

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 NMSF-078503-A Unit Reporting Number RCVD DEC 12 '07	
1b. Type of Well GAS	6. If Indian, All. or Tribe OIL CONS. DIV. DIST. 3	
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 9. Well Number #116E	
4. Location of Well Unit L (NWSW), 2520' FSL & 700' FWL Latitude 36.696717 N Longitude 107.616831 W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T29N, R7W API # 30-045-30409	
14. Distance in Miles from Nearest Town 20 Miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 700'	17. Acres Assigned to Well MV 246.88/DK 375.28	
16. Acres in Lease 27.140 366.88	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 921' From San Juan 29-7 Unit 116	
19. Proposed Depth 7437'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6296' 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)	
		10/17/07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

DEC 13 2007

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 Bravos 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. Bureau of Land
Santa Fe, NM 87505

RECEIVED

OCT 22 2007

Form C-102
Revised October 12, 2006

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30409		² Pool Code 71599-72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 7465		⁵ Property Name SAN JUAN 29-7 UNIT			⁶ Well Number 116E
⁷ OCRD No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			⁹ Elevation 5295'

¹⁰ Surface Location

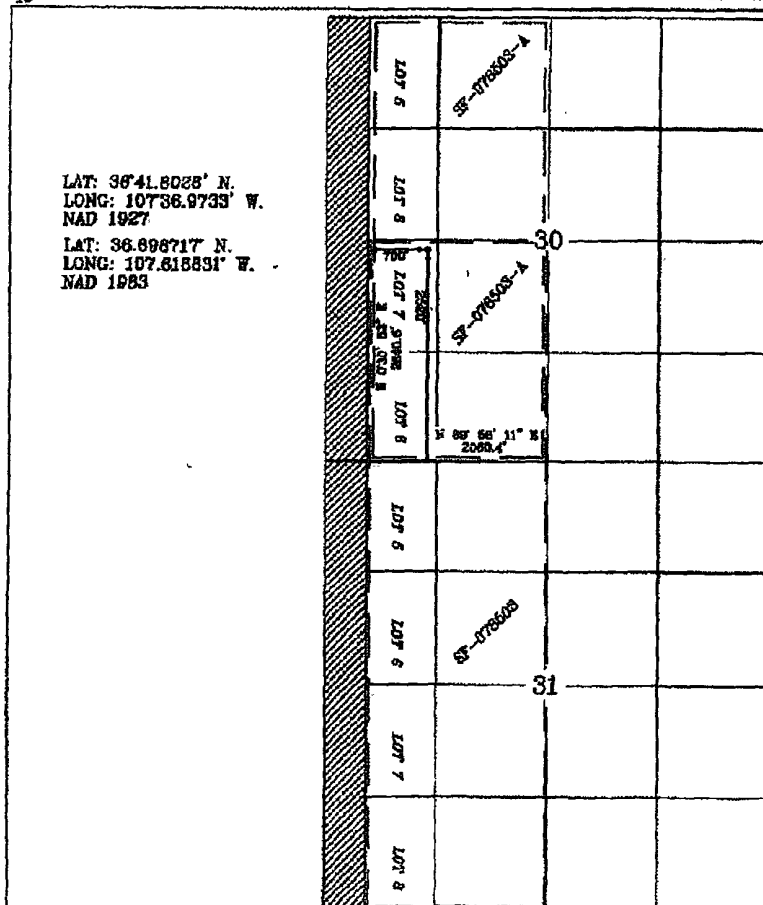
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	30	29-N	7-W	7	2520'	SOUTH	700'	WEST	RIO ARriba

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
L									
¹² Dedicated Acres 248.88 MESAVERDE W/2 Sec. 30 375.28 DAKOTA SW/4 Sec. 30, W/2 of Sec. 31					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. DK R-3246 ✓

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

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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.

Sasha Spangler
Signature

Sasha Spangler 09-24-07
Printed Name

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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.

9-10-07
Date of Survey

Signature of Professional Surveyor:

Calvin V. Russell
Certificate Number 15703

District I

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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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

WELL API NO.	
30-039-	30409
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. SF-078503-A	
7. Lease Name or Unit Agreement Name San Juan 29-7 Unit	
8. Well Number 116E	
9. OGRID Number 14538	
10. Pool name or Wildcat Blanco Mesaverde / 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 L : 2520' feet from the South line and 700' feet from the West line
Section 30 Township 29N Rng 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6296'

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 N/A 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>New Drill</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 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 10/5/2007

Type or print name Sasha Spangler E-mail address: spangs@conocophillips.com Telephone No. 505-326-9700

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE DEC 13 2007

Conditions of Approval (if any):

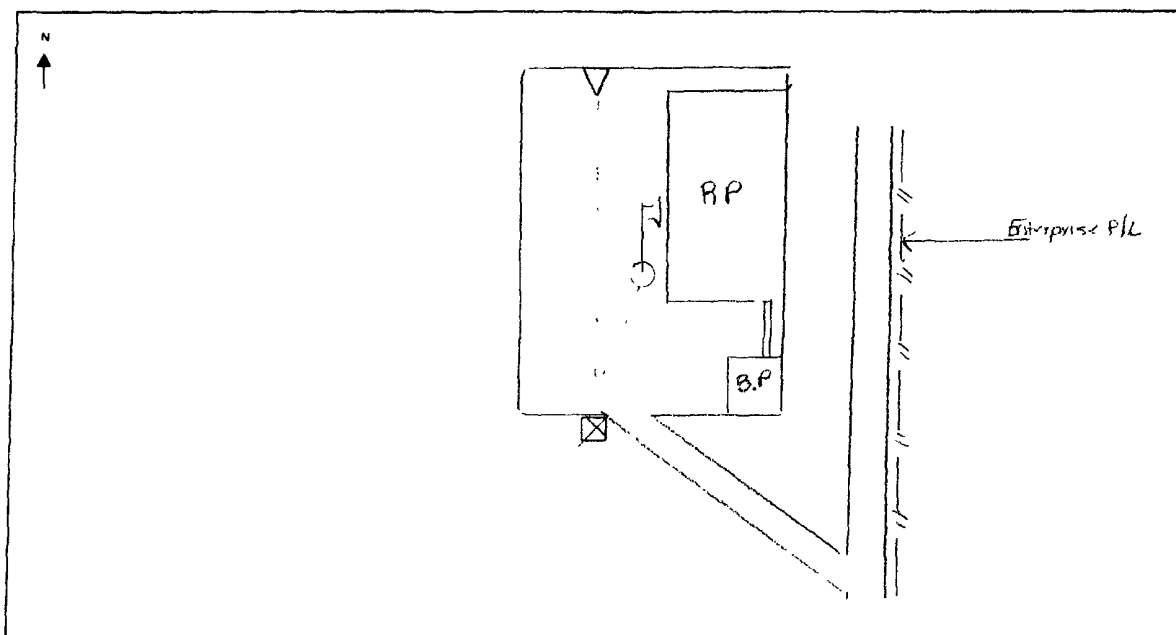


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 29-7# 116E LEGALS L-30-29-1 COUNTY Frio Arriba

PURPOSED C.P. SYSTYEM: Drill GB on NW edge of location. Set solar on SW edge of location (S side of access). Trench approx 300' of positive cable from GB to solar. Trench approx 200' of #8 neg cable 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: Enterprise P/L

TECHNICIAN: Michael J. Moore DATE: 7/25/07

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 116E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7177		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 184		State: NM	County: RIO ARRIBA
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)				
Location:					
Datum Code: NAD 27		Straight Hole			
Latitude: 36.696710	Longitude: -107.616272	X:	Y:	Section: 30	Range: 007W
Footage X: 700 FWL	Footage Y: 2520 FSL	Elevation: 6298	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6310		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	216	6094	<input type="checkbox"/>		
OJO ALAMO	1950	4360	<input type="checkbox"/>		
KIRTLAND	2141	4169	<input type="checkbox"/>		
FRUITLAND	2695	3615	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2952	3358	<input type="checkbox"/>		
LEWIS	3062	3248	<input type="checkbox"/>		
Intermediate Casing	3162	3148	<input type="checkbox"/>		
HUERFANITO BENTONITE	3570	2740	<input type="checkbox"/>		
CHACRA	3913	2397	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	4572	1738	<input type="checkbox"/>	430	Gas
MENEFEE	4638	1672	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	5130	1180	<input type="checkbox"/>		
MANCOS	5652	658	<input type="checkbox"/>		
UPPER GALLUP	6398	-88	<input type="checkbox"/>		
GREENHORN	7127	-817	<input type="checkbox"/>		
GRANEROS	7179	-869	<input type="checkbox"/>		
TWO WELLS	7218	-908	<input type="checkbox"/>	2140	Gas
UPPER CUBERO	7353	-1043	<input type="checkbox"/>		
LOWER CUBERO	7375	-1065	<input type="checkbox"/>		
ENCINAL	7437	-1127	<input type="checkbox"/>		
TOTAL DEPTH DK	7437	-1127	<input type="checkbox"/>		
12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cu. ft. Circulate cement to surface.					
8-3/4" hole. 7", 20 ppf, J-55, STC casing. Cement with 711 cubic ft. Circulate cement to surface.					
6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 582 cubic ft. Circulate 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

SAN JUAN 29-7 UNIT 116E

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.							

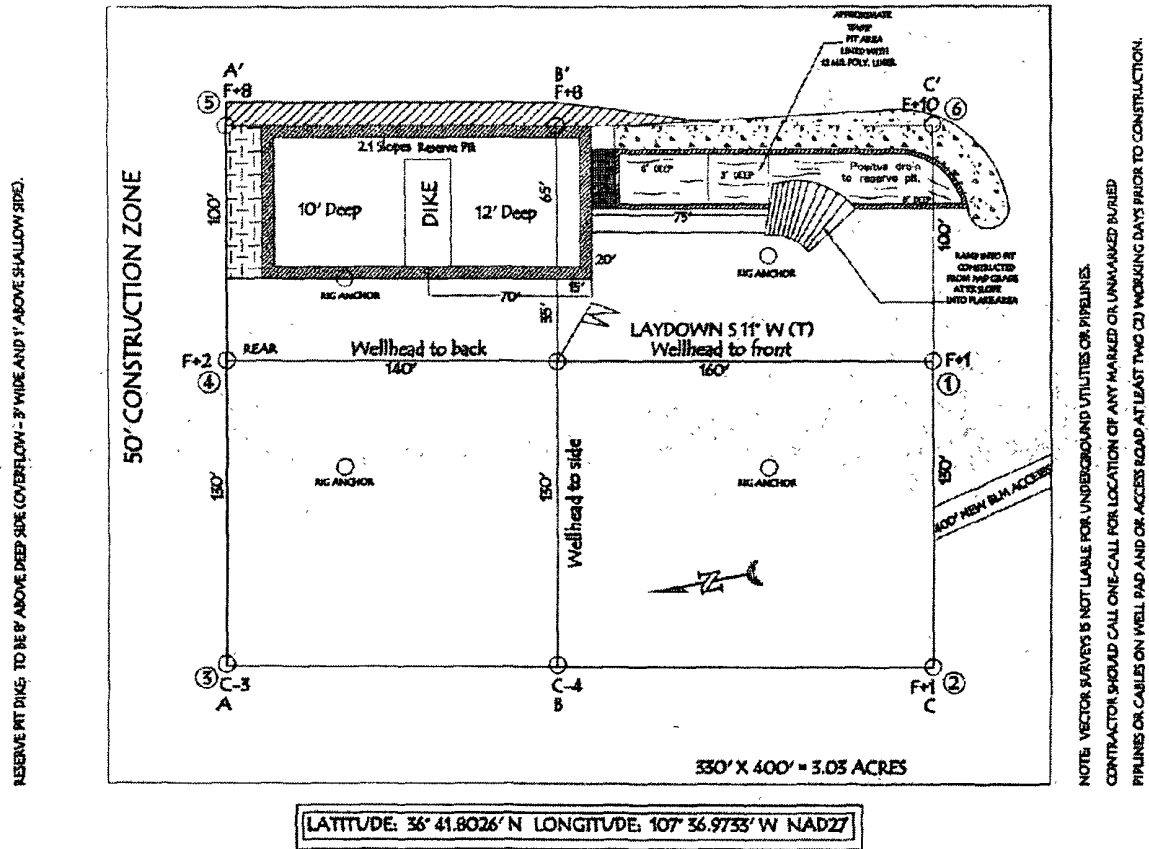
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM029N007W30SW2 DK 29N07W30SW2 Avoid M, no other twin options, prefer L,N,K.

Zones - MVNM029N007W30SW2 DK 29N07W30SW2

General/Work Description - LEWIS INCLUDED

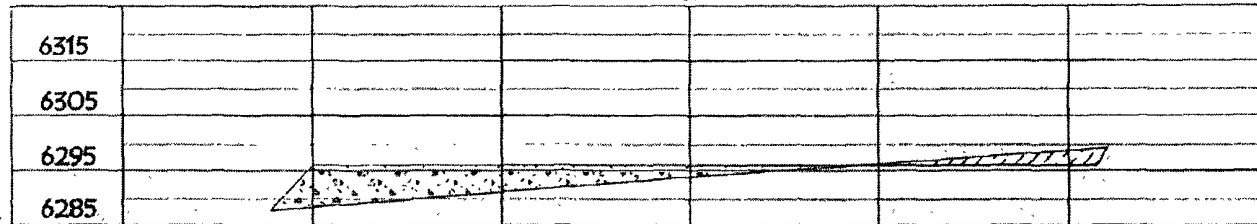
BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 116E, 2520' FSL & 700' FWL
 SECTION 30, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6296', DATE: JUNE 22, 2007



BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 116E, 2520' FSL & 700' FWL
SECTION 30, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6296', DATE: JUNE 22, 2007

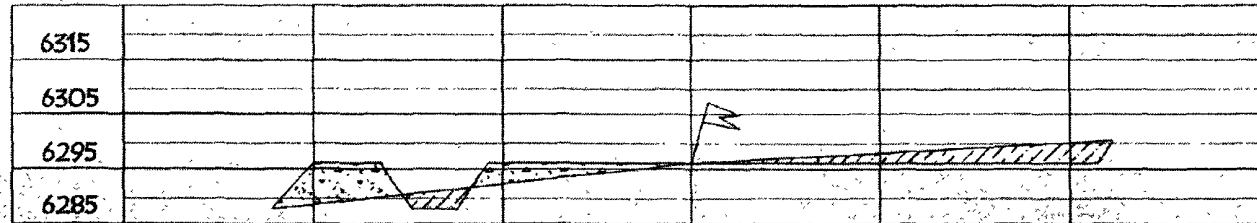
ELEV. A'-A

C/L



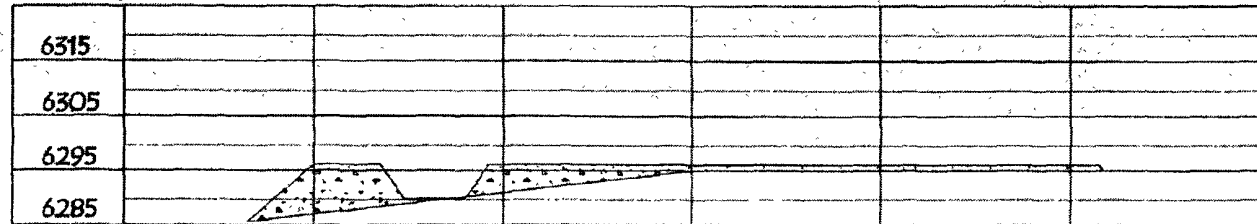
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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