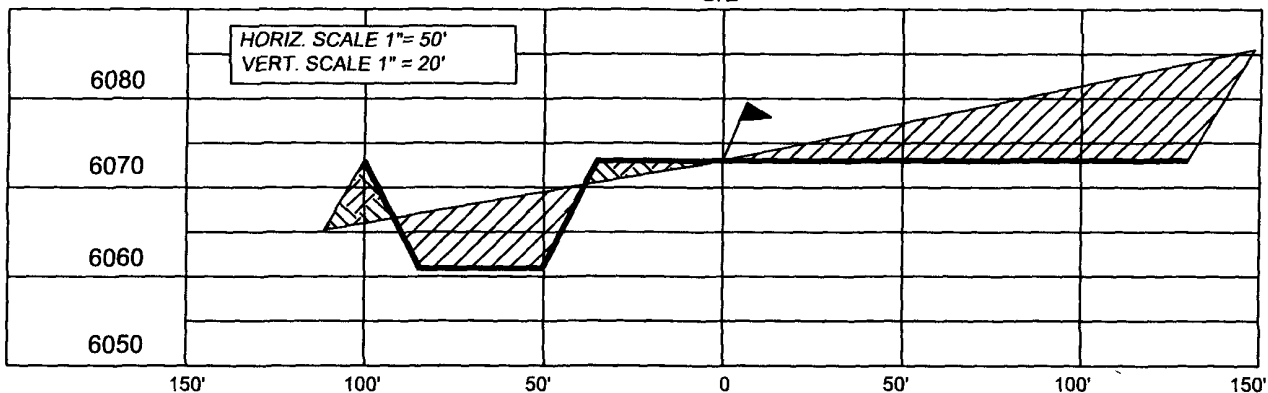
A - A'

C/L



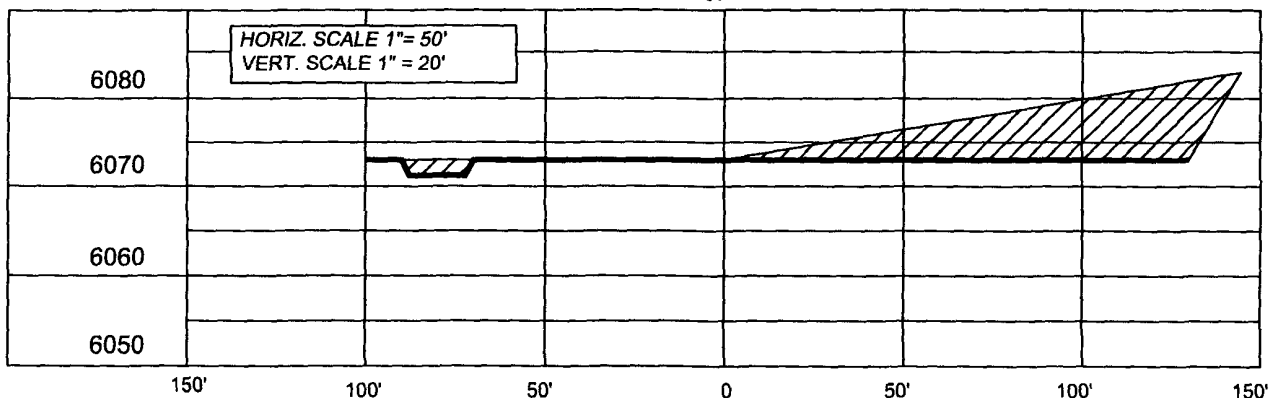
B - B'

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
1	ISSUE FOR REVIEW	L H	5/22/07

CCI

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE (505)325-7707

CHENAULT CONSULTING INC.