

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 12 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED OCT 25 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078423 Unit Reporting Number NMNM-7847B-DK NMNM-7847A-MV
1b. Type of Well GAS		6. If Indian, All. or Tribe
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	
4. Location of Well Unit G (SWNE), 1885' FNL & 2165' FEL Surf: Latitude 36.742455 N Longitude 107.592702 W	9. Well Number #141M 10. Field, Pool, Wildcat Basin Dakota/BlancoMesaverde 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 8, T29N, R7W API # 30-045 039-30412	
14. Distance in Miles from Nearest Town 16 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1885'		
16. Acres in Lease 2400.000	17. Acres Assigned to Well MV/DK 320.00 E/S	
18. Distance from Proposed Location to Nearest Well, Drlg. Compl, or Applied for on this Lease 1275' from San Juan 29-7 Unit #48		
19. Proposed Depth 7548'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6240' 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)	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	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE ACM

DATE 12/14/07

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
aw

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

✓ NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 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

Form C-102
Revised October 12, 2005

OCT 25 2007

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

Bureau of Land Management ☐ AMENDED REPORT
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30412	*Pool Code 72319/71599	*Pool Name BLANCO MESAVERDE/BASIN DAKOTA
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT	*Well Number 141M
*OGRID No. 14538	*Operator Name HURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 6240'

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
G	8	29-N	7-W		1885'	NORTH	2165'	EAST	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
Dedicated Acres MV/DK 320.00					Joint or Infill		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

LAT: 36°44.5469' N. LONG: 107°35.5258' W. NAD 1927 LAT: 36.742455' N. LONG: 107.582702' W. NAD 1983	S 89° 40' E 2640.0'		N 0° 03' W 2640.0'
	1885'	2165'	
	8		
	USA SF-078423		

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.

Rhonda Rogers
Signature
RHONDA ROGERS
Printed Name
REGULATORY TECHNICIAN

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.

Date of Survey: 11-9-06
Signature and Seal of Professional Surveyor:
G. W. Russell
Certificate Number 15703

May 27, 2004

Office

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039-

30412

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078423

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

#141M

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota/Blanco MV

SUNDY 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 G : 1885' feet from the North line and 2165' feet from the East line
Section 8 Township 29N Rng 7W NMPM County Rio Arriba

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

6240'

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

1200

<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:

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, ~~Unlined~~

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit 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

TITLE

Regulatory Technician

DATE

1/17/2007

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

DEC 13 2007

Conditions of Approval (if any):

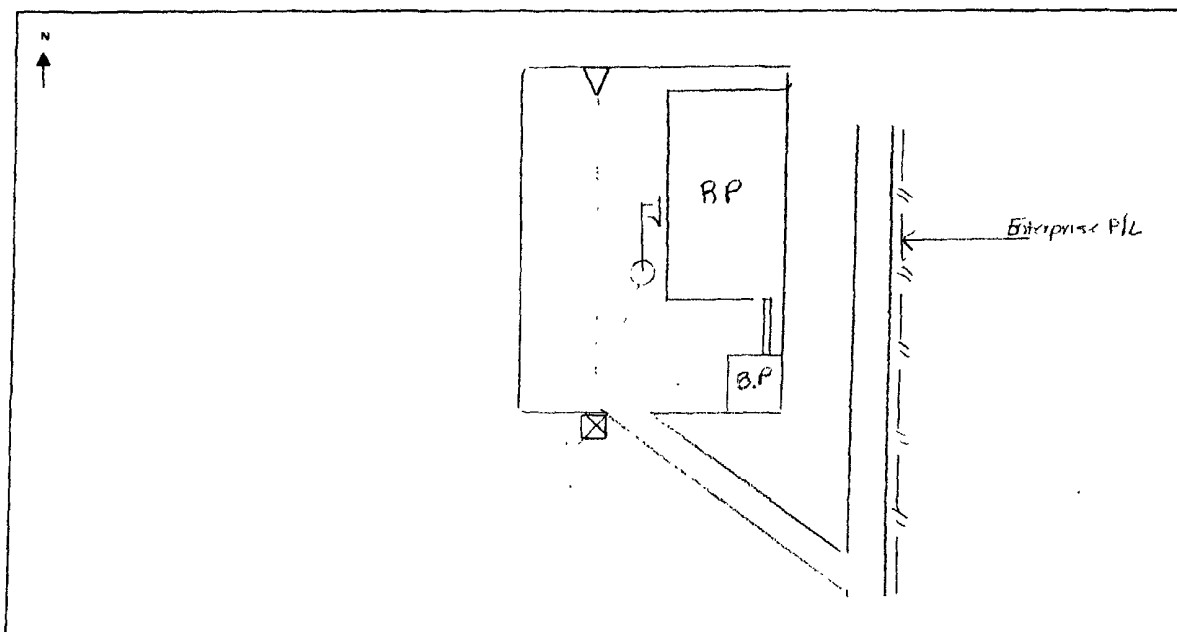


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

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

PURPOSED C.P. SYSYTEM: Drill GB on NW edge of location. Set solar on SW edge of location (S side of access). Trench approx 30' of positive cable from GB to solar. Trench approx 200' of #8 neg cable from purposed 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: M. J. [signature] 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 29-7 UNIT 141M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7031			AFE \$:	
Field Name: hBR SAN JUAN 29-7 UNIT		Rig: Aztec Rig 184		State: NM	County: RIO ARRIBA	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772		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: 36.742449		Longitude: -107.592093		X:	Y:	Section: 08 Range: 007W
Footage X: 2165 FEL		Footage Y: 1885 FNL		Elevation: 6240 (FT)		Township: 029N
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6254 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6038	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJAM	2026	4228	<input type="checkbox"/>			Possible water flows.
KRLD	2215	4039	<input type="checkbox"/>			
FRLD	2773	3481	<input type="checkbox"/>			Possible gas.
PCCF	3044	3210	<input type="checkbox"/>			
LEWS	3211	3043	<input type="checkbox"/>			
Intermediate Casing	3311	2943	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 745 cuft. Circulate cement to surface.
HURF	3729	2525	<input type="checkbox"/>			
CHRA	4022	2232	<input type="checkbox"/>			
UCLFH	4554	1700	<input type="checkbox"/>			
CLFH	4761	1493	<input type="checkbox"/>			Gas; possibly wet
MENF	4859	1395	<input type="checkbox"/>			Gas.
PTLK	5197	1057	<input type="checkbox"/>	500		Gas.
MNCS	5612	642	<input type="checkbox"/>			
UPPER GALLUP	6460	-206	<input type="checkbox"/>			
GRHN	7195	-941	<input type="checkbox"/>	2000		Gas possible, highly fractured
GRRS	7248	-994	<input type="checkbox"/>			
TWLS	7303	-1049	<input type="checkbox"/>			Gas
PAGU	7381	-1127	<input type="checkbox"/>			Gas. Highly Fractured.
CBRO	7400	-1146	<input type="checkbox"/>			
CBRL	7426	-1172	<input type="checkbox"/>			
ENCN	7478	-1224	<input type="checkbox"/>			
TD	7548	-1294	<input type="checkbox"/>			
TOTAL DEPTH DK	7548	-1294	<input type="checkbox"/>			

589 H3 6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 141M

DEVELOPMENT

Reference Type	Well Name	Comments
Intermediate	SJ 29-7 141	8-29N-7W-SE, KB = 6758
Intermediate	SJ 29-7 140N	8-29N-7W-NW, KB = 6238
Intermediate	SJ 29-7 140	8-29N-7W-NW, KB = 6155
Intermediate	SJ 29-7 90A	5-29N-7W-SE, KB = 6104

Logging Program:

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

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

GR/CBL

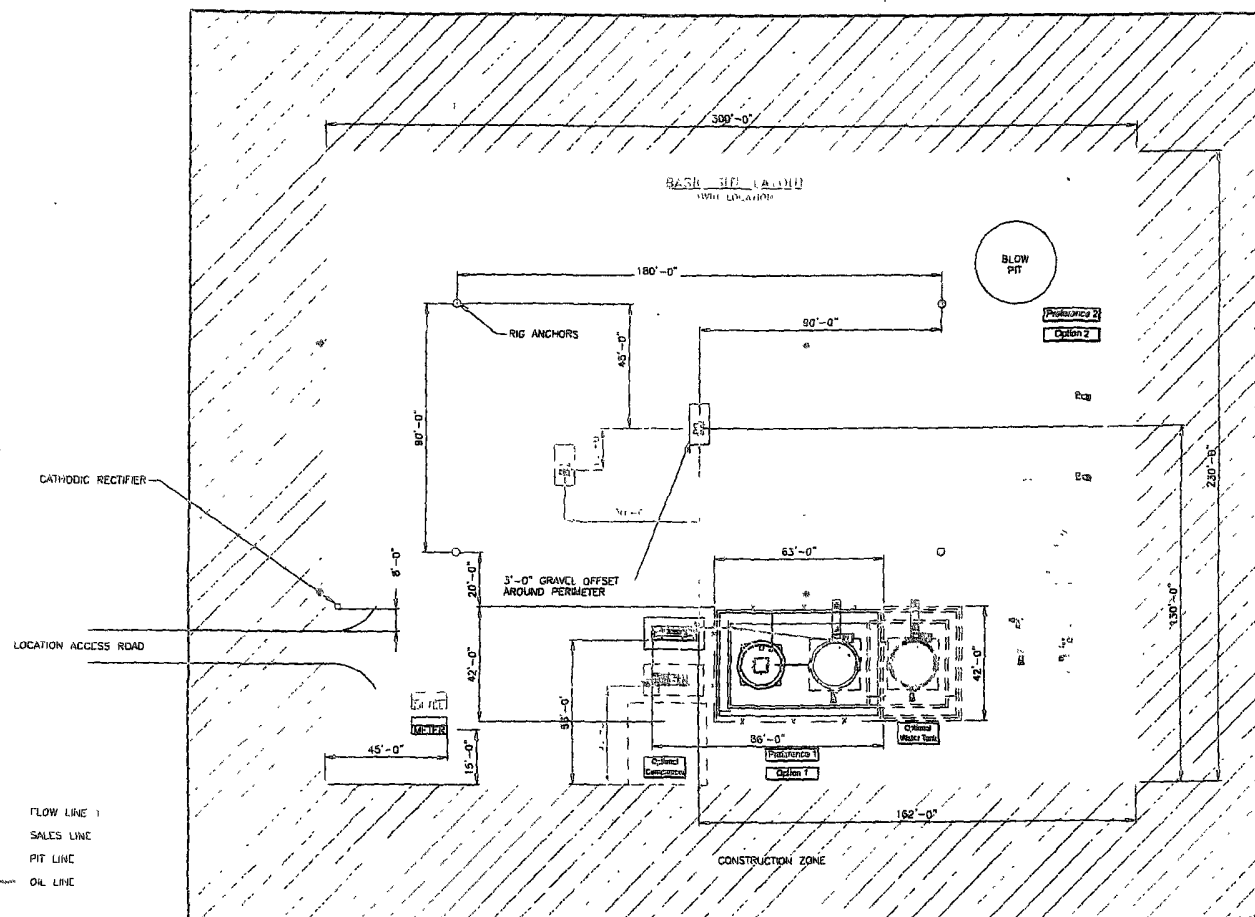
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - TD is 353' below GRHN - Complete ENCN - Last perf @ 7511' DK 29N07W08NE1 AND MVNM029N007W08NE2

Zones - DK 29N07W08NE1 AND MVNM029N007W08NE2

General/Work Description - INCLUDES LEWIS



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

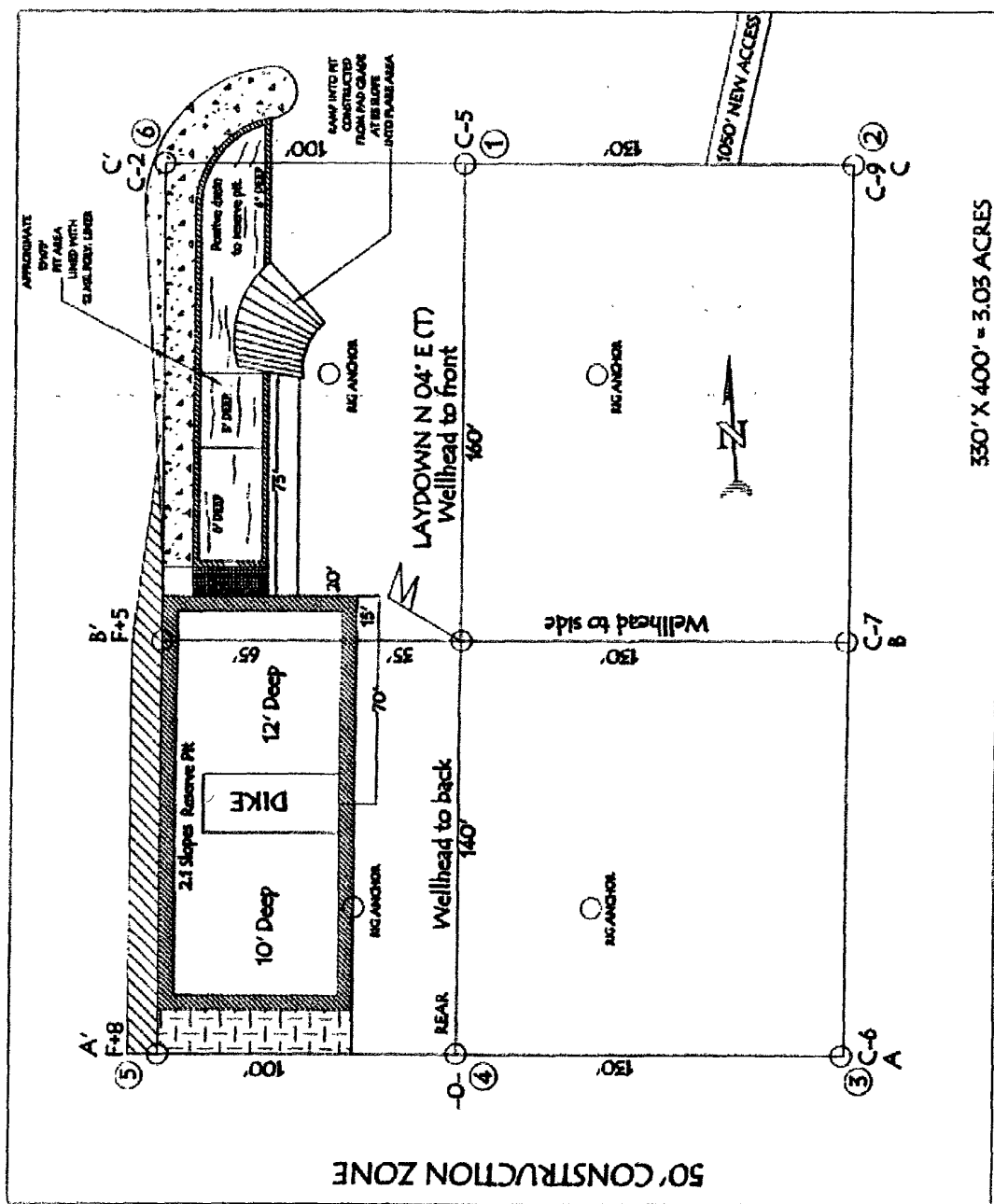
SHEET 1 OF 2

										CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT		
ENGINEERING REVIEW DESIGNED BY: _____ REVIEWED BY: _____ DATE: _____										REFERENCE DRAWINGS NO. _____ DESCRIPTION: _____		
PROCESS MECHANICAL PIPING ELECTRICAL T & C CIVIL/STRUCTURAL CHEMICAL										CONOCO PHILLIPS SAN JUAN BUSINESS UNIT		
CLIENT NO. _____ CLIENT ADDR. _____ PROJECT DATE: 6/28/87 DESIGN BY _____ SCALE: 1/8" = 1'-0" DATE: 10/1/87 HP3PHASE-REV1										SHEET NO. 1 of 3		

Process: Signal Acid Androgen Regulatory Time Location Site Layout Ship 06/28/2007 - 02:04pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 141M, 1885' FNL & 2165' FEL
SECTION 8, T-29-N, R-7-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6240', DATE: NOVEMBER 7, 2006

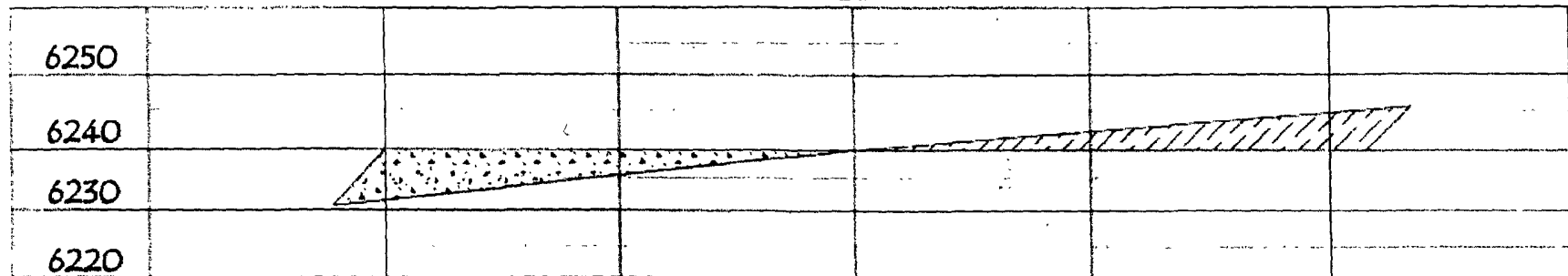
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 29-7 UNIT 141M, 1885' FNL & 2165' FEL
 SECTION 8, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6240', DATE: NOVEMBER 7, 2006

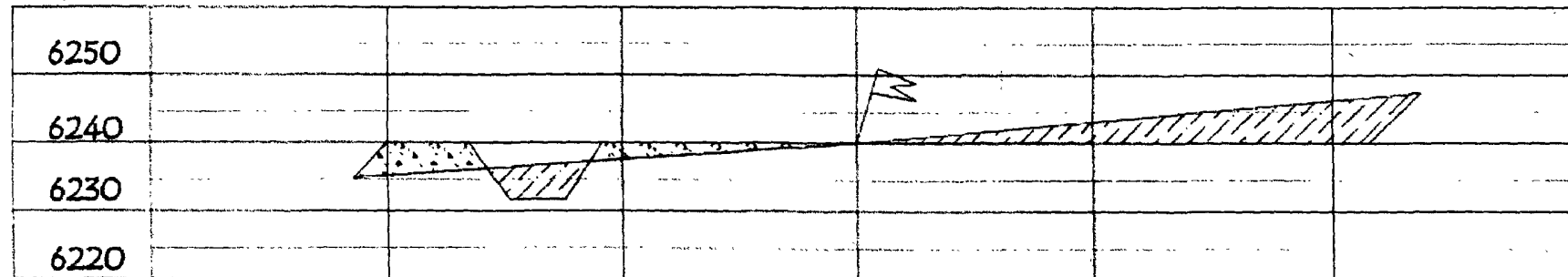
ELEV. A'-A

C/L



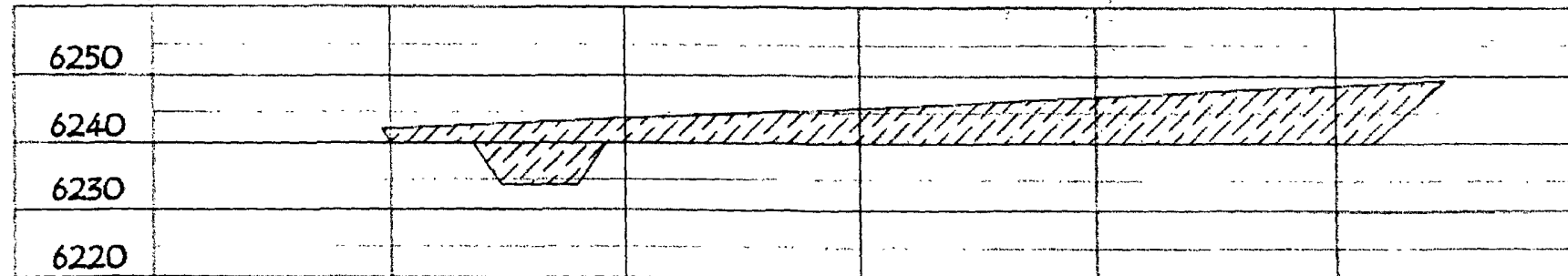
ELEV. B'-B

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.