

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 27 2007

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079729 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD DEC 31 '07	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. SAN JUAN 28-4 DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit F (SENW), 1915' FNL & 1530' FWL Surf: Latitude 36° 38.9198 N Longitude 107° 16.5950 W	9. Well Number #17B 10. Field, Pool, Wildcat Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T28N, R4W API # 30-039- 30382	
14. Distance in Miles from Nearest Town 40 mile/BLANCO	12. County RIO ARRIBA	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1530'	17. Acres Assigned to Well MV 320 (N/2)	
16. Acres in Lease 2560	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2728' FROM SJ 28-4 28	
19. Proposed Depth 6816'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7440' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTIFY AZTEC OCT 24 HRS. PRIOR TO CASING & CEMENT	
24. Authorized by: Rhonda Rogers (Regulatory Technician)	9-27-07 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

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

NMOCD

8

JAN 08 2008

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1901 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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30382		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 7459	*Property Name SAN JUAN 28-4 UNIT		*Well Number 17B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 7440'

¹⁰ Surface Location

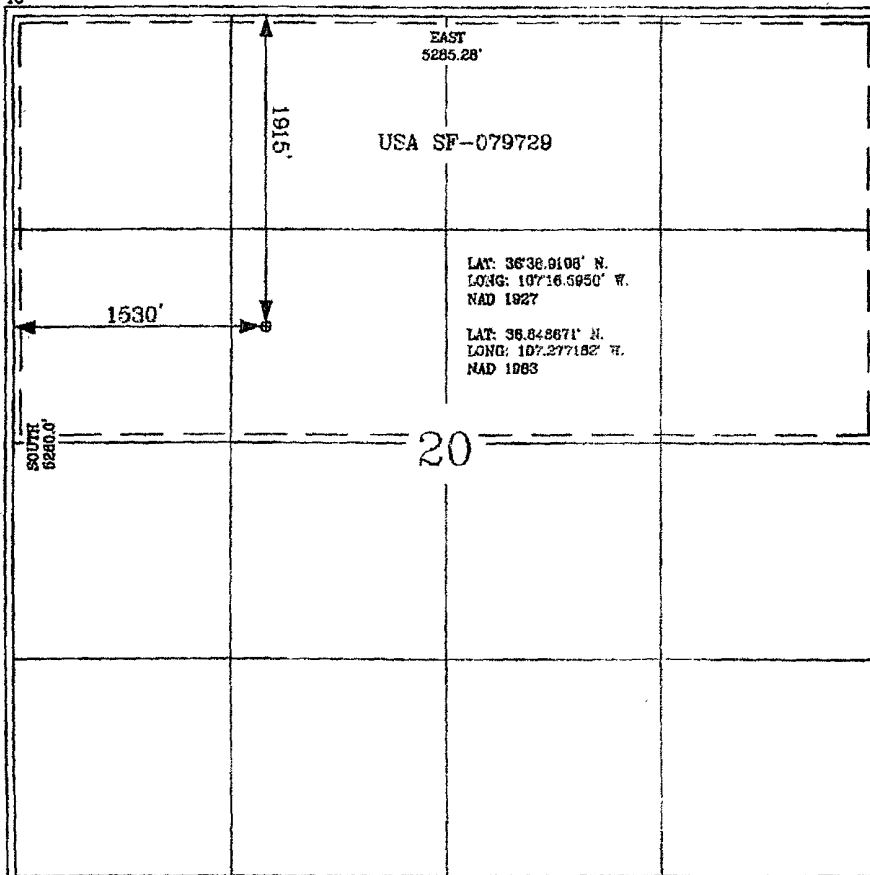
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	28-N	4-W		1915'	NORTH	1530'	WEST	RIO ARriba

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									
*Dedicated Acres 320.00 N/2			*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

16



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.

6/11/07

Kandis Roland
Signature
Kandis Roland
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.

5-
Date of Survey
Signature
GLEN RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

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

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.)		WELL API NO. 30-039- 30382
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No. Federal Lease #USA SF-079729
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name SAN JUAN 28-4 UNIT
4. Well Location Unit Letter <u>F</u> : <u>1915'</u> feet from the <u>North</u> line and <u>1530'</u> feet from the <u>West</u> line Section <u>20</u> Township <u>28N</u> Rng <u>4W</u> NMPM County <u>Rio Arriba</u>		8. Well Number #17B
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7440'		9. OGRID Number 14538
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat BLANCO MESAVERDE
Pit type <u>New Drill</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>1000</u> Pit Liner Thickness: <u>NA</u> mil Below-Grade Tank: <u>Volume</u> 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	☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK	☐	ALTERING CASING	☐
COMMENCE DRILLING OPNS.	☐	P AND A	☐
CASING/CEMENT JOB	☐		

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, 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 Rhonda Rogers TITLE Regulatory Technician DATE 9-27-07Type 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, DATE JAN 08 2008

Conditions of Approval (if any):

District #3

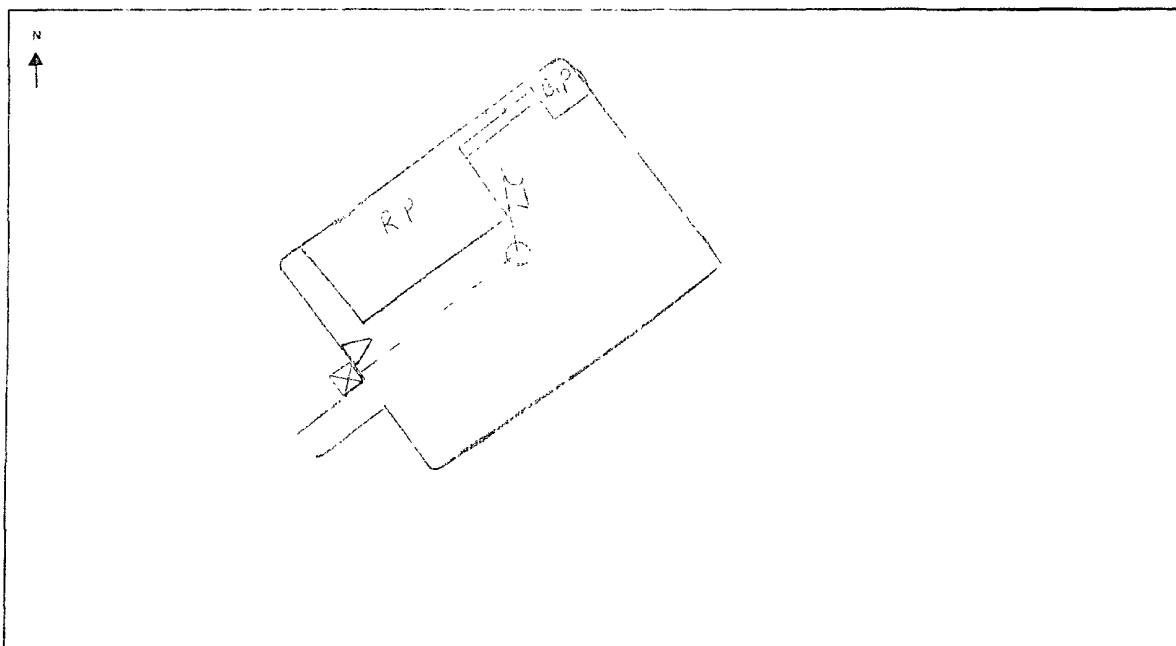


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 28-4 #1713 LEGALS 420-28-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Dull GE and set solar on SW edge of the location. Trench approx 1100' of #8 neg from proposed well to solar



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

COMMENTS: _____

NEAREST POWER SOURCE _____ DISTANCE: _____

PIPELINES IN AREA: _____

TECHNICIAN: M. J. Higgins DATE: 8/17/07

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 28-4 UNIT 17B

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7830		AFE \$: 579,566.32	
Field Name: hBR_SAN JUAN 28-4 UNIT		Rig: XXX 2009 Vertical		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
Location: Surface					
Latitude: 36.648862		Longitude: -107.276582		Datum Code: NAD 27	
Footage X: 1530 FWL		Footage Y: 1915 FNL		Elevation: 7440 (FT)	
Tolerance:		X:		Y:	
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	
Formation Data: Assume KB = 7456		Units = FT		Date In Operation:	
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)
Surface Casing		200	7256	☐	
OJO ALAMO		3719	3737	☐	
KIRTLAND		3929	3527	☐	
FRUITLAND		4199	3257	☐	Possible Gas
Intermediate Casing		4224	3232	☐	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 952 cuft. Circulate cement to surface.
PICTURED CLIFFS		4429	3027	☐	
LEWIS		4551	2905	☐	
HUERFANITO BENTONITE		5042	2414	☐	
CHACRA		5399	2057	☐	
MASSIVE CLIFF HOUSE		6197	1259	☐	989 Gas
MENELEE		6279	1177	☐	
MASSIVE POINT LOOKOUT		6570	886	☐	BP +740' SS, TD 100' below BP in 28-4 #17-20
Total Depth		6816	640	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 357 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					
Reference Type	Well Name		Comments		
Production	28-4 #17-20		NE 20-28N-4W		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-4 UNIT 17B

DEVELOPMENT

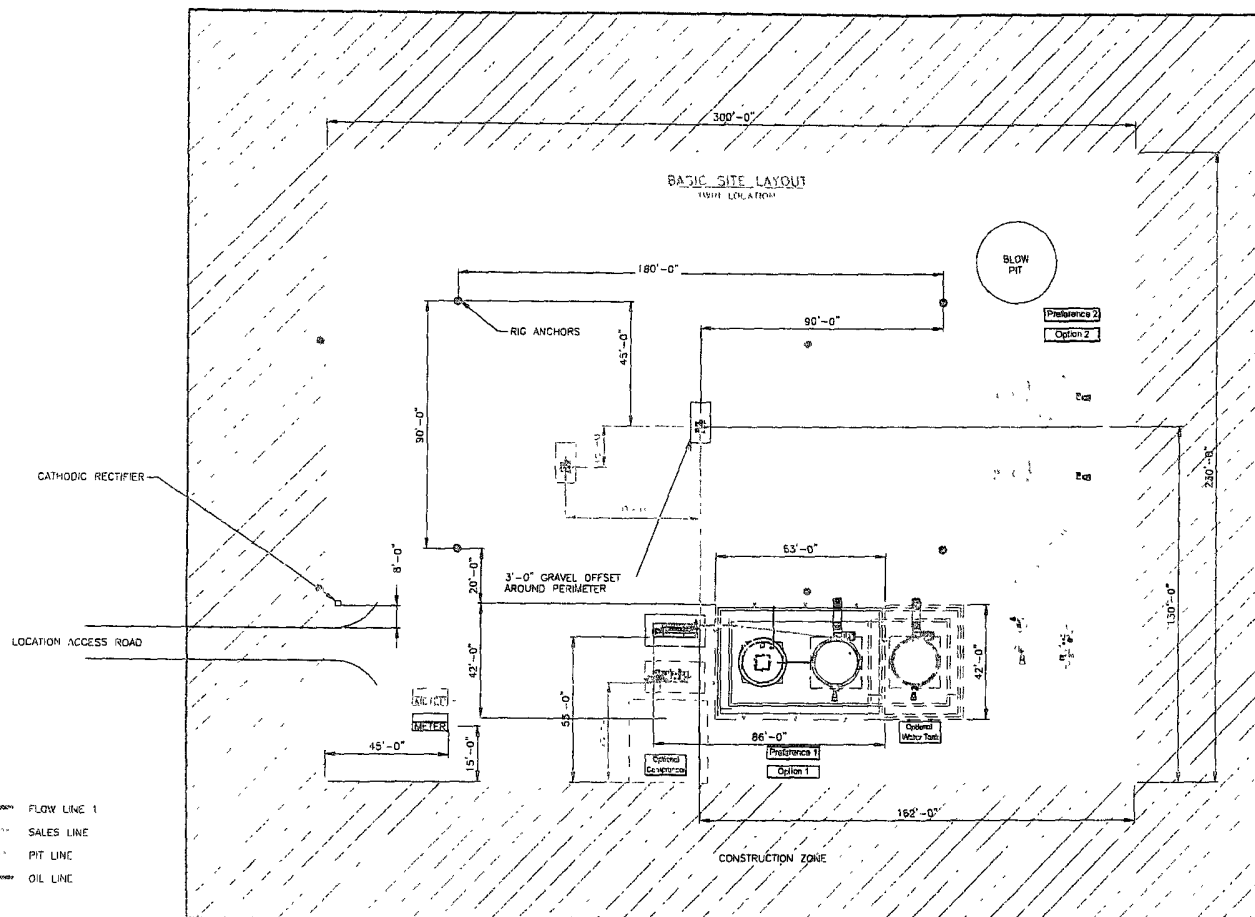
Logging Program:		
Intermediate Logs:	☐ Log only if show	☐ GR/ILD ☐ Triple Combo

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

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

Comments: Location/Tops/Logging - MVNM028N004W20NW2

Zones - MVNM028N004W20NW2



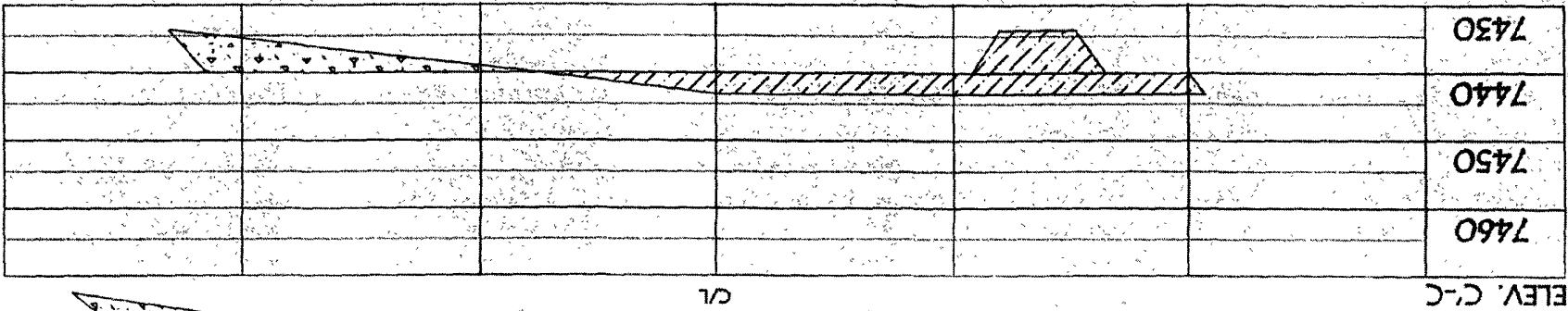
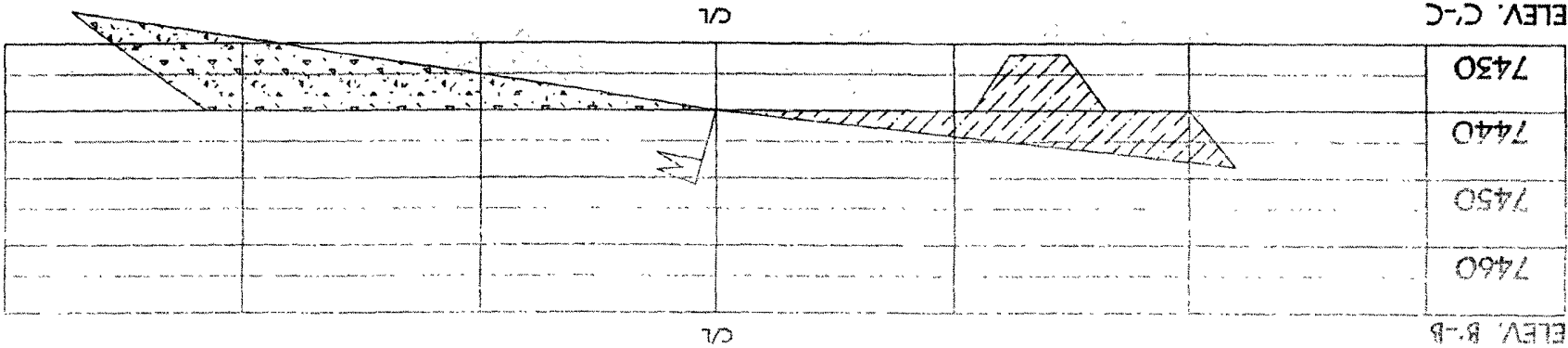
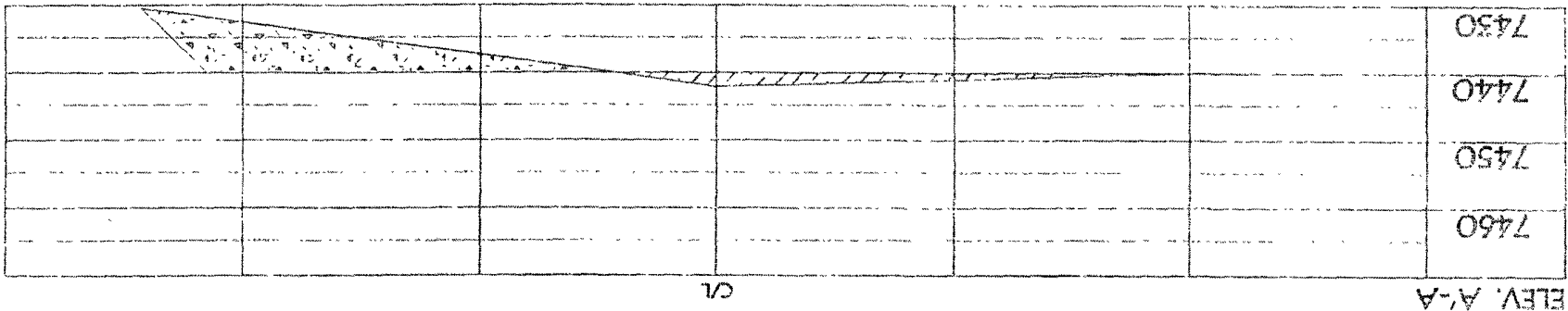
SEE SHEET 2 OF 5 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT	CLIENT INFORMATION		
DESCRIPTION	DATE	BY	CHK'D	ENG	SPC	PRJ	DESIGNED	REVIEWED	DATE	NO.	DESCRIPTION		CLIENT FILE	CLIENT APPRO	APPRO DATE
PROCESS												SAN JUAN BUSINESS UNIT	ORDER BY	SCALE INCHES	CHECKED DATE 6/20/07
MECHANICAL															
ELECTRICAL															
3 & C															
CIVIL/STRUCTURAL															
PROJECT															
													HP3PHASC-REV1		

HP3PHASC-REV1 (Amended) - Typical Location Site Layout.dwg 06/20/2007 - 02:39pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 28-4 UNIT 17B, 1915' FNL & 1530' FWL
 SECTION 20, T-28-N, R-4-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 7440', DATE: MAY 1, 2007



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.