

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUL 29 2009

1a. Type of Work DRILL	5. Lease Number SF-079393 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 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD AUG 18 '09 9. Well Number 1M OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit A (NENE), 660' FNL & 275' FEL Surf: Latitude: 36.608363° N (NAD83) Longitude: 107.355531° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 4, T27N, R5W API # 30-039- 30797	
14. Distance in Miles from Nearest Town 44 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 275'	17. Acres Assigned to Well MV/DK 320 (E/2) 319.69	
16. Acres in Lease 2541.030	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1189.1' from San Juan 27-5 Unit 60	
19. Proposed Depth 7811'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6547' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician) Date 7/29/09	

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

AUG 31 2009

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

NMOCD

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

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 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

JUL 29 2009

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30797		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA / MESAVERDE BLANCO	
⁴ Property Code 7454		⁵ Property Name SAN JUAN 27-5 UNIT			⁶ Well Number 1M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6547

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	4	27-N	5-W		660	NORTH	275	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
A									

¹² Dedicated Acres 320.00 (E/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	GLO 1914 N 88°34'00" W 2675.6' (R) N 88°32'34" W 2672.0' (M) WELL FLAG NAD 83 LAT: 36.608363° N LONG: 107.355531° W NAD 27 LAT: 36°36.501222' N LONG: 107°21.295764' W	660' 275' 5369.7' (R) 5381.6' (M)	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Crystal Tafoya</i> 8/19/08 Signature Crystal Tafoya
			Printed Name Regulatory Technician
			Title and E-mail Address August 19, 2008 Date
E/2 DEDICATED ACREAGE USA SF-079393 SECTION 4, T-27-N, R-5-W	N 1°02'30" E N 1°20'00" E BLM 1957	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: 5/21/08 Signature and Seal of Professional Surveyor: <i>Henry P. Broadhurst, Jr.</i> HENRY P. BROADHURST, JR. REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO Certificate Number: NM 11393	

PC

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.B8		
SAN JUAN 27 - 5 # 1 M		DATE 8/4/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
A 4	27 N	5 W	36.608363 W	107.355531 W

COUNTY

RIO ARRIBA

RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	200'			
# 8	1600'			
			JEMEZ	
			.75 MILES	

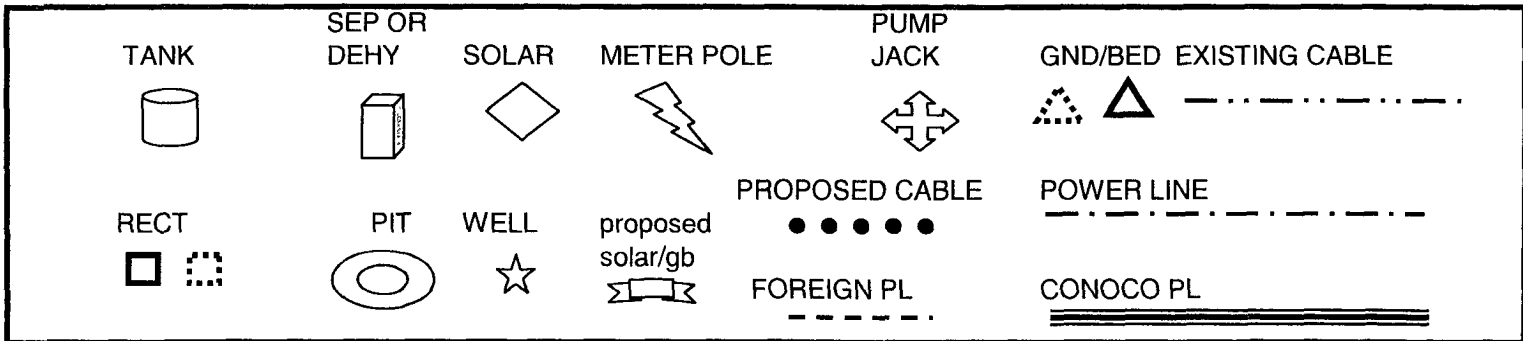
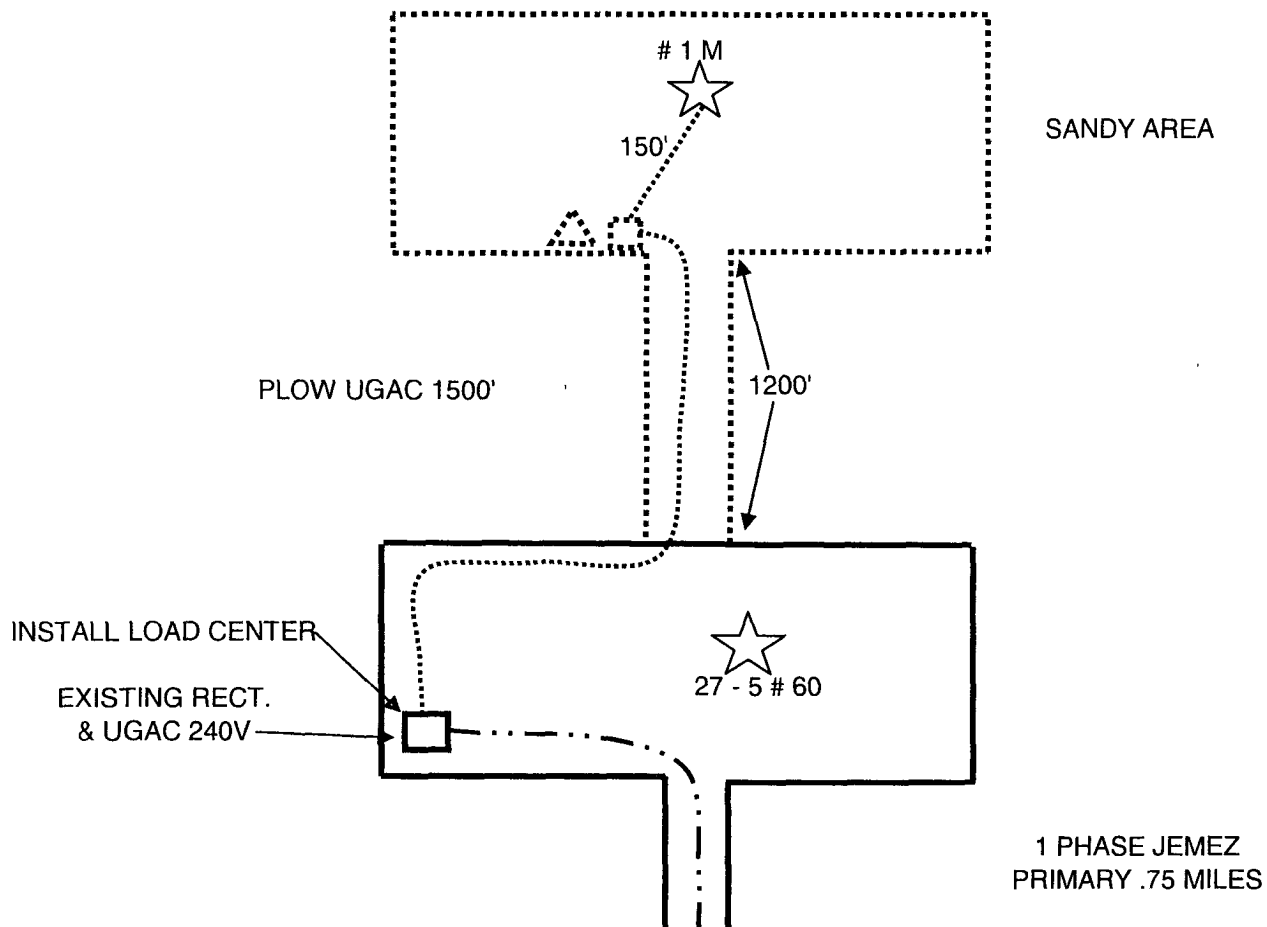
COMMENTS

SANDY AREA
PLOW UGAC 1500'
INSTALL LOAD CENTER
INSTALL RECTIFIER SYSTEM
1 PHASE JEMEZ PRIMARY .75 MILES

WELL NAME **SAN JUAN 27 - 5 # 1 M**



INSTALL RECTIFIER SYSTEM



BURLINGTON RESOURCES OIL & GAS COMPANY LP

**SAN JUAN 27-5 UNIT #1M
660' FNL, 275' FEL
SECTION 4, T-27-N, R-5-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.608363°N LONG.: 107.355531°W
ELEV.: 6547 NAVD88
NEW ACCESS 1023.8'**

**DRIVING DIRECTIONS TO COPC SAN JUAN 27-5 UNIT #1M IN SECTION 4,
T-27-N, R-5-W, IN RIO ARriba CO.**

**DRIVING DIRECTIONS FROM BLOOMFIELD, N.M. AT THE INTERSECTION
OF HWY. 550 AND HWY. 64: TRAVEL EAST ON HWY. 64 FOR 36.4 MILES
(TO MILE POST 101.1) TURN RIGHT BY GOBERNADOR SCHOOL**

- **GO 4.5 MILES SOUTH ON C.R. 366 (GENERAL AMERICAN ROAD).
TO THE INTERSECTION OF C.R. 495 AND GENERAL AMERICAN
ROAD, TURN LEFT HERE.**
- **GO 3.0 MILES SOUTHEASTERLY TOWARDS MUNOZ CANYON.**
- **TURN LEFT BEFORE MUNOZ CANYON WASH.**
- **CONTINUE EASTERLY TO EXISTING SJ 27-5 #60 WELL LOCATION.
BEGIN PROPOSED ACCESS ON THE NORTH EDGE OF SJ 27-5 #60
WELL LOCATION.**

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8130		AFE \$: 1,348,575.62	
Field Name: SAN JUAN 27-5 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARriba
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20076	DAKOTA(R20076)				
R20002	MESAVERDE(R20002)				
Location:					
Datum Code: NAD 27					
Latitude: 36.608354	Longitude: -107.354930	X:	Y:	Section: 04	Range: 005W
Footage X: 275 FEL	Footage Y: 660 FNL	Elevation: 6547 (FT)	Township: 027N		
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6563 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6363	☐		
OJO ALAMO	2721	3842	☐		
KIRTLAND	2903	3660	☐		
FRUITLAND	3019	3544	☐		Possible Gas
PICTURED CLIFFS	3380	3183	☐		
LEWIS	3477	3086	☐		
Intermediate Casing	3627	2936	☐		
HUERFANITO BENTONITE	3996	2567	☐		
CHACRA	4335	2228	☐		Est. Top Perf - 4337 (2226)
UPPER CLIFF HOUSE	4929	1634	☐		Gas
MASSIVE CLIFF HOUSE	5065	1498	☐	654	Gas
MENEFEE	5229	1334	☐		
POINT LOOKOUT	5558	1005	☐		
MANCOS	6069	494	☐		
UPPER GALLUP	6723	-160	☐		
GREENHORN	7495	-932	☐		
GRANEROS	7561	-998	☐		
TWO WELLS	7595	-1032	☐	2001	Gas
PAGUATE	7684	-1121	☐		
UPPER CUBERO	7701	-1138	☐		
LOWER CUBERO	7748	-1185	☐		Est. Btm Perf - 7791 (-1228) based on offset wells
OAK CANYON	7807	-1244	☐		
Total Depth	7811	-1248	☐		
ENCINAL	7811	-1248	☐		6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 605 cuft. Circulate cement a minimum of 100' inside the previous casing string. TD - T/ENCN
Reference Wells:					

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 1M

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 27-5 1E	27N-5W4 NE SW NE
Production	SJ 28-5 70	28N-5W34 NW SW
Production	SJ 27-5 84E	27N-5W3 NE SW NW
Production	SJ 27-5 60	27N-5W4 SE NE

Logging Program:

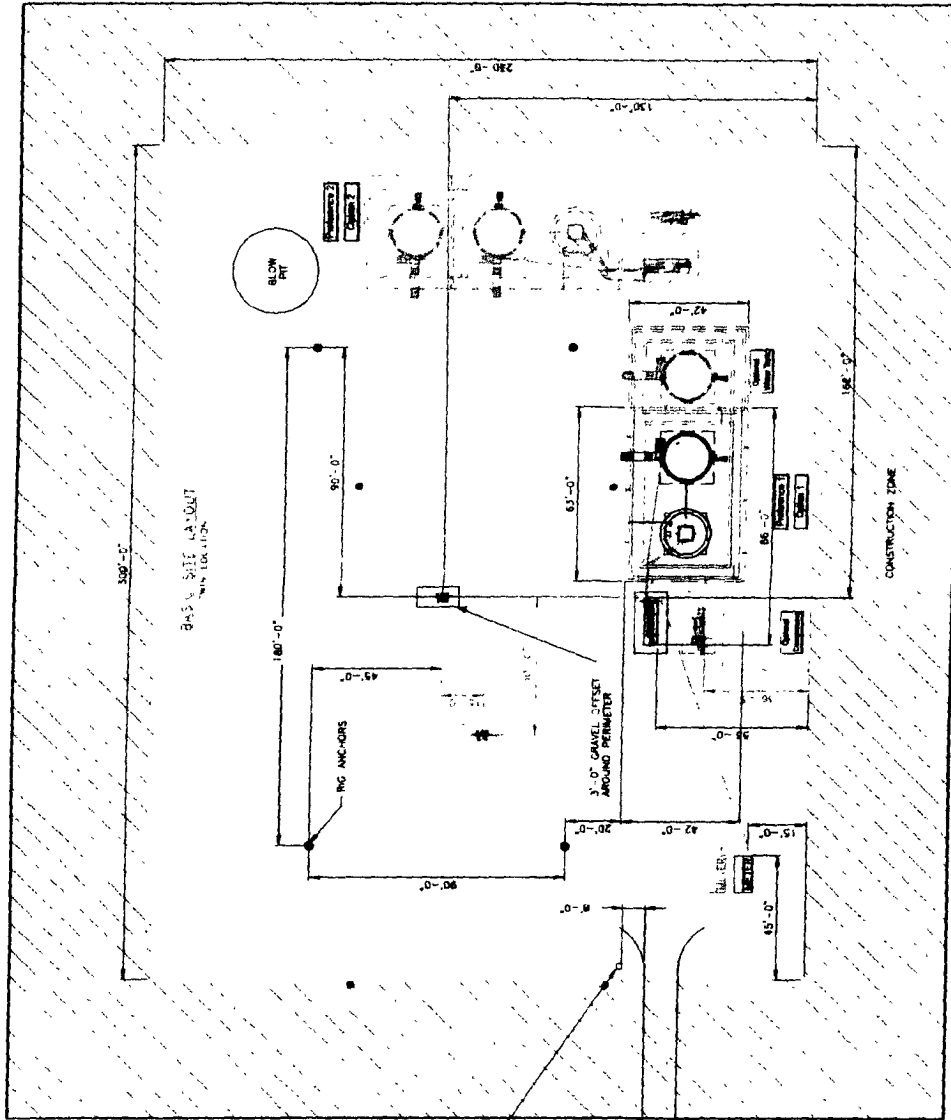
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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FLOW LINE 1
 SALES LINE
 PLY LINE
 ON LINE

SEE SHEET 1 & 2 FOR DIMENSIONS
 ALL DIMENSIONS ARE TO BE SHOWN AS SHOWN

SHEET 1 OF 5

CONOCO PHILLIPS									
HIGH PRESSURE 3 PHASE									
FACILITY DIAGRAM - SITE LAYOUT									
SAN JUAN BUSINESS UNIT									
HP3PHASE-REV1									
REFERENCE DIMENSIONS									
ENGINEERING NOTES									
NO.	DESCRIPTION	DATE	BY	CHK	APP	DATE	BY	CHK	APP
1	PROJECT								
2	DESIGN								
3	ELECTRICAL								
4	MECHANICAL								
5	CIVIL								
6	HAZARDOUS WASTE								
7	ENVIRONMENTAL								
8	SALES								
9	HAZARDOUS WASTE								
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