

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 5 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078424-A	
1b. Type of Well GAS	6. If Indian, All. or Tribe CA-NMNM-116787-D/K NMNM-78417A-MV	
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 N. (SESW) 865' FSL & 1900' FWL Surf. Unit O. (SWSE) 710' FSL & 1890' FEL BH Surf. Latitude-36.706359N Longitude-107.524844 W BH. Latitude-36.705904 N Longitude-107.519754 W	10. Field, Pool, Wildcat Basin DK/Blanco, MV 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 24, T29N, R7W Surf. O Sec. 24, T29N, R7W BH API # 30-039-30506	
14. Distance in Miles from Nearest Town 32 miles to Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	17. Acres Assigned to Well DK & MV - 320 - (2/2)	
16. Acres in Lease 160.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 54' from San Juan 29-7 Unit #73		
19. Proposed Depth 8047'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6735 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)	Date	

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

Hold C104

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

NMOCD

for Directional Survey
and "As Drilled" plat

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

DEC 17 2008

DISTRICT I
1625 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 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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

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

MAR 31 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Bureau of Land Management

Farmington Field Office
BASIN DAKOTA/BLANCO MESAVERDE

¹ API Number 30-039-30500	² Pool Code 72319/71599	³ Property Name SAN JUAN 29-7 UNIT
⁴ Property Code 7465	⁵ Well Number 71M	⁶ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP
⁷ GRID No. 14538	⁸ Elevation 6735'	

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	24	29-N	7-W		865'	SOUTH	1900'	WEST	RIO ARriba

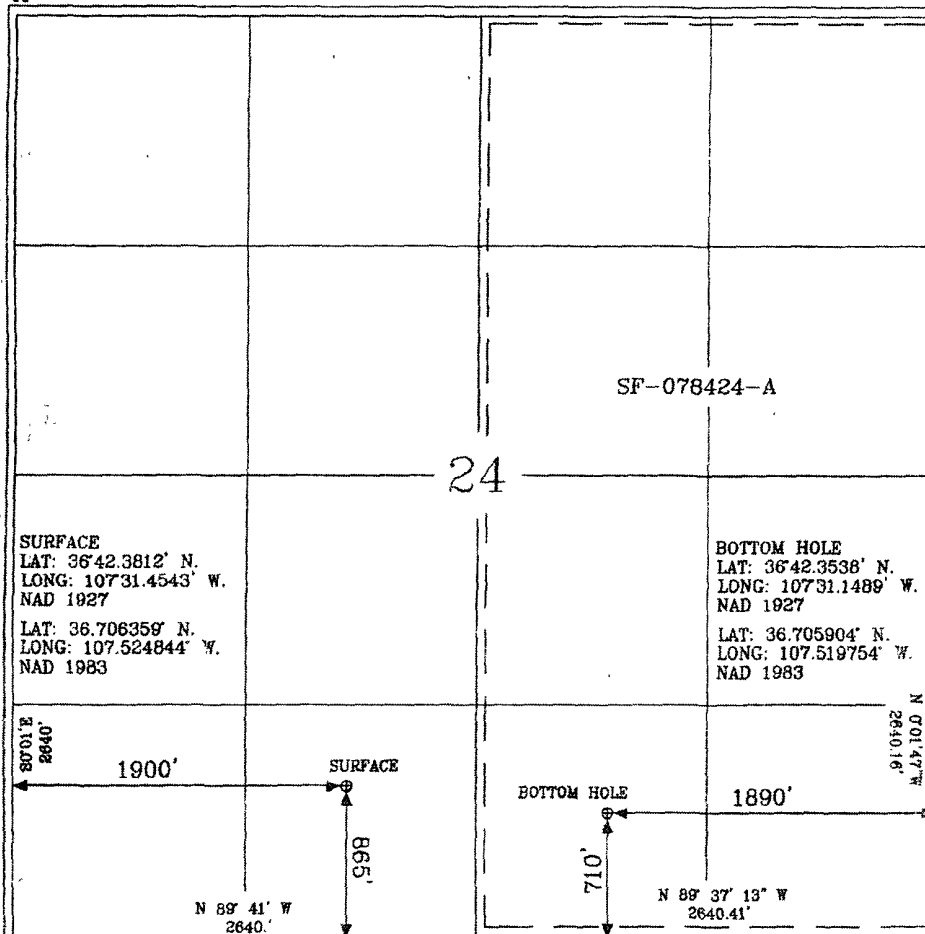
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	24	29-N	7-W		710'	SOUTH	1890'	EAST	RIO ARriba

¹² Dedicated Acres 320.00 (6 1/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

Crystal Walker 3/31/08
Signature

Crystal Walker 3-31-08
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.

7-18-07
Date of Survey

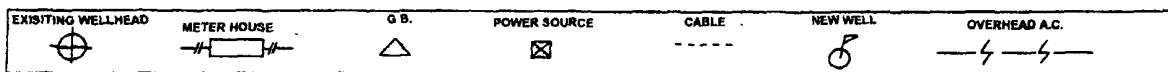
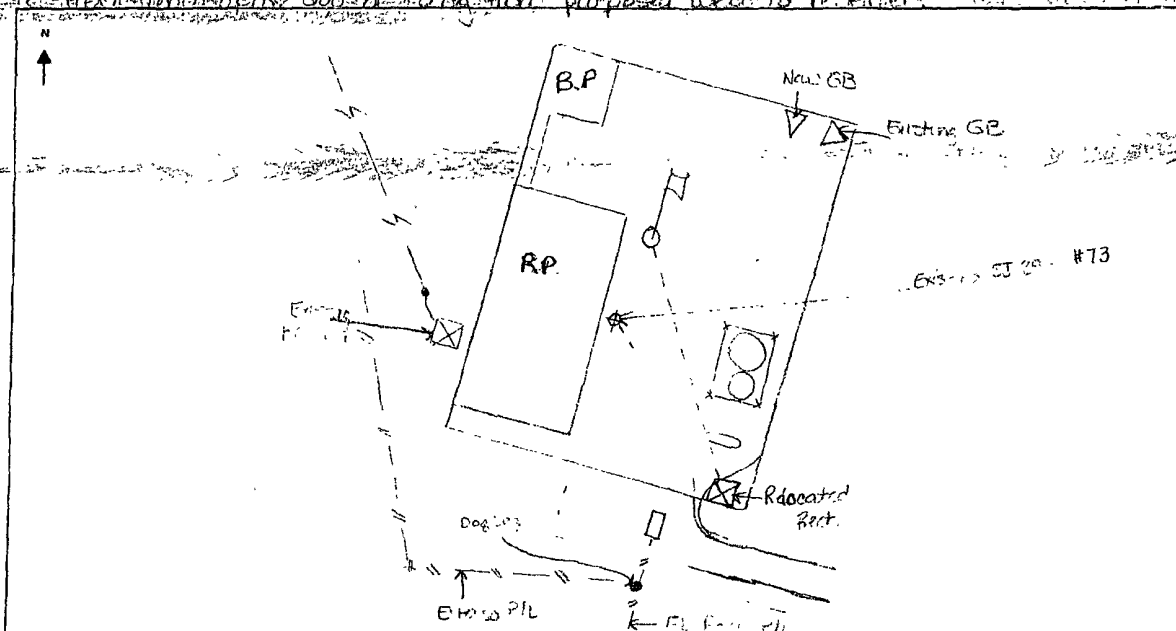
G. Russell
Signature

15703
Certificate Number



WELL NAME ST 29-7 #71M LEGALS N-24-20-7 COUNTY Sierra

PURPOSED C.P. SYSTEM: Drilled 6" by 12" edge in location and tie into existing CP system. Upgrade and relocate rectifier. Trench approx 250' of AK from HP to rectifier. Trench approx 300' of positive from GB system in rectifier. Trench approx 160' of #8 bar from existing J 29-11673 to rectifier. Trench approx 200' of #8 bar from proposed well 11673 to rectifier.



COMMENTS: $3.2a / 14.3v = 4.4 \text{ ohm GB}$ / Rectifier needs to be upgraded & replaced

NEAREST POWER SOURCE Oregonian Dr. MF = 63415554 DISTANCE: same. paid
PIPELINES IN AREA: El Paso P/L X2

TECHNICIAN: Mr. A. Kinnear 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 71M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7138		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 730		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: Surface					
Datum Code: NAD 27		Deviated			
Latitude: 36.706353	Longitude: -107.624234	X:	Y:	Section: 24	Range: 007W
Footage X: 1900 FWL	Footage Y: 865 FSL	Elevation: 6735	(FT)	Township: 029N	
Tolerance:					
Location: Bottom Hole					
Datum Code: NAD 27		Deviated			
Latitude: 36.705897	Longitude: -107.519148	X:	Y:	Section: 24	Range: 007W
Footage X: 1890 FEL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6751 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6551	☐		
OJAM	2672	4079	☐		
KRLD	2799	3952	☐		
FRLD	3192	3559	☐		Possible Gas
PCCF	3560	3191	☐		
LEWS	3715	3036	☐		
Intermediate Casing	4400	2351	☐		
CHRA	4536	2215	☐		
UCLFH	5112	1639	☐		Gas
MASSIVE CLIFF HOUSE	5302	1449	☐	649	Gas
MENF	5412	1339	☐		
PTLK	5762	989	☐		
MNCS	6211	540	☐		
GLLP	7005	-254	☐		
GRHN	7734	-983	☐		
GRRS	7795	-1044	☐		
TWLS	7846	-1095	☐	2400	Gas
PAGU	7925	-1174	☐		
CBRO	7947	-1196	☐		
CBRL	7979	-1228	☐		
ENCINAL	8047	-1296	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 71M

DEVELOPMENT

TOTAL DEPTH DK	8047	-1296	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 498 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 29-7 #73	SW 24-29N-7W
Production	SJ 29-7 71B	NE 24-29N-7W

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR_CBL, MUDLOG 100' above GRHN to TD	

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

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 29-7 #71M
Project:	San Juan Basin	TVD Reference:	WELL @ 6750.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6750.0ft (Original Well Elev)
Well:	SJ 29-7 #71M	North Reference:	True
Wellbore:	SJ 29-7 #71M	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
8,253.0	0.00	0.00	7,947.0	-155.0	1,490.0	1,498.0	0.00	0.00	0.00
Upper Cubero									
8,285.0	0.00	0.00	7,979.0	-155.0	1,490.0	1,498.0	0.00	0.00	0.00
Lower Cubero									
8,300.0	0.00	0.00	7,994.0	-155.0	1,490.0	1,498.0	0.00	0.00	0.00
8,353.0	0.00	0.00	8,047.0	-155.0	1,490.0	1,498.0	0.00	0.00	0.00
Encinal - TD - SJ 29-7 #71M - PCP									

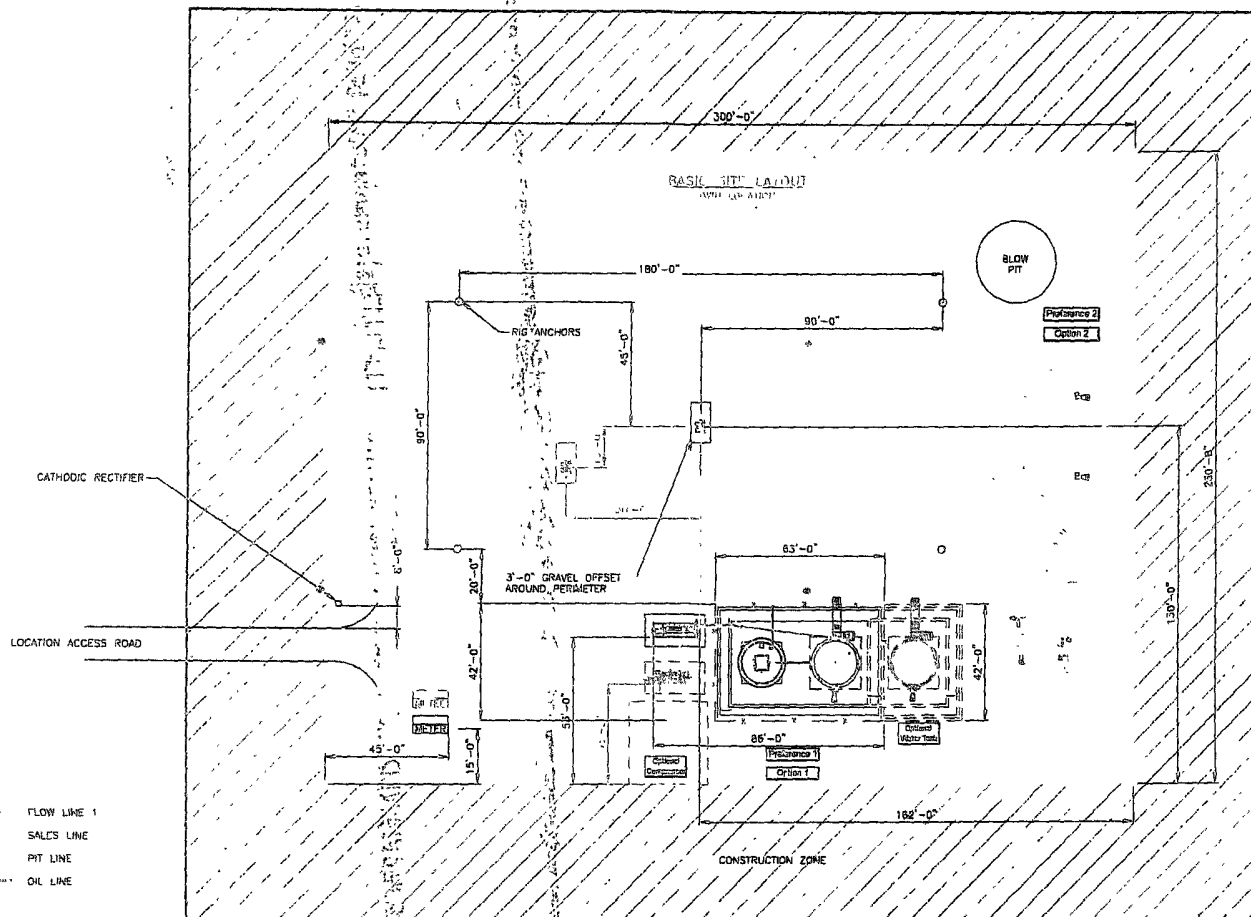
Targets

Target Name	hit/miss target	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (m)	Easting (m)	Latitude	Longitude
SJ 29-7 #71M - PCP	- plan hits target	0.00	0.00	8,047.0	-155.0	1,490.0	-53.76	453.52	30° 59' 22.978" N	109° 25' 26.977" W
- Point										
SJ 29-7 #71M - ICP	- plan hits target	0.00	0.00	4,400.0	-155.0	1,490.0	-53.76	453.52	30° 59' 22.978" N	109° 25' 26.977" W
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,855.9	2,672.0	Ojo Alamo		0.00	
2,996.2	2,799.0	Kirtland		0.00	
3,430.1	3,192.0	Fruitland		0.00	
3,836.4	3,560.0	Pictured Cliffs		0.00	
4,005.4	3,715.0	Lewis		0.00	
4,842.0	4,536.0	Chacra		0.00	
5,418.0	5,112.0	Upper Cliffhouse		0.00	
5,608.0	5,302.0	Cliffhouse		0.00	
5,718.0	5,412.0	Menefee		0.00	
6,068.0	5,762.0	Pt Lookout		0.00	
6,517.0	6,211.0	Mancos		0.00	
7,311.0	7,005.0	Gallup		0.00	
8,040.0	7,734.0	Greenhorn		0.00	
8,101.0	7,795.0	Graneros		0.00	
8,152.0	7,846.0	Two Wells		0.00	
8,231.0	7,925.0	Paguate		0.00	
8,253.0	7,947.0	Upper Cubero		0.00	
8,285.0	7,979.0	Lower Cubero		0.00	
8,353.0	8,047.0	Encinal		0.00	
8,353.0	8,047.0	TD		0.00	

Checked By: _____ Approved By: _____ Date: _____



SEE SHEET 3 & 4 FOR IMPROVEMENTS
ALL UNDERGROUND PIPE IS TO BE EXPOSED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS										CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT									
NO. DESCRIPTION REVIEWED DATE										NO. DESCRIPTION										CLIENT NO. CLIENT APPR. APPRO. DATE DRAWN BY SCALE NOTE CREATION DATE 8/25/07									
PROCESS										1 NO. DESCRIPTION										HP3PHASE-REV1									
MECHANICAL										2 NO. DESCRIPTION										SHEET NO. 1 OF 5									
PIPING										3 NO. DESCRIPTION																			
ELECTRICAL										4 NO. DESCRIPTION																			
I & C										5 NO. DESCRIPTION																			
CON. STRUCTURE										6 NO. DESCRIPTION																			
PROJECT										7 NO. DESCRIPTION																			
DESCRIPTION										SAN JUAN BUSINESS UNIT																			
DATE BY CRD CHK OSC PRJ																													

ConocoPhillips

SAN JUAN BUSINESS UNIT

CONOCO PHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT

CLIENT NO. CLIENT APPR. APPRO. DATE
DRAWN BY: SCALE: NADIC CREATION DATE: 6/20/07
DATE: HP3PHASE-REV1

SHEET NO.
1 OF 5

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 71M
865' FSL & 1900' FWL,
Section 24, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles

To 29-6 water well road,
Turn right (southerly) for 1.9 miles,
Turn right (southwesterly) for 1.3 miles,
To the top of Snake Hill
Turn right (westerly) 2.8 miles along Ridge Road,
Turn right (northerly) for 1.3 miles,
Turn left (westerly) 0.5 miles,
Continue (northerly) 1.2 miles,
To the newly staked location twinned on the
SAN JUAN 29-7 UNIT 73.