

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 23 '07

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED OCT 2 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA NM-06738 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Sanchez 9. Well Number #3F
4. Location of Well Unit I (NESE), 1790' FSL & 750' FEL Surf: Latitude 36° 45.9798 N Longitude 107° 51.8948 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34, T30N, R10W API # 30-045-34451	
14. Distance in Miles from Nearest Town 5 mile/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 750'		
16. Acres in Lease 475.6	17. Acres Assigned to Well DK 316.84 (8/2)	
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 51' from Sanchez 3B		
19. Proposed Depth 7153'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6039' GL	22. Approx. Date Work will Start N'S APPROVAL OR ACCEPTANCE OF THIS ION DOES NOT RELIEVE THE LESSEE AND PERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS 10-2-07 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)		

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 10/22/07

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

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

NMOCD

OCT 30 2007

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

OCT 2 2007

State of New Mexico Bureau of Land Management
Energy, Minerals & Natural Resources Department

Form C-102

Revised October 12, 2005

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

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

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	'Pool Code	'Pool Name
30-045-34451	71599	BASIN DAKOTA
'Property Code	'Property Name	'Well Number
7475	SANCHEZ	3F
'OGBID No.	'Operator Name	'Elevation
14538	BURLINGTON RESOURCES OIL AND GAS COMPANY LP	8039'

¹⁰ Surface Location

Tr or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
I	34	30-N	10-W	5	1790'	SOUTH	750'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

[illegible]

³ Dedicated Agents

318.84 5/2

¹⁰ Joins or buffer

MR Consolidation Code

* 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

		LOT 2	LOT 1
		LOT 3	LOT 4
LOT 8	LOT 7	LOT 6	LOT 5
LOT 9	LOT 10	LOT 11	LOT 12

34

USA NM-06738

LAT: 36°46.9768' N.
LONG: 107°51.6948' W.
NAD 1927

LAT: 36.766334' N.
LONG: 107.865533' W.
NAD 1983

N 89° 41' 48" W
2912.38'

750'

1790'

8344.96' N
15.25' E

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 unknown 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

8-6-07

18 SURVEYOR CERTIFICATION

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

7-27-07
Date of Survey

Glenn W. Russell
Signature

Glenn W. Russell
Professional Surveyor
15703
LICENSED PROFESSIONAL SURVEYOR
NEW MEXICO
15703

Certificate Number 15703

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.	30-045- 34451
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease #USA NM-06738
7. Lease Name or Unit Agreement Name	Sanchez
8. Well Number	#3F
9. OGRID Number	14538
10. Pool name or Wildcat	Basin 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 & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 1790' feet from the South line and 750' feet from the East line
 Section 34 Township 30N Rng 10W NMPM County San Juan11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6039'

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:

NA

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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 unlined, 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 that 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 Rhonda Rogers TITLE Regulatory Technician DATE 9-29-07Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 30 2007

Conditions of Approval (if any):

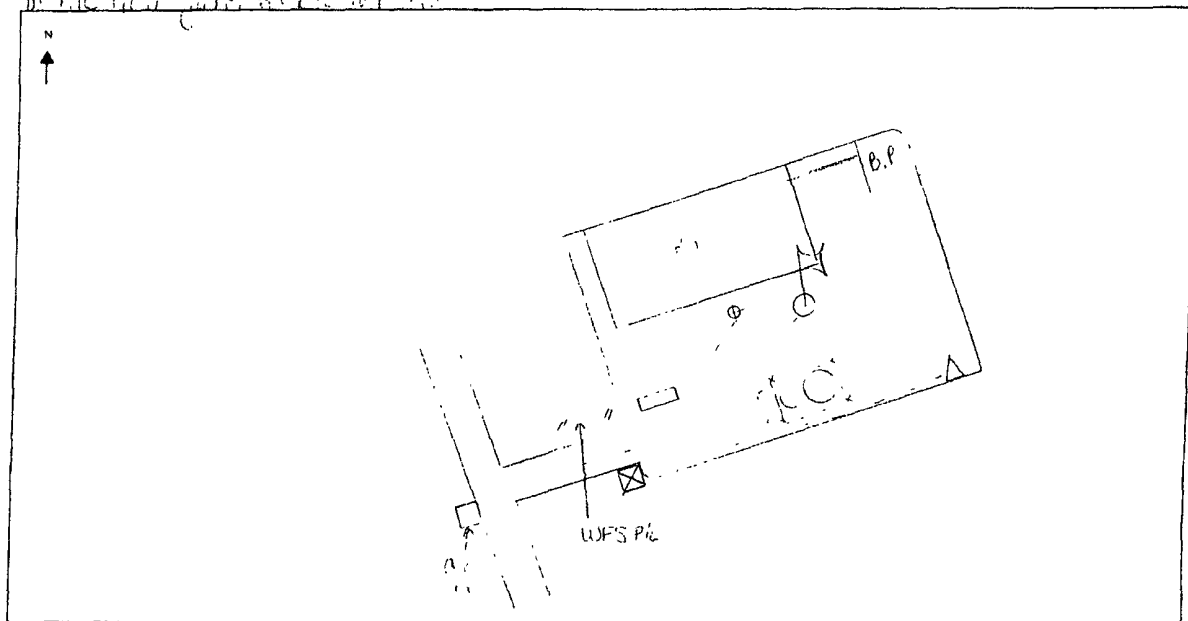


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Sanchez # 3F LEGALS I-54-33-10 COUNTY Ariz.

PURPOSED C.P. SYSTEM: Drill GB or SF corner or location. Set anodes in trench approx 300' at positive from GB to positive. Trench approx 115' at +8 ft from E/S. 1/2" steel pipe 225' at +8 ft from pump house to 12 ft. concrete pad. at P.C. line with anodes for 100'.



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

COMMENTS: _____

NEAREST POWER SOURCE 116/110 DISTANCE: 300'

PIPELINES IN AREA: WFS P/L

TECHNICIAN: H. J. Jones DATE: 7/30/51

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SANCHEZ 3F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7232		AFE \$: 580,514.42	
Field Name: hBR, SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.755329	Longitude: -107.864914	X:	Y:	Section: 34	Range: 010W
Footage X: 750 FEL	Footage Y: 1790 FSL	Elevation: 6039	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6051	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	216	5835	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cubic ft. Circulate cement to surface.
OJO ALAMO	1306	4745	<input type="checkbox"/>			
KIRTLAND	1431	4620	<input type="checkbox"/>			
FRUITLAND	2216	3835	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2511	3540	<input type="checkbox"/>			
LEWIS	2651	3400	<input type="checkbox"/>			
Intermediate Casing	2751	3300	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 619 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	3231	2820	<input type="checkbox"/>			
CHACRA	3535	2516	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4198	1853	<input type="checkbox"/>			Gas
MENEFEE	4299	1752	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	4811	1240	<input type="checkbox"/>			
MANCOS	5159	892	<input type="checkbox"/>			
UPPER GALLUP	6046	5	<input type="checkbox"/>			
GREENHORN	6774	-723	<input type="checkbox"/>			
GRANEROS	6831	-780	<input type="checkbox"/>			
TWO WELLS	6891	-840	<input type="checkbox"/>	1550		Gas
PAGUATE	6970	-919	<input type="checkbox"/>			
CUBERO	7027	-976	<input type="checkbox"/>			
ENCINAL	7095	-1044	<input type="checkbox"/>			
TOTAL DEPTH DK	7153	-1102	<input type="checkbox"/>			6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 599 cubic ft. 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

SANCHEZ 3F

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
GR/CBL. Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.							

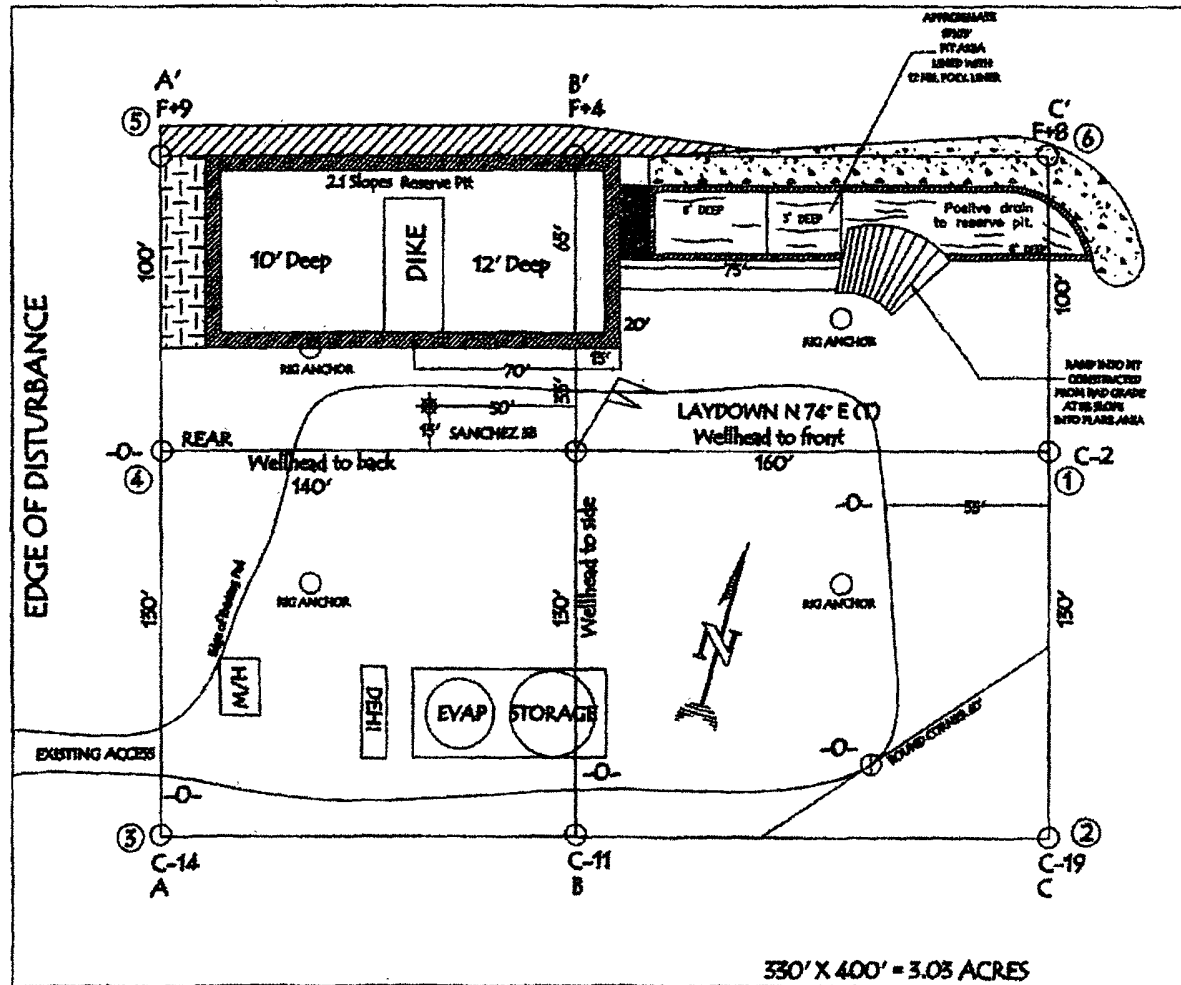
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - DKNM030N010W34SE2 Avoid J, twin Sanchez 3B (MV) in unit I, else prefer I,P.

Zones - DKNM030N010W34SE2

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SANCHEZ 3F, 1790' FSL & 750' FEL
SECTION 34, T-30- N, R-10-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 6039', DATE: JULY 11, 2007

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE 4' ABOVE BOTTOM OF BLOW PIT.



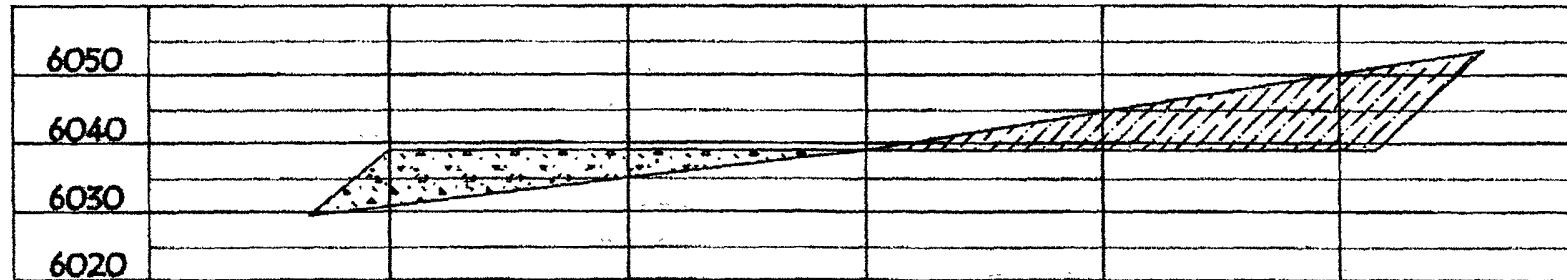
LAT: 36° 45.9798' N LONG: 107° 51.8948' W NAD27

NOTE: VECTOR SURVEYS LLC 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
 SANCHEZ 3F, 1790' FSL & 750' FEL
 SECTION 34, T-30- N, R-10-W, NMPM, SAN JUAN COUNTY, NM
 GROUND ELEVATION: 6039', DATE: JULY 11, 2007

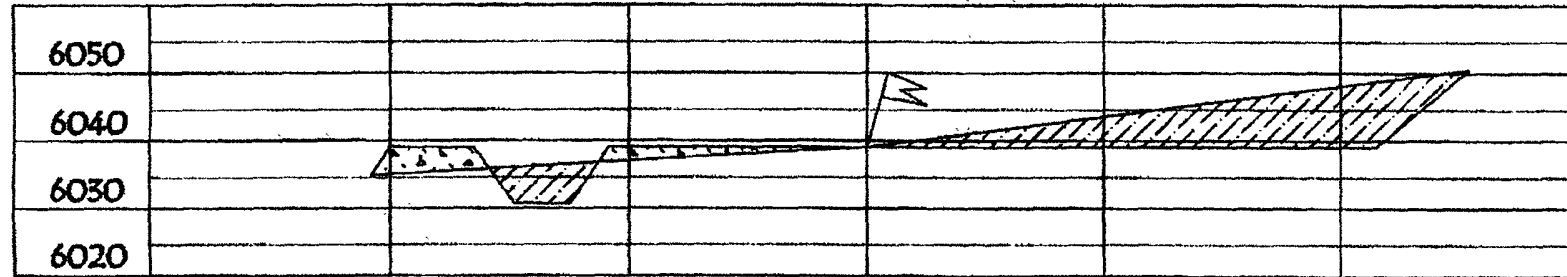
ELEV. A'-A

CL



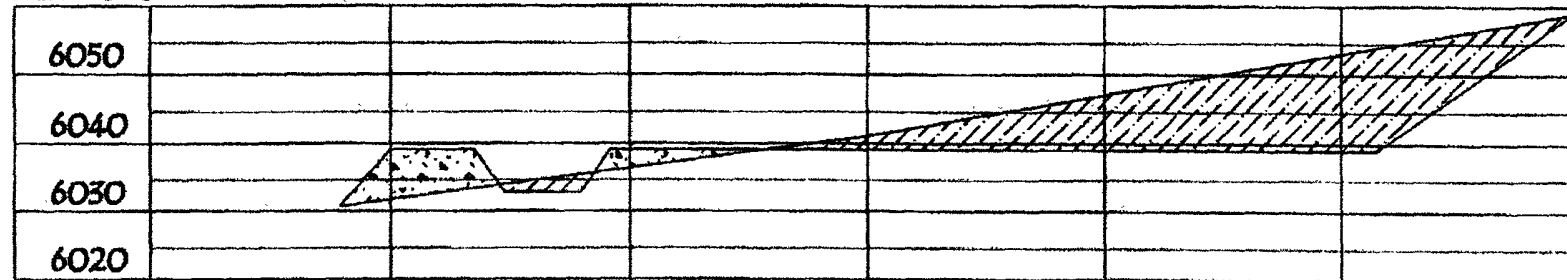
ELEV. B'-B

CL



ELEV. C'-C

CL



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