

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 1 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079363 Unit Reporting Number
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 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: #208N
4. Location of Well Surf: Unit A (NENE), 1143' FNL & 414' FEL Bottom: Unit I (NESE), 2475' & 414' FEL Surf: Latitude 36.59273 N Longitude 107.42871 W Surf: Latitude 36.58832 N Longitude 107.42882 W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 11, T27N, R6W API # 30-039- 30586
14. Distance in Miles from Nearest Town 37 miles/Blanco	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 414'	
16. Acres in Lease 2560.420	17. Acres Assigned to Well MV - 320.00 (E/2) DK - 320.00 (S/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 615' from SJ 28-6 #158E - DK/MV	
19. Proposed Depth 7806'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6589' GR	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)	<u>11/16/08</u> 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
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD

P.A.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS

NOTIFY AZTEC OCD 24 HRS. DEC 02 2008
PRIOR TO CASING & CEMENT

DISTRICT I
1635 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

DISTRICT III
1000 Rio Bravo Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1280 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-305810	Pool Code 71599/72319	Pool Name BASIN DAKOTA/BLANCO MESAVERDE
Property Code 7462	Property Name SAN JUAN 28-6 UNIT	Well Number 208 N
OGWD No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6589'

10 Surface Location

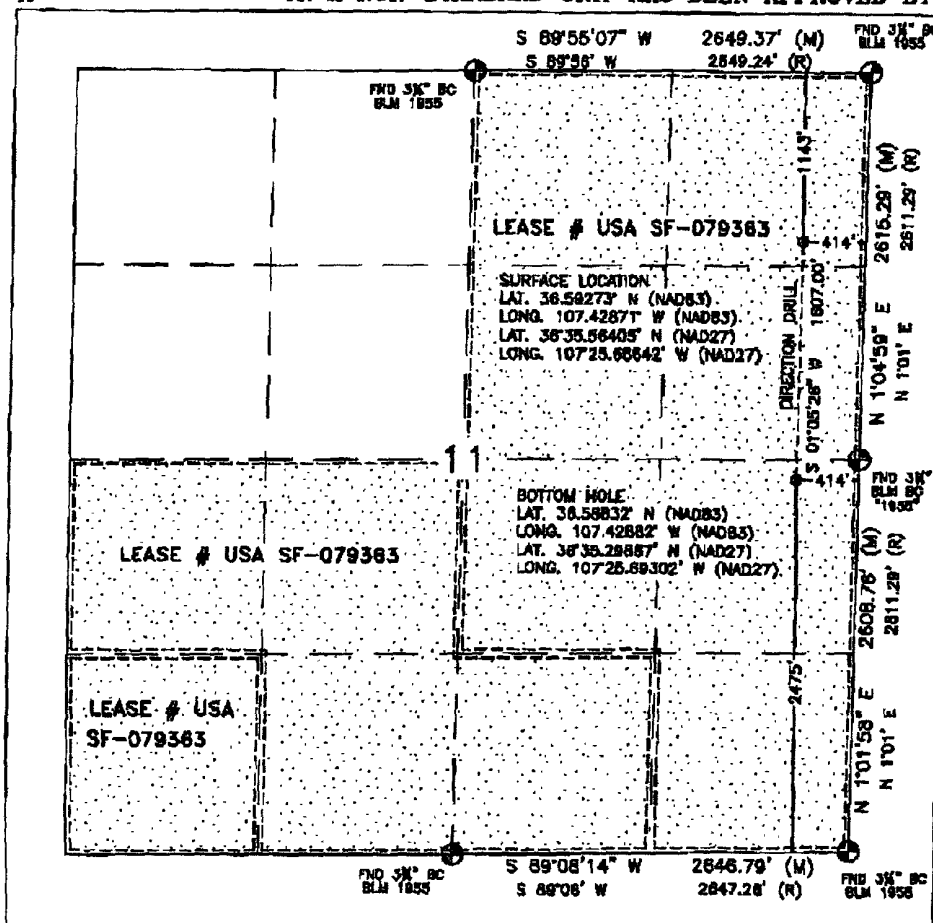
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	27N	6W		1143'	NORTH	414'	EAST	RIO ARriba

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
I	11	27N	6W		2475'	SOUTH	414'	EAST	RIO ARriba
Dedicated Acres DK-320.00 Acres - (S/2) MV-320.00 Acres - (E/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

18



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 an 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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/14/08
Signature Date
Crystal Tafoya 5-14-08
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.

APRIL 30, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David Russell
DAVID R. RUSSELL
NEW MEXICO
10201
PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL

Certificate Number 10201

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08.25

WELL NAME

SAN JUAN 28 - 6 # 208 N

DATE

5/15/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES**SEC**

A11

TNSHP

27 N

RANGE

6 W

LATITUDE

36.59273 N

LONGITUDE

107.42871 W

COUNTY

RIO ARRIBA

RECTIFIER

30/12

X

SOLARGROUND BED

X

240 V METER POLE480 V METER POLED C CABLES

8

200'

A C CABLES

8

300'

PRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP**SIZE****NEEDED****EXISTING****1 PHASE****3 PHASE**

JEMEZ

1900'

COMMENTS

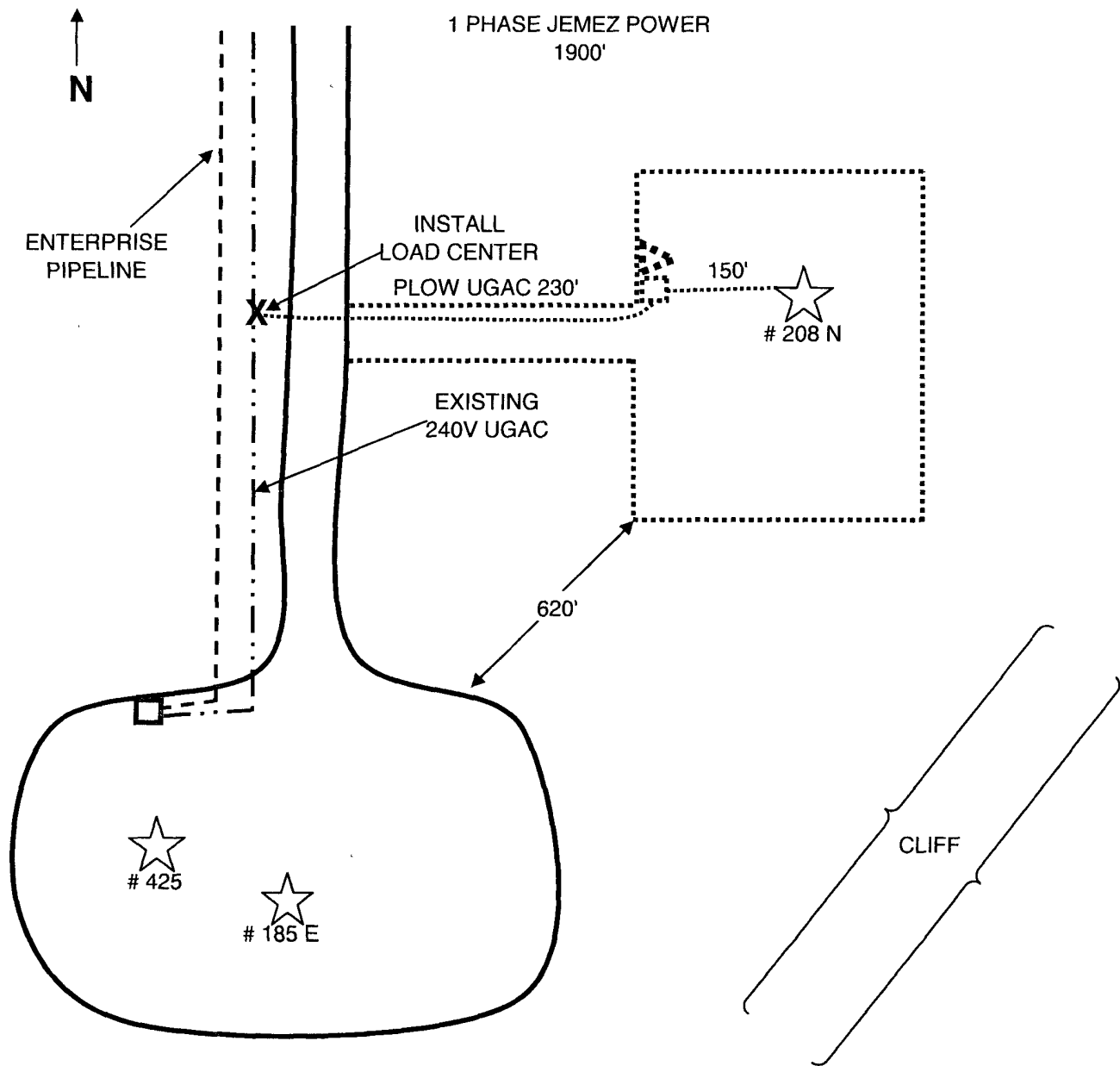
INSTALL LOAD CENTER

PLOW UGAC 230'

INSTALL SINGLE WELL RECTIFIER SYSTEM

1 PHASE JEMEZ POWER - 1900'

WELL NAME	SAN JUAN 28 - 6 # 208 N
------------------	--------------------------------



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE
			FOREIGN PL		CONOCO PL

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 208N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8023				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA		
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Datum Code: NAD 27							
Latitude: 36.592721		Longitude: -107.428107		X:	Y:	Section: 11	Range: 006W
Footage X: 414 FEL		Footage Y: 1143 FNL		Elevation: 6589	(FT)	Township: 027N	
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.588311		Longitude: -107.428217		X:	Y:	Section: 11	Range: 006W
Footage X: 414 FEL		Footage Y: 2475 FSL		Elevation:	(FT)	Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6604 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	335	6269	☐			12-1/4 hole. 920' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 244 cuft. Circulate cement to surface.	
OJO ALAMO	2639	3965	☐				
KIRTLAND	2831	3773	☐				
FRUITLAND	3029	3575	☐			Possible Gas	
PICTURED CLIFFS	3361	3243	☐				
LEWIS	3480	3124	☐				
HUERFANITO BENTONITE	3867	2737	☐				
CHACRA	4311	2293	☐				
Intermediate Casing	4900	1704	☐			8 3/4" Hole. 7" 20 ppf, J-55, STC LTC Casing. Cement with 1689 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	4994	1610	☐			Gas	
MASSIVE CLIFF HOUSE	5044	1560	☐	704		Gas	
MENEFEE	5140	1464	☐				
POINT LOOKOUT	5559	1045	☐				
MANCOS	6003	601	☐				
GALLUP	6714	-110	☐				
GREENHORN	7462	-858	☐				
GRANEROS	7529	-925	☐				
TWO WELLS	7553	-949	☐	1450		Gas	
PAGUATE	7651	-1047	☐				
CUBERO	7676	-1072	☐				
LOWER CUBERO	7714	-1110	☐				
ENCINAL	7781	-1177	☐			TD - 25' Below Top of Encinal	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 208N

DEVELOPMENT

Total Depth	7806	-1202	☐	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 429 cuft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	-------	--------------------------	---

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☒ RFT ☐ Sonic ☒ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	

Mudlog from 100' above Greenhorn to TD - mudlogger will call TD

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

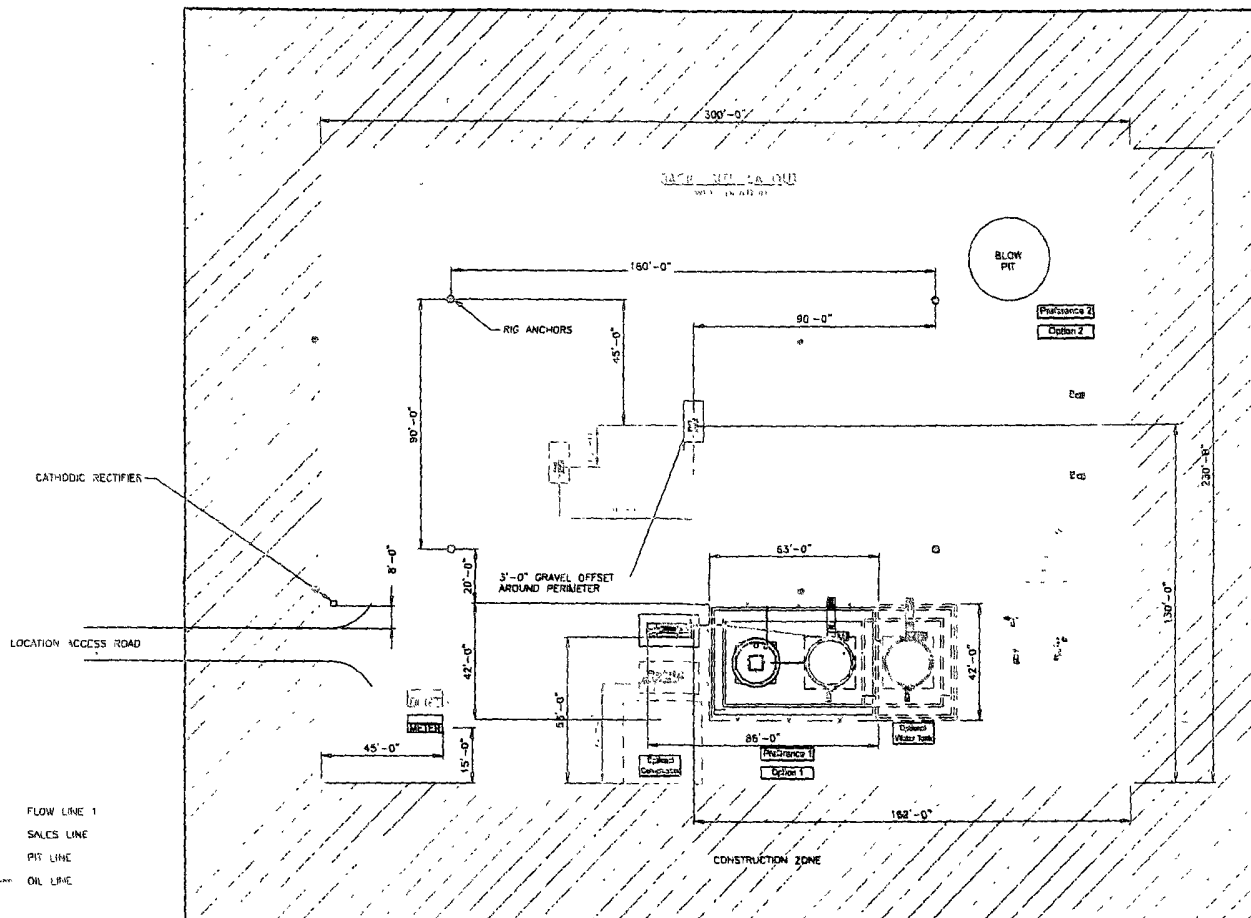
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #208N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6604 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6604 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #208N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,784.4	2,639.0	Ojo Alamo		0.00	
2,997.2	2,831.0	Kirtland		0.00	
3,216.7	3,029.0	Fruitland		0.00	
3,584.8	3,361.0	Pictured Cliffs		0.00	
3,716.7	3,480.0	Lewis		0.00	
4,145.7	3,867.0	Huerfano Bentonite		0.00	
4,630.6	4,311.0	Chacra		0.00	
5,323.3	4,994.0	Upper Cliffhouse		0.00	
5,373.3	5,044.0	Mass Cliffhouse		0.00	
5,469.3	5,140.0	Menefee		0.00	
5,888.3	5,559.0	Pt. Lookout		0.00	
6,332.3	6,003.0	Mancos Shale		0.00	
7,043.3	6,714.0	Gallup		0.00	
7,791.3	7,462.0	Greenhorn		0.00	
7,858.3	7,529.0	Graneros		0.00	
7,882.3	7,553.0	Two Wells		0.00	
7,980.3	7,651.0	Paguate		0.00	
8,005.3	7,676.0	Upper Cubero		0.00	
8,043.3	7,714.0	Lower Cubero		0.00	
8,110.3	7,781.0	Encinal		0.00	



SOL SHEET 3.2 / FOR PILING DETAILS
ALL UNDERGROUND PIPES TO BE BURIED 4 MIN. OF 3'-0" TOP

SHEET 1 OF 3

ENGINEERING REVIEW										REFERENCE DRAWINGS		ConocoPhillips	CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
NO.	DESCRIPTION	DATE	BY	CHKD	APP'D	REV	DATE	BY	CHKD	NO.	DESCRIPTION		DATE	BY	CHKD
1	PROCESS									10		SAN JUAN BUSINESS UNIT	DATE	BY	CHKD
2	MECHANICAL												DATE	BY	CHKD
3	Piping												DATE	BY	CHKD
4	ELECTRICAL												DATE	BY	CHKD
5	HAZOP												DATE	BY	CHKD
6	HAZID											HP3PHASE-REV1			1 of 3

Drawn by: [Name] Checked by: [Name] Location: [Location] Date: [Date] Rev: [Rev]

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 28-6 UNIT #208 N
1143' FNL & 414' FEL
LOCATED IN THE NE/4 NE/4 OF SECTION 11,
T27N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM INTERSECTION OF HWY 64 AND CR 366, (GENERAL AMERICAN RD.), GO SOUTH ON CR 366, 6.6 MILES.
 -) TURN RIGHT, GO WEST 1.9 MILES.
 -) TURN RIGHT & GO UPHILL FOR 0.55 MILES.
 -) TURN LEFT & GO 0.5 MILES.
 -) TURN LEFT & GO 0.4 MILES TO BEGIN ACCESS ON LEFT.
 -) TURN LEFT & FOLLOW RED FLAGGING FOR $\pm 217'$ TO LOCATION.

WELL FLAG LOCATED LAT. 36.59273°N LONG. 107.42871°W (NAD 83)