

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATION
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078425 Unit Reporting Number NMNM78417(MV) NMNM78417(DK)
1b. Type of Well GAS	6. If Indian, All. or Tribe
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 RCVD FEB 8 '08 9. Well Number #30N OIL CONS. DIV. DIST. 3
4. Location of Well Unit N (SESW), 805' FSL & 1455' FWL Unit J (NWSE), 1670' FSL & 2560' FEL Latitude 36.679636 N. Longitude 107.540058 W.	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 35, T290N, R07W API # 30-045-39-30428
14. Distance in Miles from Nearest Town 19 mile/Blanco	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1670'	
16. Acres in Lease 2080.000	17. Acres Assigned to Well MV/DK 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease Twin Well/San Juan 29-7 Unit 577	
19. Proposed Depth 7859'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6594' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/7/07</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY J. L. L. L.

TITLE Petr. Eng. / Acting

DATE 2/7/08

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

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

FEB 12 2008

HOLD C104 FOR Directional Survey

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

DISTRICT II
1301 West 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

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 - 4 Copies
Fee Lease - 3 Copies

RCVD FEB 11 '08
☒ AMENDED REPORT
OIL CONS. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30- 045 39-30428		Pool Code 72319/71599	Pool Name BASIN DAKOTA/BLANCO MESAVERDE
Property Code 7465	Property Name SAN JUAN 29-7 UNIT		Well Number 30N
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		Elevation 6594'

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
N	35	29-N	7-W		805'	SOUTH	1455'	WEST	RIO ARRIBA

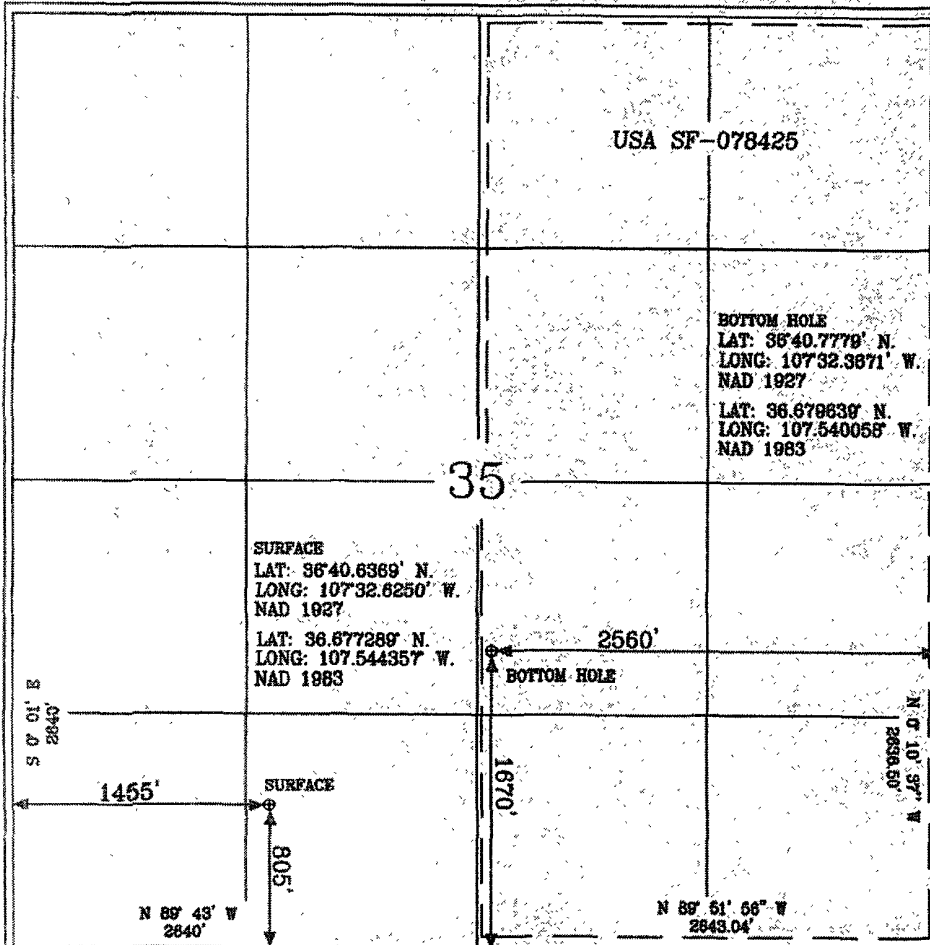
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	35	29-N	7-W		1670'	SOUTH	2560'	EAST	RIO ARRIBA

Dedicated Acres 320.00	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

16



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 undivided 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Rhonda Rogers
Signature

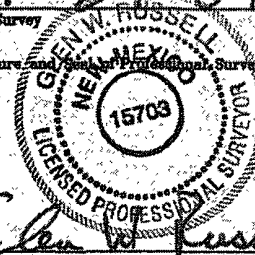
Rhonda Rogers
Printed Name

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.

7-27-07
Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number

15703

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

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.)		WELL API NO. 30-039- 30428
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No USA SF-078425
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name San Juan 29-7 Unit
4. Well Location Unit Letter N 805' feet from the South line and 1455' feet from the West line Section 35 Township 29N Range 7W NMPM County Rio Arriba		8. Well Number 30N
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6594' GL		9. OGRID Number 14538
Pit or Below-grade Tank Application ☒ or Closure ☐		10. Pool name or Wildcat Basin DK / Blanco MV
Pit type New Drill Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water >1000' 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 ☐

OTHER: ☒ Drilling Pit

SUBSEQUENT REPORT OF:

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

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:

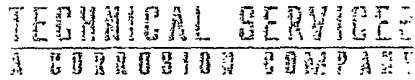
Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised 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 Sasha Spangler TITLE Regulatory Technician DATE 11/26/2007

Type or print name Sasha Spangler E-mail address: Deputy Oil & Gas Inspector, Telephone No. 505-326-9568
For State Use Only

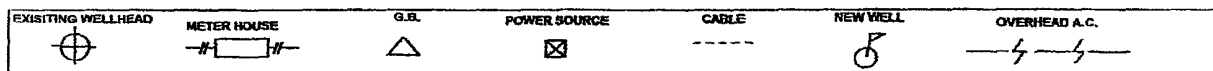
APPROVED BY [Signature] TITLE District #3 DATE FEB 12 2009
 Conditions of Approval (if any):



WELL NAME ST 29-7 #3DN

LEGALS 0-35-29-7 **COUNTY** Rio Arriba

PURPOSED C.P. SYSYTEM: Drill GB on NE corner of location and set rectifier on SW corner. Trench approx 225' of positive cable from GB to rectifier. Trench approx 180' of #8 neg cable from wellhead to rectifier. Trench approx 1100' of AC from existing MP on #70 to rectifier.



COMMENTS:

NEAREST POWER SOURCE HP on 60 324 890 ST 29-7#70 DISTANCE: 1100'

PIPELINES IN AREA: Enterprise P/L

TECHNICIAN: Michelle Hingore DATE: 2/28/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 30N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7034				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		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)						
<i>Directional</i>							
Location: Surface		Datum Code: NAD 27					
Latitude: 36.677282	Longitude: -107.543750	X:	Y:	Section: 35	Range: 007W		
Footage X: 1455 FWL	Footage Y: 805 FSL	Elevation: 6594	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27					
Latitude: 36.679632	Longitude: -107.539452	X:	Y:	Section: 35	Range: 007W		
Footage X: 2560 FEL	Footage Y: 1670 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6610 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6410	☐			12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.	
OJAM	2423	4187	☐				
KRLD	2561	4049	☐				
FRLD	3093	3517	☐			Possible Gas	
PCCF	3366	3244	☐				
LEWS	3498	3112	☐				
HUERFANITO BENTONITE	3990	2620	☐				
CHRA	4341	2269	☐				
Intermediate Casing	4600	2010	☐			8 3/4" Hole. 7", 23 ppf, L-80, LTC Casing. Cement with 1036 cu. ft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	5027	1583	☐	468		Gas	
MENF	5219	1391	☐				
PTLK	5555	1055	☐				
MNCS	6044	566	☐				
GLLP	6782	-172	☐				
GRHN	7515	-905	☐				
GRRS	7574	-964	☐				
TWLS	7623	-1013	☐	1800		Gas	
CBRO	7727	-1117	☐				
CBRL	7758	-1148	☐				
ENCINAL	7829	-1219	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 30N

DEVELOPMENT

TOTAL DEPTH DK	7859	-1249	☐	TD 30' below T/ENCN. 6-1/4" Hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 480 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 29-7 #70A	NW 35-29N-7W
Production	SJ 29-7 #30A	SE 35-29N-7W

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
GR_CBL, mudlogger 100' above GRHN to TD							

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

Comments: Location/Tops/Logging - DK 29N07W35SE2 AND MVNM029N007W35SE2, Mudlogger 100' above GRHN to TD

Zones - DK 29N07W35SE2 AND MVNM029N007W35SE2

General/Work Description - -twin with SJ 29-7 Unit 577

Moved from 2007 to 2008 due to 2007 Capex program adjustments 3/15/07 - LM
INCLUDES LEWIS

DIRECTIONAL DRILL

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #30N
Company:	ConocoPhillips SJB	TVD Reference:	Generic Rig RKB @ 6609.0ft
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6609.0ft
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 29-7 #30N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #30N		
Design:	APD Directional Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,170.3	0.00	0.00	7,859.0	855.6	1,260.5	1,523.5	0.00	0.00	0.00
TD - SJ 29-7 #30N - PCP									

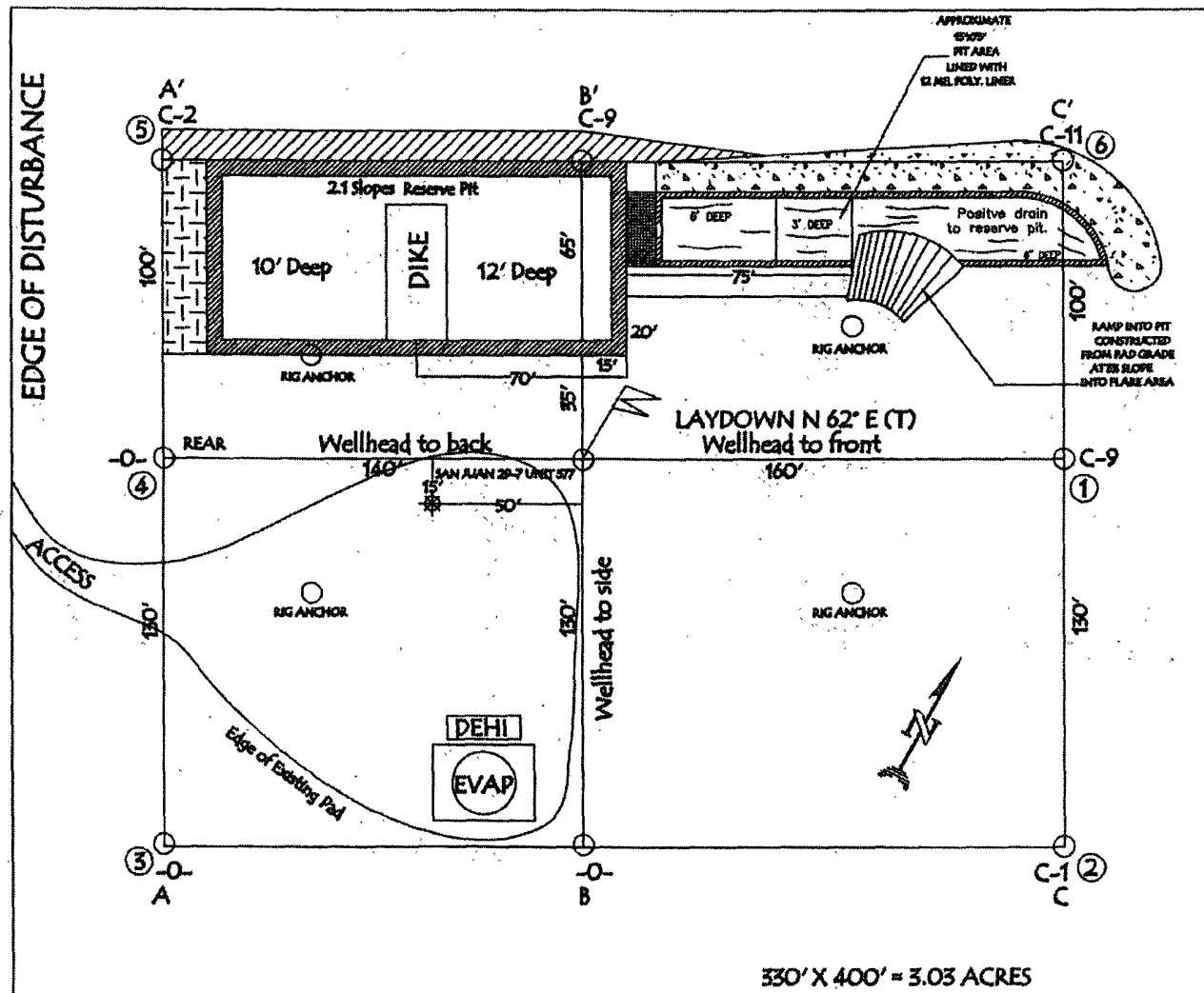
Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	
SJ 29-7 #30N - PCP		0.00	0.00	7,859.0	855.6	1,260.5	629,953.21	178,667.01	36° 40' 46.674 N 107° 32' 22.026 W
- plan hits target									
- Point									
SJ 29-7 #30N - ICP		0.00	0.00	4,600.0	855.6	1,260.5	629,953.21	178,667.02	36° 40' 46.674 N 107° 32' 22.026 W
- plan hits target									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
215.0	215.0	9 5/8"	9.625	12.250	
4,911.3	4,600.0	7"	7.000	8.750	
8,170.2	7,858.9	4 1/2"	4.500	6.250	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,557.2	2,423.0	Ojo		0.00		
2,710.4	2,561.0	Fruitland		0.00		
3,301.1	3,093.0	Kirtland		0.00		
3,604.2	3,366.0	Pictured Cliffs		0.00		
3,750.7	3,498.0	Lewis		0.00		
4,290.5	3,990.0	Huerfano Bentonite		0.00		
4,651.5	4,341.0	Chacra		0.00		
5,338.3	5,027.0	Mass Cliffhouse		0.00		
5,530.3	5,219.0	Menefee		0.00		
5,866.3	5,555.0	Point Lookout		0.00		
6,355.3	6,044.0	Mancos		0.00		
7,093.3	6,782.0	Gallup		0.00		
7,826.3	7,515.0	Greenhorn		0.00		
7,885.3	7,574.0	Graneros		0.00		
7,934.3	7,623.0	Two Wells		0.00		
8,038.3	7,727.0	Cubero		0.00		
8,069.3	7,758.0	Lower Cubero		0.00		
8,140.3	7,829.0	Encinal		0.00		
8,170.3	7,859.0	TD		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 30N, 805' FSL & 1455' FWL
 SECTION 35, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6594', DATE: JULY 6, 2007

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



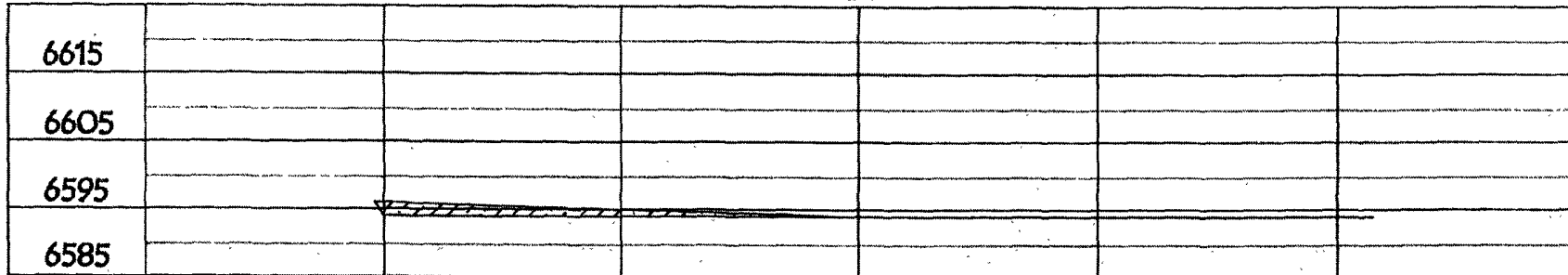
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

LATITUDE: 36° 40.6369' N LONGITUDE: 107° 32.6250' W NAD27

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 30N, 805' FSL & 1455' FWL
 SECTION 35, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6594', DATE: JULY 6, 2007

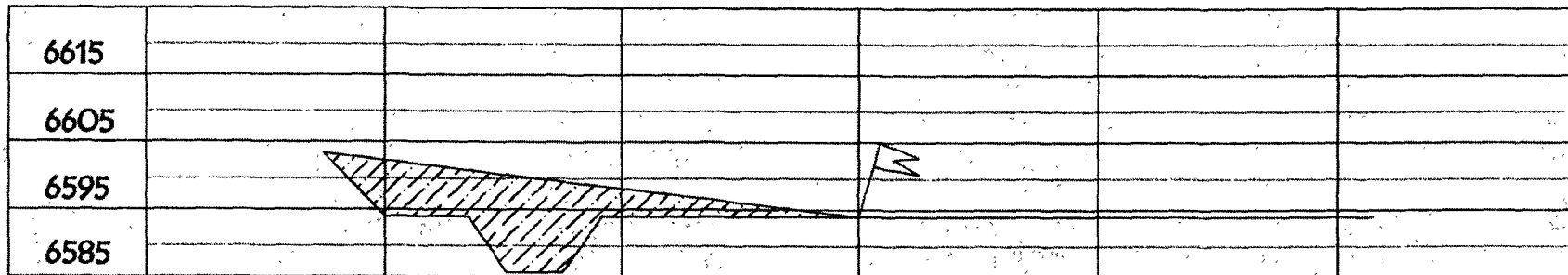
ELEV. A'-A

C/L



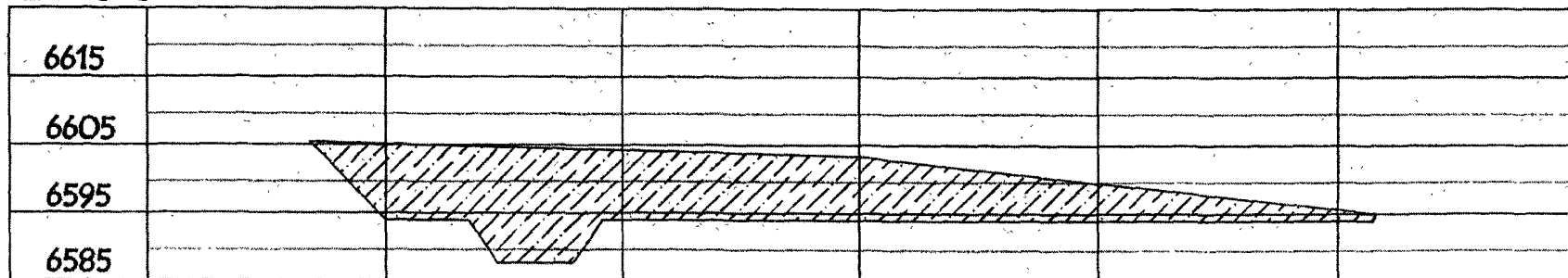
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
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