

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 17 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2007 JUL 26 PM 3 57	5. Lease Number USA SF-079050 Unit Reporting Number NMNIN-78412D-FE
1b. Type of Well GAS	RECEIVED 070 FARMINGTON NM	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	9. Well Number #439S
4. Location of Well Unit F (SENW), 1760' FNL & 1780' FWL Latitude 36° 38.0831 N Longitude 107° 29.5641 W	10. Field, Pool, Wildcat Basin FC/FS WC:28N6W29	11. Sec., Twn, Rge. Mer. (NMPM) f Sec. 29, T28N, R6W API # 30-039-30303
14. Distance in Miles from Nearest Town 33 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1760'	17. Acres Assigned to Well FC 320 (W/2) FS 160 (NW/4)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 985' from San Juan 28-6 Unit #156M	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 3469'		
21. Elevations (DF, FT, GR, Etc.) 6491' 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)	7-25-07 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE ATEM

DATE 10/16/07

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 2

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & 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

OCT 30 2007

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

DISTRICT I
1825 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

070 FARMINGTON NM

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 30-039-30303	² Pool Code 71629/97653	³ Pool Name WC:28N6W29E Basin FRUITLAND COAL/FRUITLAND SAND
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 439S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6491'

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
F	29	28-N	6-W		1780'	NORTH	1780'	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
F									
¹² Dedicated Acres 160 FS NW/4 320.00 FC 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

18

	<p>LAT: 36°38.0831' N. LONG: 107°29.5841' W. NAD 1927</p> <p>LAT: 36.634727 N. LONG: 107.493340 W. NAD 1983</p>	<p>17 OPERATOR CERTIFICATION</p> <p>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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>4/17/07</p> <p><u>Kandis Roland</u> Signature Kandis Roland Printed Name Regulatory Technician</p>
<p>USA NM-013678</p>		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>4-3</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><u>Carla W. Russell</u> Certificate Number 15703</p>
<p>USA SF-079050</p>		

Office

Energy, Minerals and Natural Resources

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

WELL API NO.

30-039-30303

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-079050

7. Lease Name or Unit Agreement Name

San Juan 28-6 Unit

8. Well Number

#439S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin FC/Wild Cat FS

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 F : 1760' feet from the North line and 1780' feet from the West lineSection 29 Township 28N Rng 6W NMPM County Rio Arriba

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

6491'

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

>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 ☐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 ☒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.

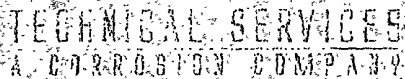
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 2-25-07Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

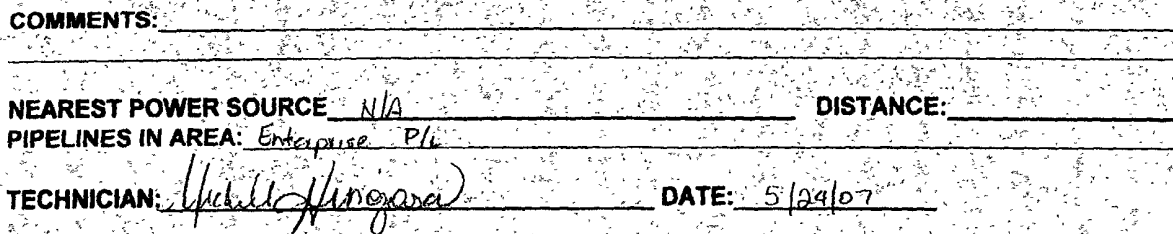
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 30 2007

Conditions of Approval (if any):



WELL NAME SJ 28-6 # 4395 LEGALS F-29-28-6 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB on SW corner of location. Set solar on N edge of location (East side of access). Trench approx 300' of positive from GB to solar. Trench approx 230' of #8 neg cable from proposed well to solar.



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 28-6 UNIT 439S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7079		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer: Schlaubaugh, Jim L		Phone: 505-326-9788	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
2035	FRUITLAND COAL
RCO087	FRUITLAND SAND(RCO087)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.634719	Longitude: -107.492735	X:	Y:	Section: 29	Range: 006W
Footage X: 1780 FWL		Footage Y: 1760 FNL		Elevation: 6491 (FT)	Township: 028N
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6507 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6387	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2341	4166	<input type="checkbox"/>			
KIRTLAND	2486	4021	<input type="checkbox"/>			
FRUITLAND	2861	3646	<input type="checkbox"/>			Gas
PICTURED CLIFFS	3269	3238	<input type="checkbox"/>	400		Gas, TD 200' below T/PCCF
Total Depth	3469	3038	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 533 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 #156M	NW 29-28N-6W

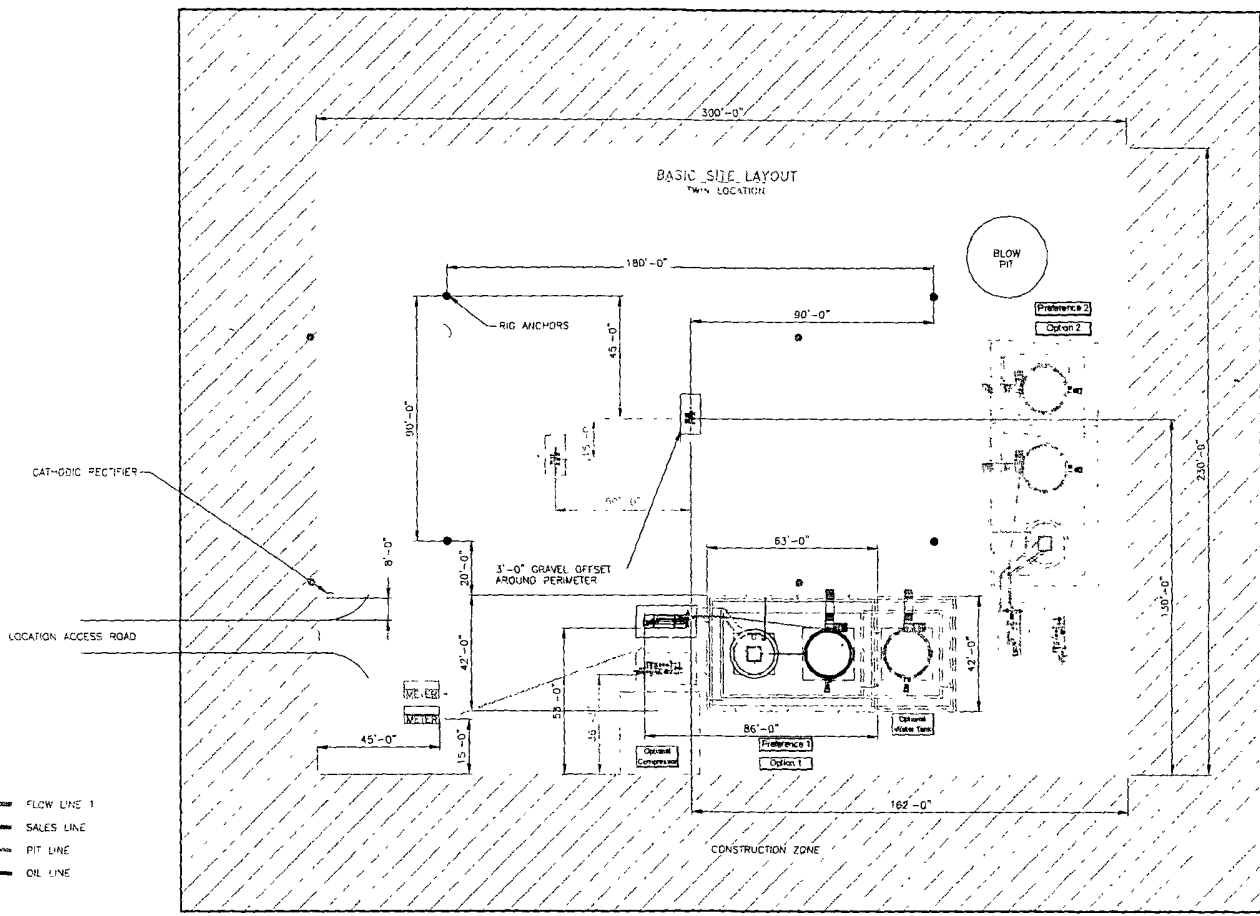
Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL


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



- FLOW LINE 1
- SALES LINE
- PIT LINE
- OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

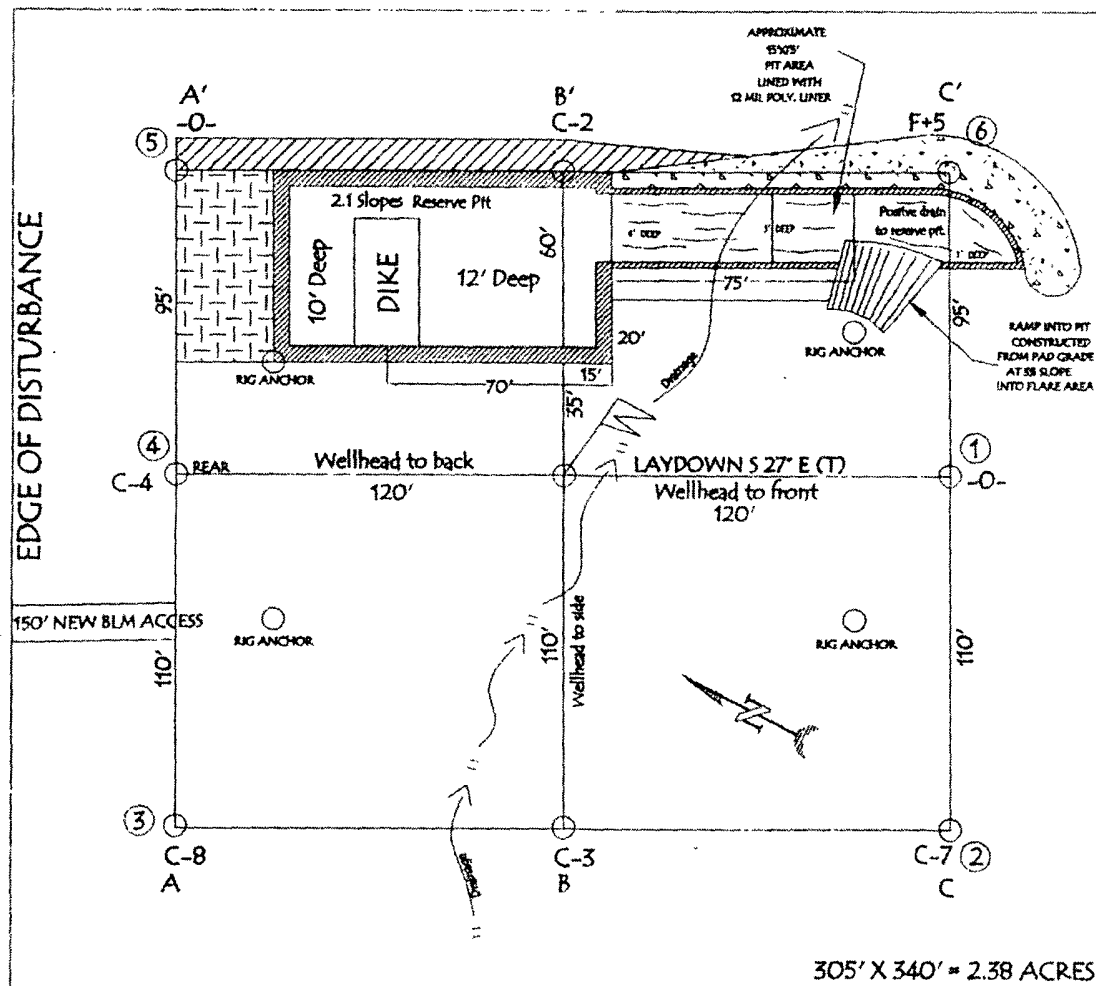
SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT								
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION			CLIENT NO	CLIENT ADDR	APPRO DATE						
										PROCESS															
										MECHANICAL															
										PIPING															
										ELECTRICAL															
										I & C															
										CIVIL/STRUCTURAL															
										PROJECT															
DESCRIPTION										DATE	BY	CHK'D	ENC	DISC	DATE	SAN JUAN BUSINESS UNIT				CLIENT NO	CLIENT ADDR	APPRO DATE	SCALE NONE	CREATION DATE 6/20/22	SHEET NO 1
																				DRAWN BY					1 OF 5

HP3PHASE-REV1

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 28-6 UNIT 4395, 1760' FNL & 1780' FWL
 SECTION 29, T-28- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6491', DATE: MARCH 28, 2007

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



305' X 340' = 2.38 ACRES

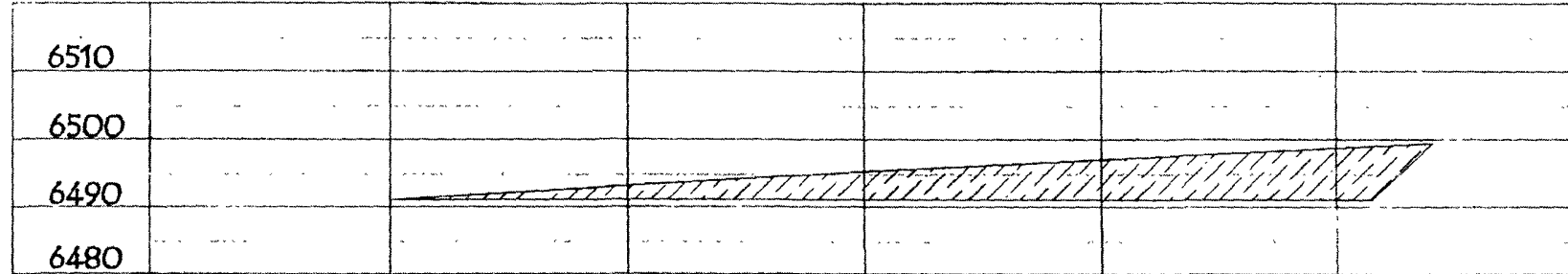
LATITUDE: 36° 38.0831' N LONGITUDE: 107° 29.5641' W NAD27

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.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 28-6 UNIT 4395, 1760' FNL & 1780' FWL
 SECTION 29, T-28- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6491', DATE: MARCH 28, 2007

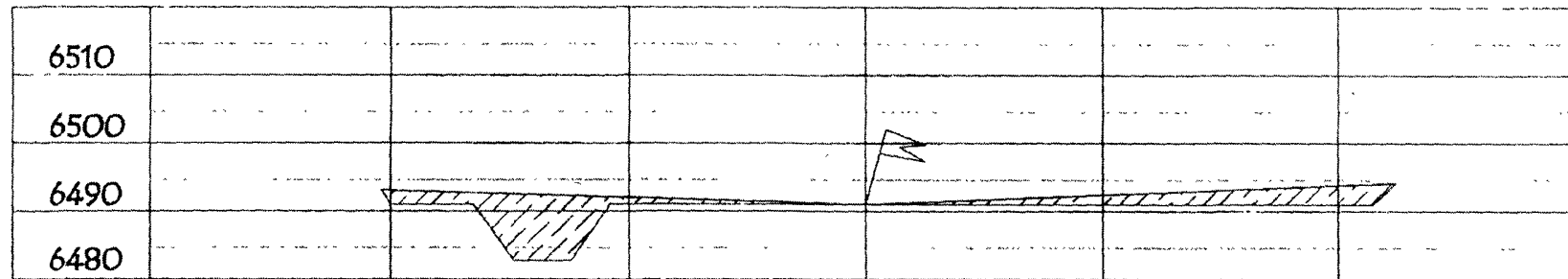
ELEV. A'-A

C/L



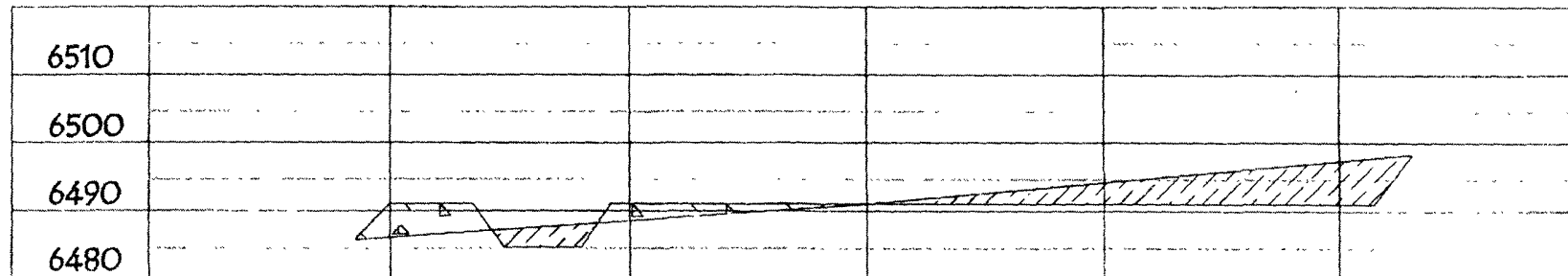
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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