

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 SEP 11 PM 2:38

1a. Type of Work DRILL	5. Lease Number USA SF-078461 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD SEP 18 '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 #6M
4. Location of Well Surf: Unit O (SWSE), 1130' FSL & 1900' FEL BH: Unit I (NESE), 1785' FSL & 895' FEL Surf: Latitude 36° 35.976876 N Longitude 107° 42.070856 W BH: Latitude 36° 36.083396 N Longitude 107° 41.861284 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 5, T27N, R8W API # 30-045-34416
14. Distance in Miles from Nearest Town 16 mile/Blanco	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 895'	
16. Acres in Lease	17. Acres Assigned to Well MV/DK 321.48 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease	
19. Proposed Depth 6827' TVD/7038' TMD	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6081' 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)	8-31-07 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 9/17/07

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

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

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

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
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

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

¹ API Number 30-045-34416		² Pool Code 72319/71599		³ Pool Name Blanco Mesaverde/Basin Dakota	
⁴ Property Code 7018		⁵ Property Name FILAN			
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY			
				⁶ Well Number 6M	
				⁹ Elevation 6081	

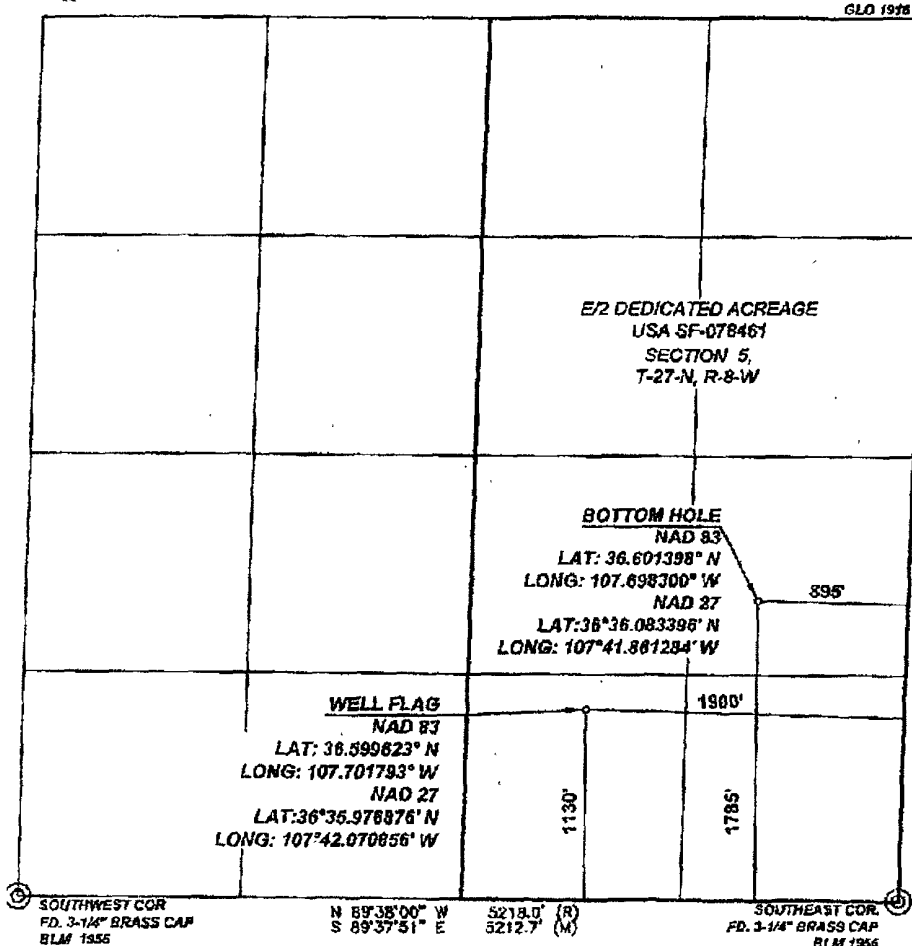
¹⁰ SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
O	5	27-N	8-W		1130	SOUTH	1900	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
I	5	27-N	8-W		1785	SOUTH	895	EAST	SAN JUAN

¹² Dedicated Acres 321.48	¹³ Joint or Infill B/2	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

NORTHEAST COR.
FD. 3-1/4" BRASS CAP
GLO 1975



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 released 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 conscriptive pooling order heretofore entered by the division.	
Signature <i>Kandis Roland</i>	
Printed Name Kandis Roland	
Title and E-mail Address Regulatory Technician	
Date 7-1-07	
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	

Office

Energy, Minerals and Natural Resources

May 27, 2004

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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.

30-045-34416

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-078461

7. Lease Name or Unit Agreement Name

Filan

8. Well Number

#6M

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 O : 1130' feet from the South line and 1900' feet from the East line
Section 5 Township 27N Rng 8W NMPM County San Juan

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

6081'

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

<200

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 ☐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, 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 and pre-set mud pit will be lined 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 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

Regulatory Technician

DATE

8-31-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

SEP 21 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FILAN 6M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7169		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 777		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)

RECEIVED

SEP 12 2007

Bureau of Land Management
Farmington Field Office

Location: Surface Datum Code: NAD 27 Deviated

Latitude: 36.599615	Longitude: -107.701181	X:	Y:	Section: 05	Range: 008W
Footage X: 1900 FEL	Footage Y: 1130 FSL	Elevation: 6081	(FT)	Township: 027N	

Tolerance:

Location: Bottom Hole Datum Code: NAD 27 Deviated

Latitude: 36.601390	Longitude: -107.697688	X:	Y:	Section: 05	Range: 008W
Footage X: 895 FEL	Footage Y: 1785 FSL	Elevation:	(FT)	Township: 027N	

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 6093 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5893	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.
OJO ALAMO	1375	4718	☐			
KIRTLAND	1478	4615	☐			
FRUITLAND	1996	4097	☐			Possible Gas
PICTURED CLIFFS	2265	3828	☐			
LEWIS	2401	3692	☐			
HUERFANITO BENTONITE	2798	3295	☐			
CHACRA	3213	2880	☐			
MASSIVE CLIFF HOUSE	3935	2158	☐	575		Gas
MENEFEE	3965	2128	☐			
Intermediate Casing	4115	1978	☐			8 3/4" Hole. 7", 20/23 ppf, J-55, STC Casing. Cement with 964 cuft. Circulate cement to surface.
MASSIVE POINT LOOKOUT	4593	1500	☐			
MANCOS	4933	1160	☐			
UPPER GALLUP	5703	390	☐			
GREENHORN	6473	-380	☐			
GRANEROS	6532	-439	☐			
TWO WELLS	6597	-504	☐	1700		Gas
PAGUATE	6653	-560	☐			
CUBERO	6707	-614	☐			
ENCINAL	6766	-673	☐			
TOTAL DEPTH DK	6827	-734	☐			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 373 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FILAN 6M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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: ~20' above TD.	

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

Comments: Location/Tops/Logging - MVNM027N008W05SE1 DK 27N08W05SE1 Coordinate staking with Filan 6N, topo will be an issue, prefer I.P. The 6M can go directional to a BHL of 1785' FSL & 895' FEL which will need to be directionally streered around the PC well. The PC well might need to have a gyro run so we know for sure where it is.

Zones - MVNM027N008W05SE1 DK 27N08W05SE1

General/Work Description - Directional Drill

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well Filan #6M
Project:	San Juan Basin	TVD Reference:	WELL @ 6096.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6096.0ft (Original Well Elev)
Well:	Filan #6M	North Reference:	True
Wellbore:	Filan #6M	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
Shape		(d)	(d)	(ft)	ft	ft	(m)	(m)	Longitude
Filan #6M - PCP		0 00	0 00	6,827.0	655.0	1,005 0	195.27	309.22	30° 59' 30 995" N
- plan hits target									109° 25' 32.548" W
- Point									
Filan #6M - ICP		0 00	0 00	4,115.0	655 0	1,005 0	195 27	309 22	30° 59' 30 995" N
- plan hits target									109° 25' 32 548" W
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(d)	(d)	
1,416 1	1,375 0	Ojo Alamo		0 00		
1,526 9	1,478 0	Kirtland		0 00		
2,083 8	1,996 0	Fruitland		0 00		
2,373 0	2,265 0	Pictured Cliffs		0 00		
2,519 2	2,401 0	Lewis		0 00		
2,946 0	2,798 0	Huerf Bentonite		0 00		
3,392 2	3,213 0	Chacra		0 00		
4,145 8	3,935 0	Cliffhouse		0 00		
4,175 9	3,965 0	Menefee		0 00		
4,804 1	4,593 0	Pt. Lookout		0 00		
5,144 1	4,933 0	Mancos Shale		0 00		
5,914 1	5,703 0	Gallup		0 00		
6,684 1	6,473 0	Greenhorn		0 00		
6,743 1	6,532 0	Graneros		0 00		
6,808 1	6,597 0	Two Wells		0 00		
6,864 1	6,653 0	Paguate		0 00		
6,918 1	6,707 0	Cubero		0 00		
6,977 1	6,766 0	Encinal		0 00		
7,038 1	6,827 0	TD		0 00		

Checked By: _____	Approved By: _____	Date: _____
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BURLINGTON RESOURCES OIL AND GAS COMPANY

FILAN 6M

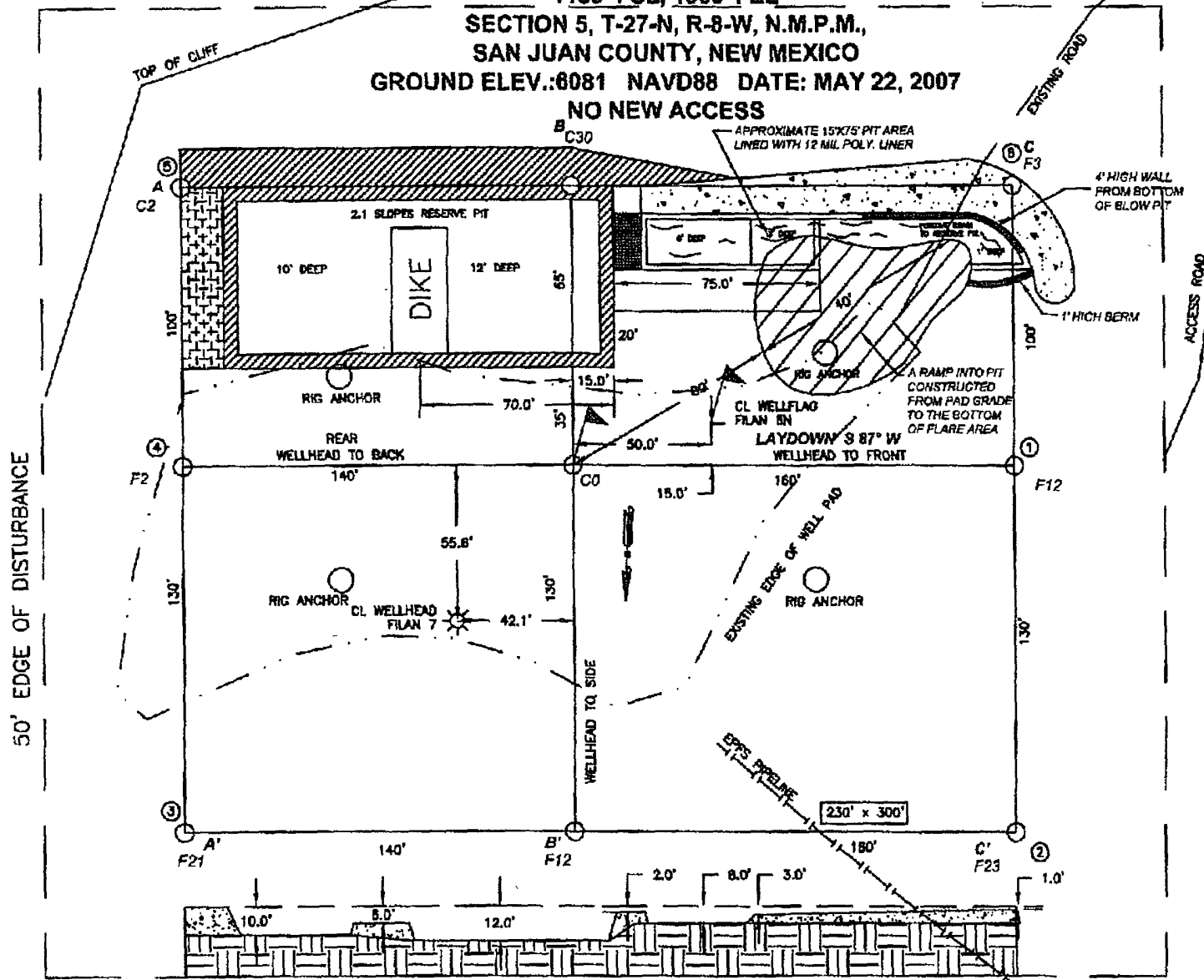
1130' FSL, 1900' FEL

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

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6081 NAVD88 DATE: MAY 22, 2007

NO NEW ACCESS



PIT CROSS SECTION

NAD 83 LAT.: 36.599623°N / LONG.: 107.701793°W

CCI
CHENAULT CONSULTING INC.

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

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 6M

1130' FSL, 1900' FEL

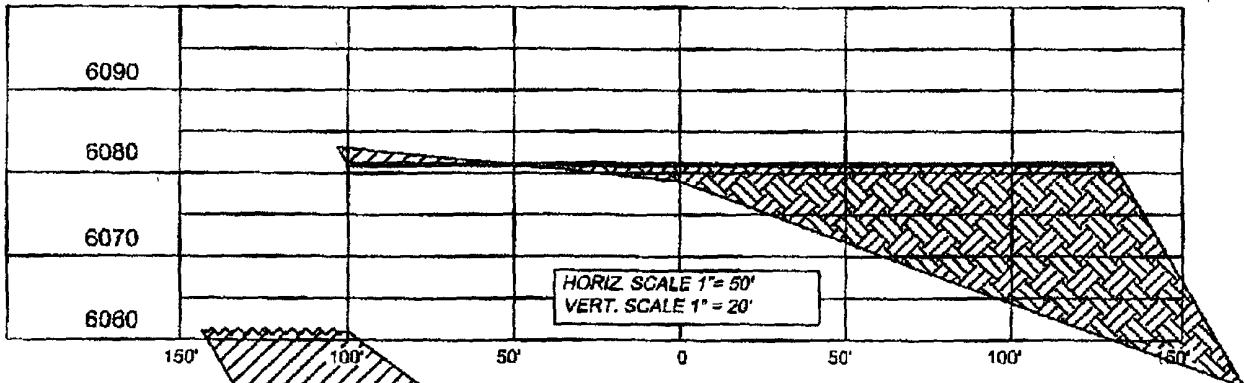
SECTION 5, T-27-N, R-8-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6081 NAVD88

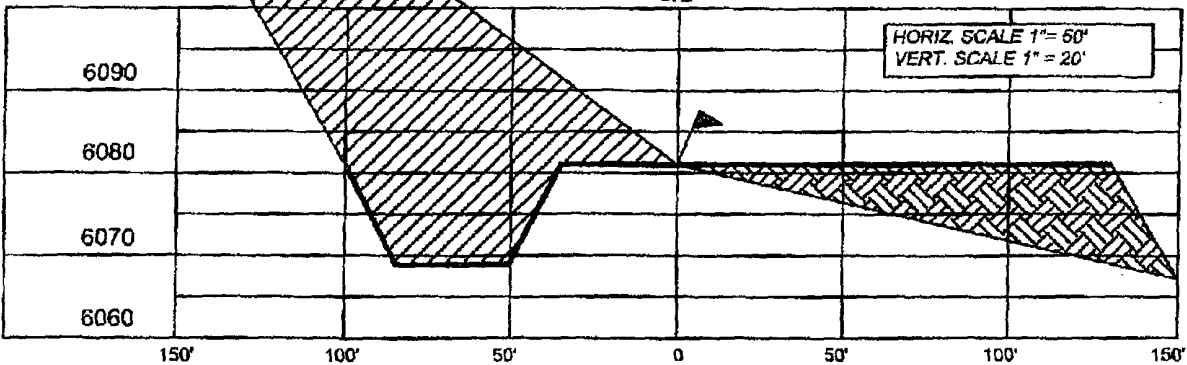
A - A'

C/L



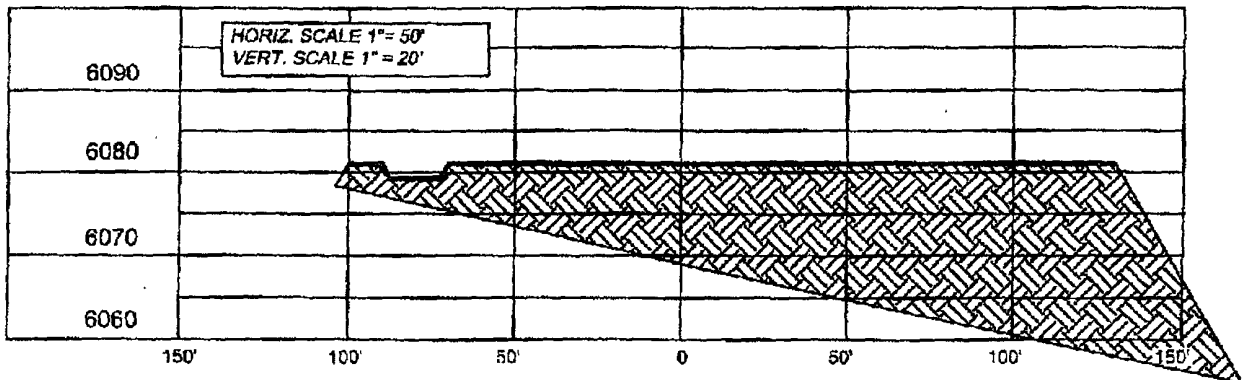
B - B'

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
2	BOTTOM HOLES FOOTAGES	L.H.	6/14/07

CCI

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

CHEHAULT CONSULTING INC.