

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 OPERATIONS
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL		5. Lease Number USA SF - 078050 Unit Reporting Number	
1b. Type of Well GAS		6. If Indian, All. or Tribe	
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 Hughes 9. Well Number #10B	
4. Location of Well Unit L (NWSW), 1330' FSL & 1040' FWL Latitude 36.60047 N. Longitude 107.77996 W.		10. Field, Pool, Wildcat Basin Dakota/Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 3, T27N, R9W API # 30-045- 34510	
14. Distance in Miles from Nearest Town 16.1 Miles/Blanco		12. County San Juan	
15. Distance from Proposed Location to Nearest Property or Lease Line 1195'		13. State NM	
16. Acres in Lease 1330' 1195.05		17. Acres Assigned to Well MV/DK 291.38 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 856' from Hughes #1C		20. Rotary or Cable Tools Rotary	
19. Proposed Depth 6990'		22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6370' GL		23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)		Date <u>11/16/07</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY Wayne Johnson

TITLE Acting AFM

DATE 12/4/07

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 4

Bond Numbers NMB-000015 and NMB-000089

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

NMOC

DEC 13 2007

AV

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

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

DISTRICT II
1301 W. 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-- 34510	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESA VERDE
⁴ Property Code 7143	⁵ Property Name HUGHES	⁶ Well Number 10 B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6370'

¹⁰ Surface Location

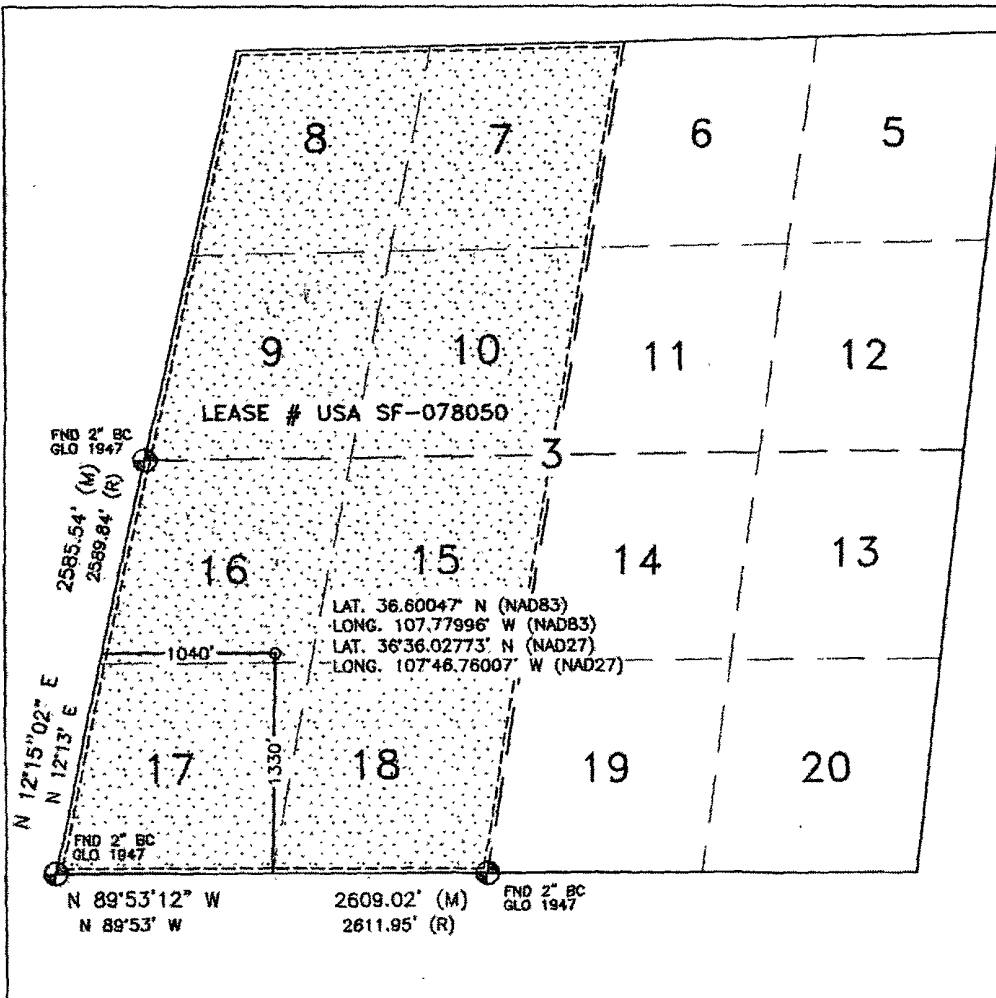
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	3	27N	9W	16	1330'	SOUTH	1040'	WEST	SAN JUAN

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
L									
¹² Dedicated Acres 291.38 Acres - (W/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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

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 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 or a compulsory pooling order heretofore entered by the division.

Jamie Goodwin 09/24/2007
Signature Date

Jamie Goodwin

Printed Name

18 SURVEYOR CERTIFICATION

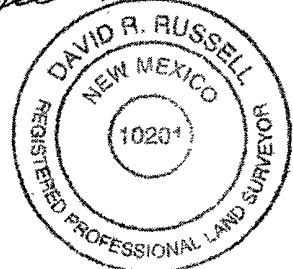
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 28, 2007

Date of Survey

Signature and Seal of Professional Surveyor

David R. Russell



DAVID RUSSELL

Certificate Number

10201

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 L : 1330' feet from the South line and 1040' feet from the West line
Section 3 Township 27N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6370'GL

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 <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: New Drill ☒

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 11/2/2007

Type or print name Sasha Spangler E-mail address: spangs@conocophillips.com Telephone No. 505-326-9568

For State Use Only

**Deputy Oil & Gas Inspector,
District #3**

APPROVED BY [Signature] TITLE DATE DEC 13 2007

Conditions of Approval (if any):

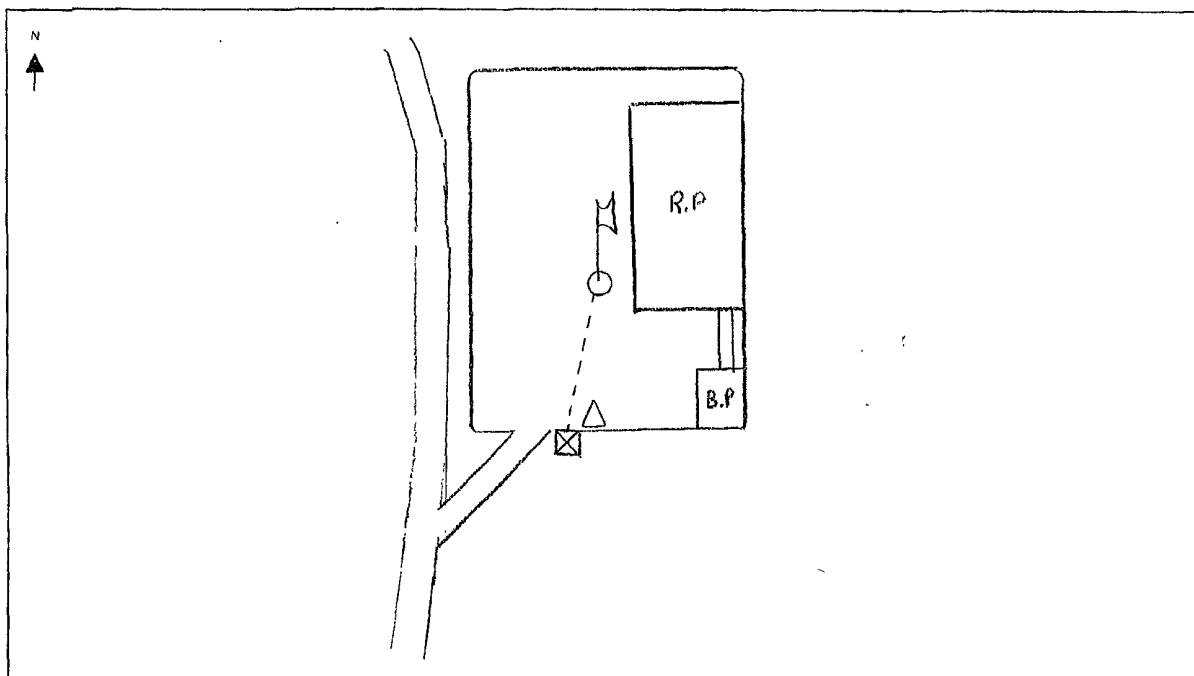


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Hughes #10B LEGALS L-3-27-9 COUNTY San Juan

PURPOSED C.P. SYSYTEM: Drill GB and set of well solar on Sedge of location (E side of access). Trench approx 175' of #8 neg from proposed well 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: _____

TECHNICIAN: Michelle Higgins DATE: 10/17/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUGHES 10B

DEVELOPMENT /

Lease:		AFE #: WAN.CDR.7361		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		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:	
				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			
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Latitude: 36.600462	Longitude: -107.779345	X:	Y:	Section: 03	Range: 009W
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Footage X: 1040 FWL	Footage Y: 1330 FSL	Elevation: 6370 (FT)	Township: 027N
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Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6386	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6066	<input type="checkbox"/>			12 1/4" hole. 8-5/8" 24 ppf, J-55, STC casing. Cement with 319 cu ft. Circulate cement to surface.
OJAM	1511	4875	<input type="checkbox"/>			
KRLD	1629	4757	<input type="checkbox"/>			
FRLD	2047	4339	<input type="checkbox"/>			Possible Gas
PCCF	2451	3935	<input type="checkbox"/>			
LEWS	2531	3855	<input type="checkbox"/>			
CHRA	3361	3025	<input type="checkbox"/>			
UCLFH	4014	2372	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	4097	2289	<input type="checkbox"/>	541		Gas
MENF	4120	2266	<input type="checkbox"/>			
PTLK	4711	1675	<input type="checkbox"/>			
MNCS	5081	1305	<input type="checkbox"/>			
GLLP	5909	477	<input type="checkbox"/>			
GRHN	6677	-291	<input type="checkbox"/>			
GRRS	6737	-351	<input type="checkbox"/>			
TWLS	6782	-396	<input type="checkbox"/>	1700		Gas
CBRL	6911	-525	<input type="checkbox"/>			
ENCINAL	6980	-594	<input type="checkbox"/>			TD 10' below T/ENCN
Total Depth	6990	-604	<input type="checkbox"/>			7-7/8" hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Cement with 2083 cu ft. Circulate cement to surface. Cased hole TDT with GR to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Christeen Hughes #2	SW 3-27N-9W

PROJECT PROPOSAL - New Drill / Sidetrack

HUGHES 10B

DEVELOPMENT /

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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GR_CBL

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

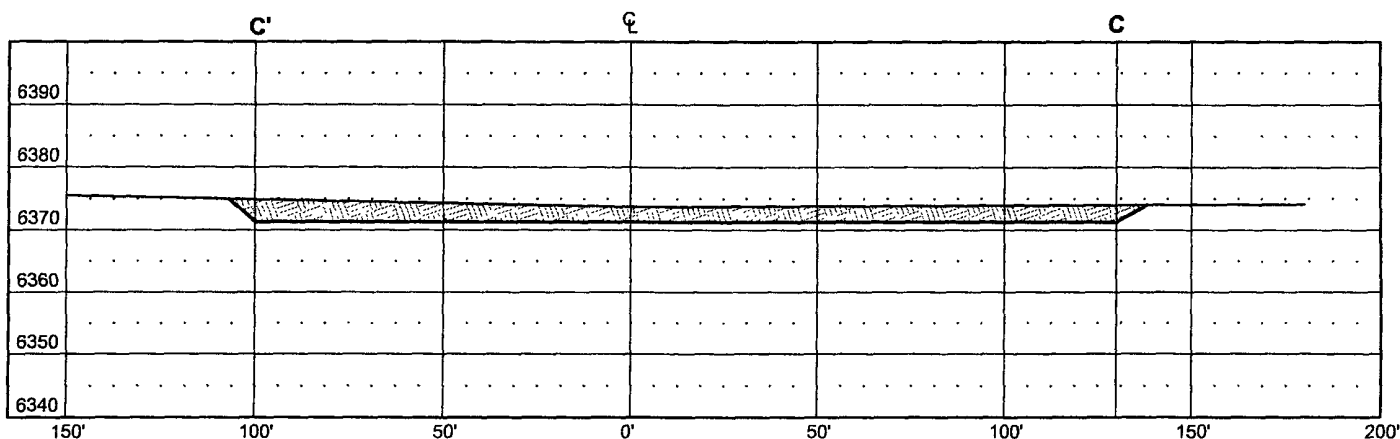
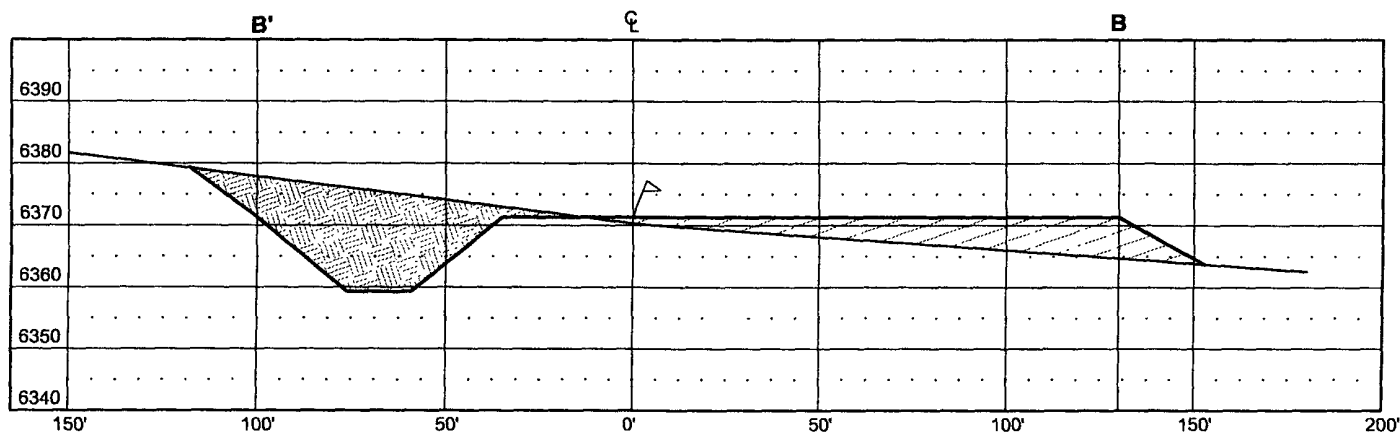
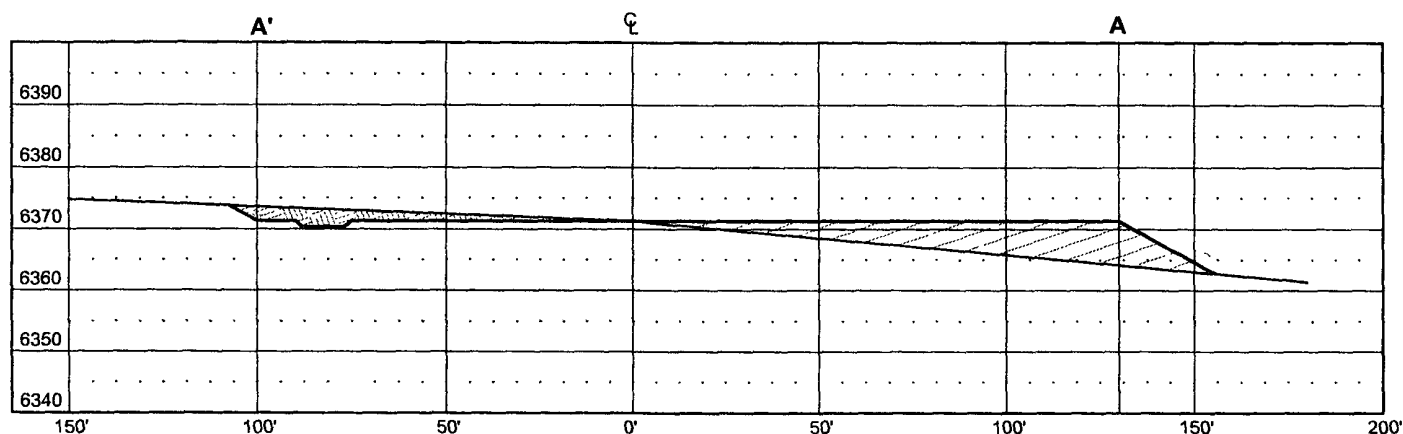
Comments: Location/Tops/Logging - MVNM027N009W03SW2 DK 27N09W03SW1 Avoid N, twin Hughes 1-C (PC), else prefer M,L.

Zones - MVNM027N009W03SW2 DK 27N09W03SW1




BURLINGTON RESOURCES O&G CO LP


HUGHES #10 B
1330' FSL & 1040' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 3,
T27N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6370', NAVD 88
FINISHED PAD ELEVATION: 6371.3', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'
HORIZ. SCALE: 1" = 50'
JOB No.: COPC100
DATE: 09/07/07

 **CUT**

 **FILL**

R X S

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637