

BLM'S ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER PERMIT OR AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED OCT 22 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078503 Unit Reporting Number NMNM-78417A-MV NMNM-78417B-DL 6. If Indian, All. or Tribe RCVD NOV 29 '07
1b. Type of Well GAS		
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 29-7 Unit OIL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name DIST. 3	9. Well Number #117N
4. Location of Well Unit N (SESW) 230' FSL & 1625' FWL, Latitude 36.704922 N Longitude 107.613603 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 19, T29N, R7W API # 30-039-30406	
14. Distance in Miles from Nearest Town 21 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1625'		
16. Acres in Lease 1970.040	17. Acres Assigned to Well DK 361.64 - (W/2) MV - W/2 238.88	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000' from San Juan 29-7 Unit #513		
19. Proposed Depth 7509'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6352' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	<u>10-22-07</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Mantelero

TITLE AFM

DATE 11/29/07

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 DEC 13 2007

ALL 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., Amec, 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

Bureau of Land Management
Farmington Field Office

Form C-102
Revised October 12, 2005

OCT 22 2007

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30406	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 117N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6352'

¹⁰ Surface Location

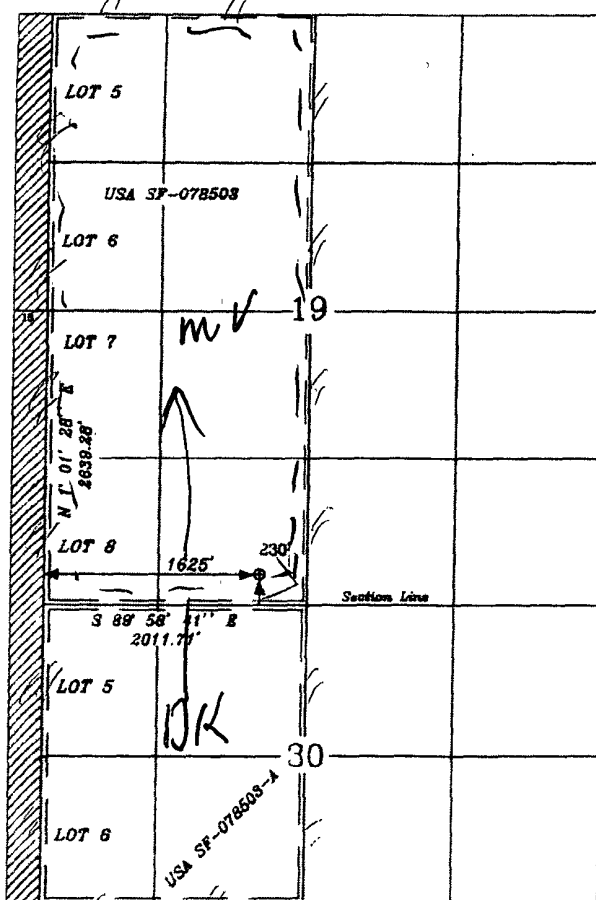
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	29-N	7-W		230'	SOUTH	1825'	WEST	RIO ARriba

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
N									
¹² Dedicated Acres 361.64 Acres (W/2) Sec. 19 N/W/4 Sec. 30 - DK on 14					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-3246 - DK

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



LAT: 36°42.2949' N.
LONG: 107°38.7796' W.
NAD 1927

LAT: 36.704922' N.
LONG: 107.613603' W.
NAD 1983

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 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.

Patsy Clugston
Signature
Patsy Clugston 7-20-07
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.

6-26-07
Date of Survey
Signature and Seal of Surveyor
GLEN W. RUSSELL
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
15703
Certificate Number 15703

NOTIFY AFTER 30 DAYS
PRIOR TO CASING & CEMENT

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- 30406

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USASF-078503

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

117N

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 N : 230' feet from the South line and 1625' feet from the West line
Section 19 Township 29N Rng 7W NMPM County Rio Arriba

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

6352'

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 ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐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 Jamie Goodwin TITLE Regulatory Technician DATE 10/4/2007Type or print name Jamie Goodwin E-mail address: goodwinj@conocophillips.com Telephone No. 505-326-9784

For State Use Only

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

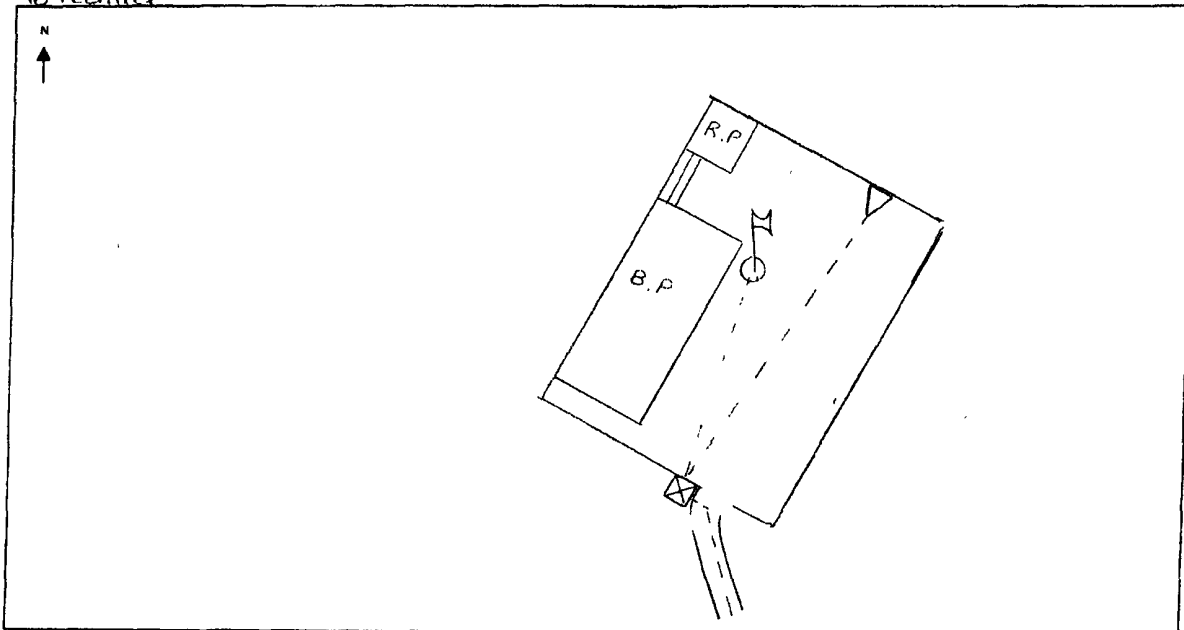
Conditions of Approval (if any):



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 29-7 #117N LEGALS N-19-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB on NE edge of location. Set rectifier on SW edge of location. Trench approx 1100' of A/C from existing rectifier on SJ 29-7 #78A. Trench approx 300' of positive cable from GB to rectifier. Trench approx 250' of #8 neg cable from proposed well to rectifier.



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

COMMENTS: _____

NEAREST POWER SOURCE Existing Rect SJ 29-7 #78A DISTANCE: 1100'
PIPELINES IN AREA: _____

TECHNICIAN: Michael H. Hargrave DATE: 7/3/07

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 117N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7153				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Riq 184		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		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)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.704915		Longitude: -107.612994		X:	Y:	Section: 19	Range: 007W
Footage X: 1625 FWL		Footage Y: 230 FSL		Elevation: 6352 (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6364 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6164	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	2032	4332	<input type="checkbox"/>				
KIRTLAND	2202	4162	<input type="checkbox"/>				
FRUITLAND	2729	3635	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3032	3332	<input type="checkbox"/>				
LEWIS	3152	3212	<input type="checkbox"/>				
Intermediate Casing	3252	3112	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 733 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3634	2730	<input type="checkbox"/>				
CHACRA	3967	2397	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	4625	1739	<input type="checkbox"/>	395		Gas	
MENEFEE	4794	1570	<input type="checkbox"/>				
MASSIVE POINT LOOKOUT	5203	1161	<input type="checkbox"/>				
MANCOS	5699	665	<input type="checkbox"/>				
UPPER GALLUP	6461	-97	<input type="checkbox"/>				
GREENHORN	7191	-827	<input type="checkbox"/>				
GRANEROS	7251	-887	<input type="checkbox"/>				
TWO WELLS	7291	-927	<input type="checkbox"/>	2250		Gas	
UPPER CUBERO	7421	-1057	<input type="checkbox"/>				
LOWER CUBERO	7442	-1078	<input type="checkbox"/>				
ENCINAL	7509	-1145	<input type="checkbox"/>				
Total Depth	7509	-1145	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5 ppf, J-55, STC casing. Cement w/ 580 cuft. Circulated cement to at least 100' inside previous casing string.	
Reference Wells:							
Reference Type	Well Name			Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 117N

DEVELOPMENT

Logging Program:

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

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

GR/CBL. Est bottom perf is ~20' above TD.

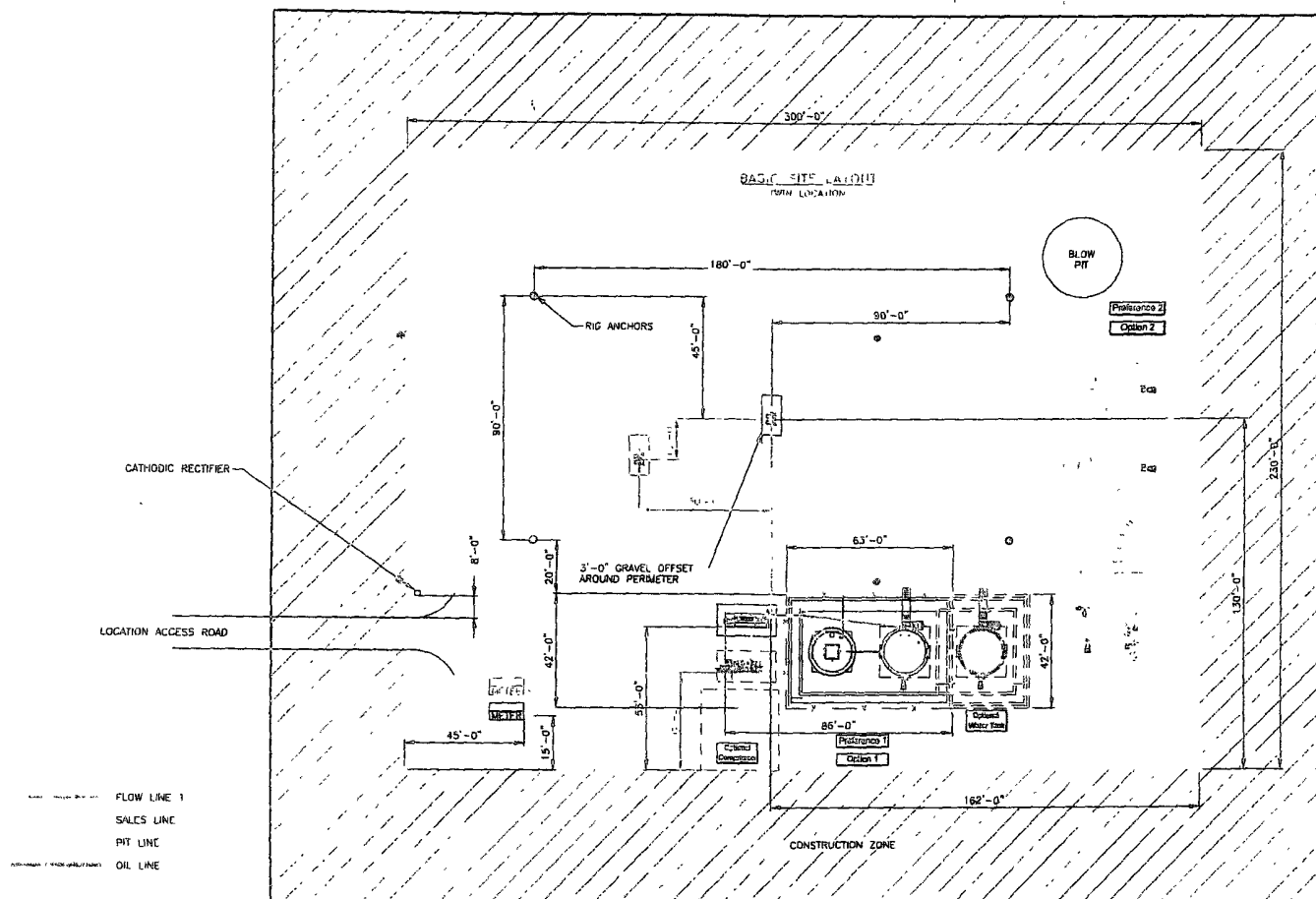
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM029N007W19SW2 DK 29N07W19SW2 Avoid L, no other wells, prefer N,K.


Zones - MVNM029N007W19SW2 DK 29N07W19SW2

General/Work Description - LEWIS INCLUDED



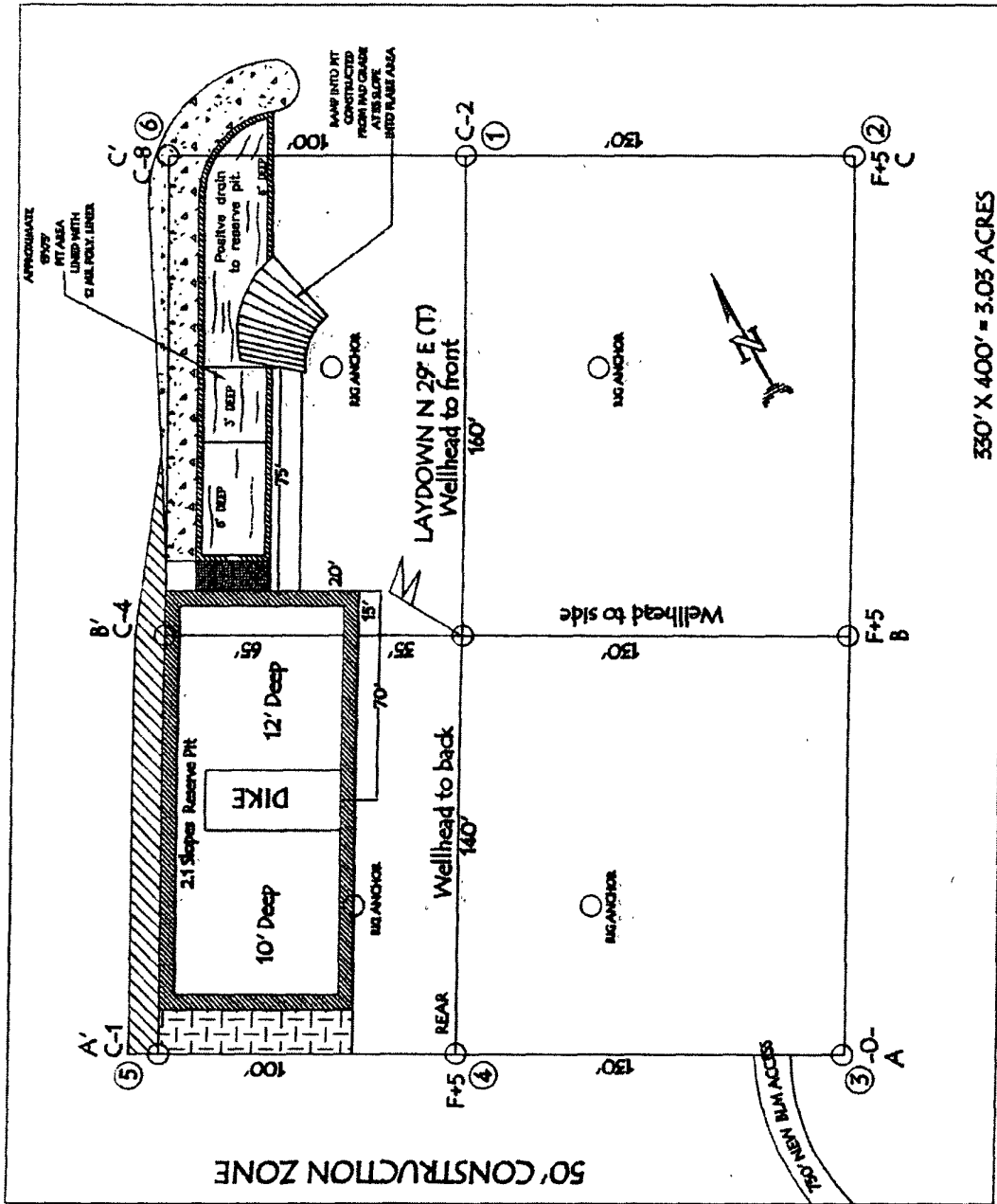
SEE SHEET 3 & 4 FOR PAVING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

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 APPR.	ISSUE DATE
										PROCESS								
										MECHANICAL								
										PIPEWORK								
										ELECTRICAL								
										IT & C								
										ENVIRONMENTAL								
										PROJECT								
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	OSC	PLN											

HP3PHASE-REV1 06/28/2007 06:39pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN 29-7 UNIT 117N, 230' FSL & 1625' FWL SECTION 19, T-29-N, R-7-W, NMMP, RIO ARriba COUNTY, NM GROUND ELEVATION: 6352', DATE: JUNE 4, 2007



330' X 400' = 3.03 ACRES

LATITUDE: 36° 42.2949' N LONGITUDE: 107° 36.7796' W NAD27

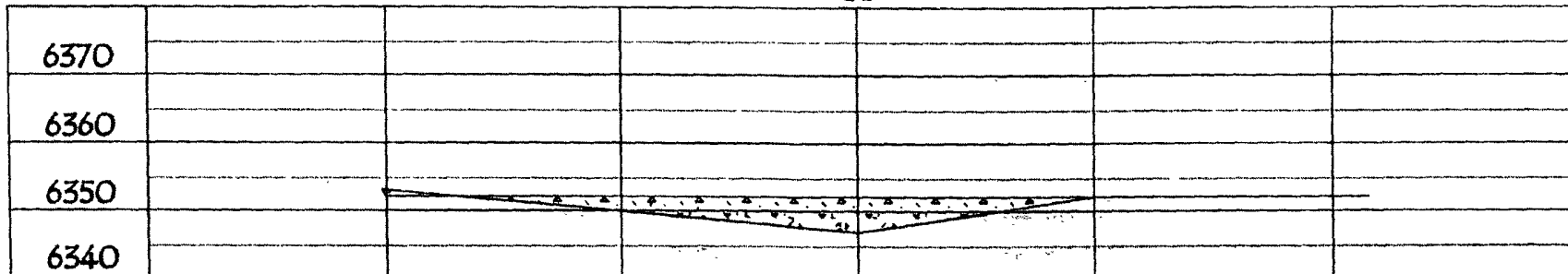
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 117N, 230' FSL & 1625' FWL
 SECTION 19, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6352', DATE: JUNE 4, 2007

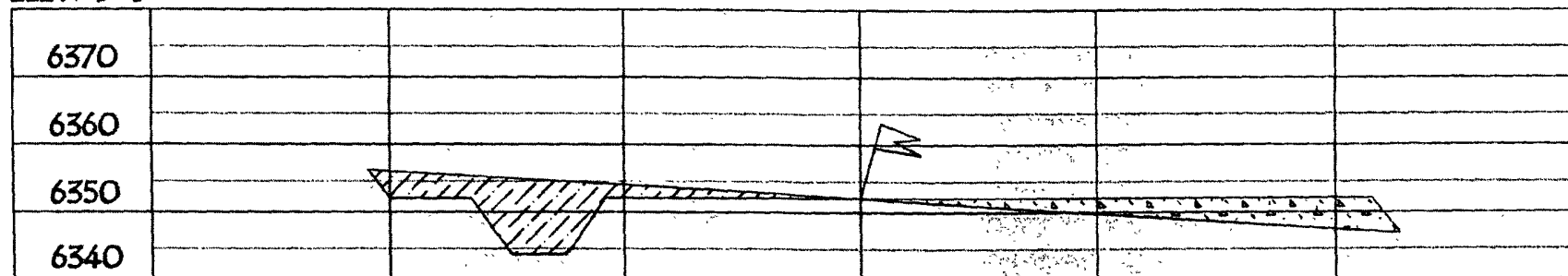
ELEV. A'-A

C/L



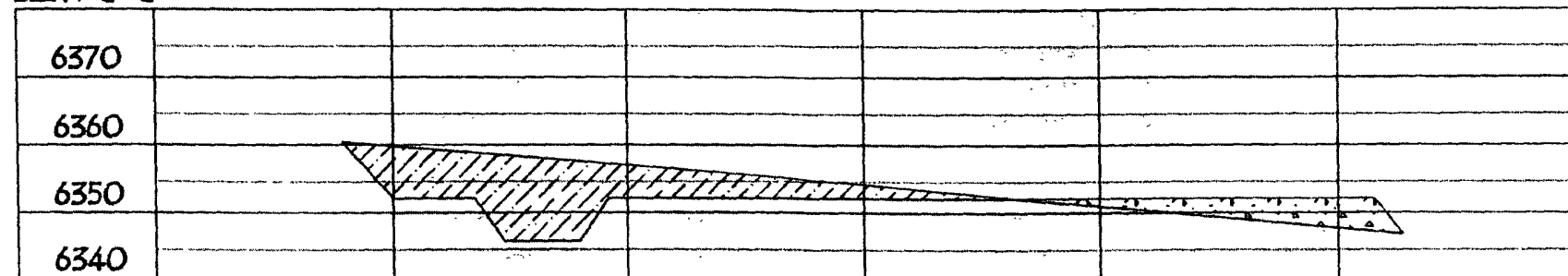
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
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 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.