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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 24 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF - 079012 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips	7. Unit Agreement Name NMNM-78421B-DK NMNM-78421A-MV San Juan 31-6 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), 2165' FNL & 1815' FEL, Latitude 36.842869 N. Longitude 107.465411 W	9. Well Number #4R
	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde
	11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 4, T30N, R6W API # 30-039-30593
14. Distance in Miles from Nearest Town 47.5 miles/Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1815'	
16. Acres in Lease 639.840	17. Acres Assigned to Well DK 320.00 (E/2) MV 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 342' from San Juan 31-6 Unit 205R	
19. Proposed Depth 8010'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6439' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	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
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date

RCUD JUN 2 '09

OIL CONS. DIV.

DIST. 3

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 ES-0048 and ES-0085

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

JUN 10 2009

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

NMOCD

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

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

RECEIVED

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
NOV 24 2008 State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30593	*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT	*Well Number 4R
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6439'

10 Surface Location

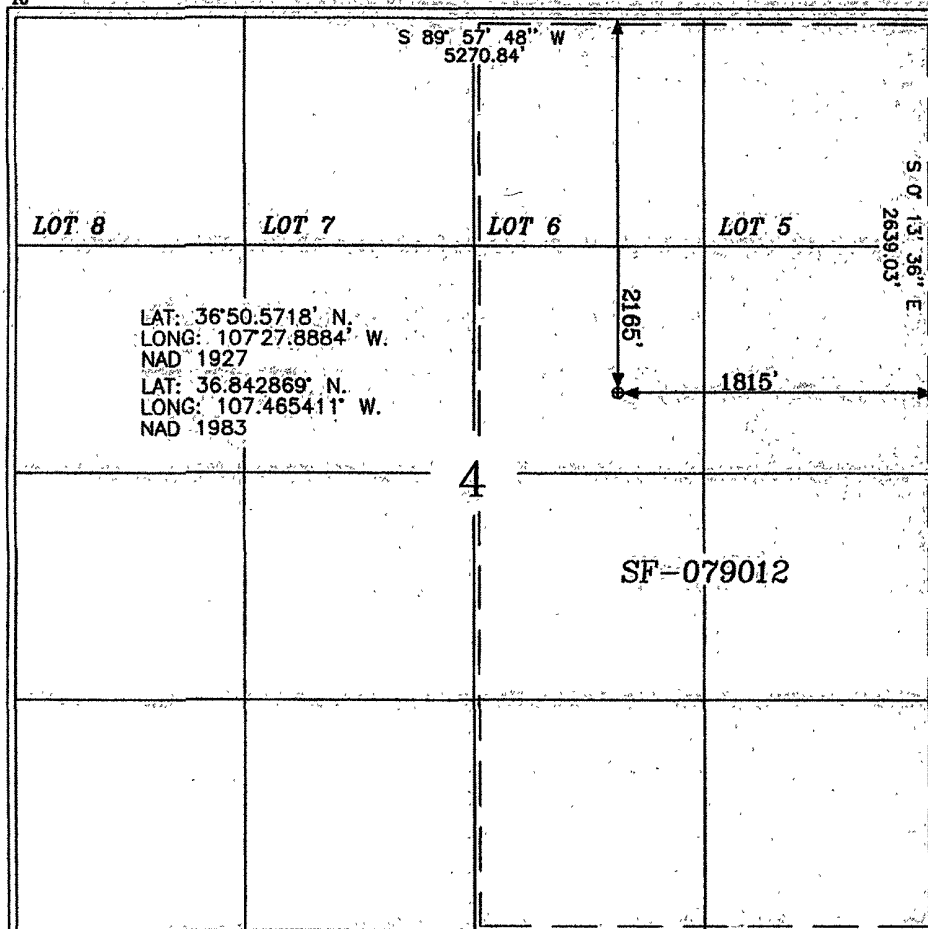
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	4	30-N	6-W		2165'	NORTH	1815'	EAST	RIO ARriba

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
G									
Dedicated Acres DK 320.0 ACRES E/2 MV 320.0 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

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.

James Gardenhire 11/20/08
Signature
James Gardenhire
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.

3-70
Date of Survey
Signature and Seal of Professional Surveyor:
GLEN W. RUSSELL
15703
Certificate Number 15703

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PDO7.MD

WELL NAME

SAN JAUN 31 - 6 # 4 R

DATE

4/11/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

G 4

30 N

4 W

36 50.5716 N

107 27.8884 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	300'			
			JEMEZ	
			.7 MILES	
		260 FT		

COMMENTS

INSTALL LOAD CENTER AT ENTRANCE - PLOW UGAC TO LOC (260 FT)

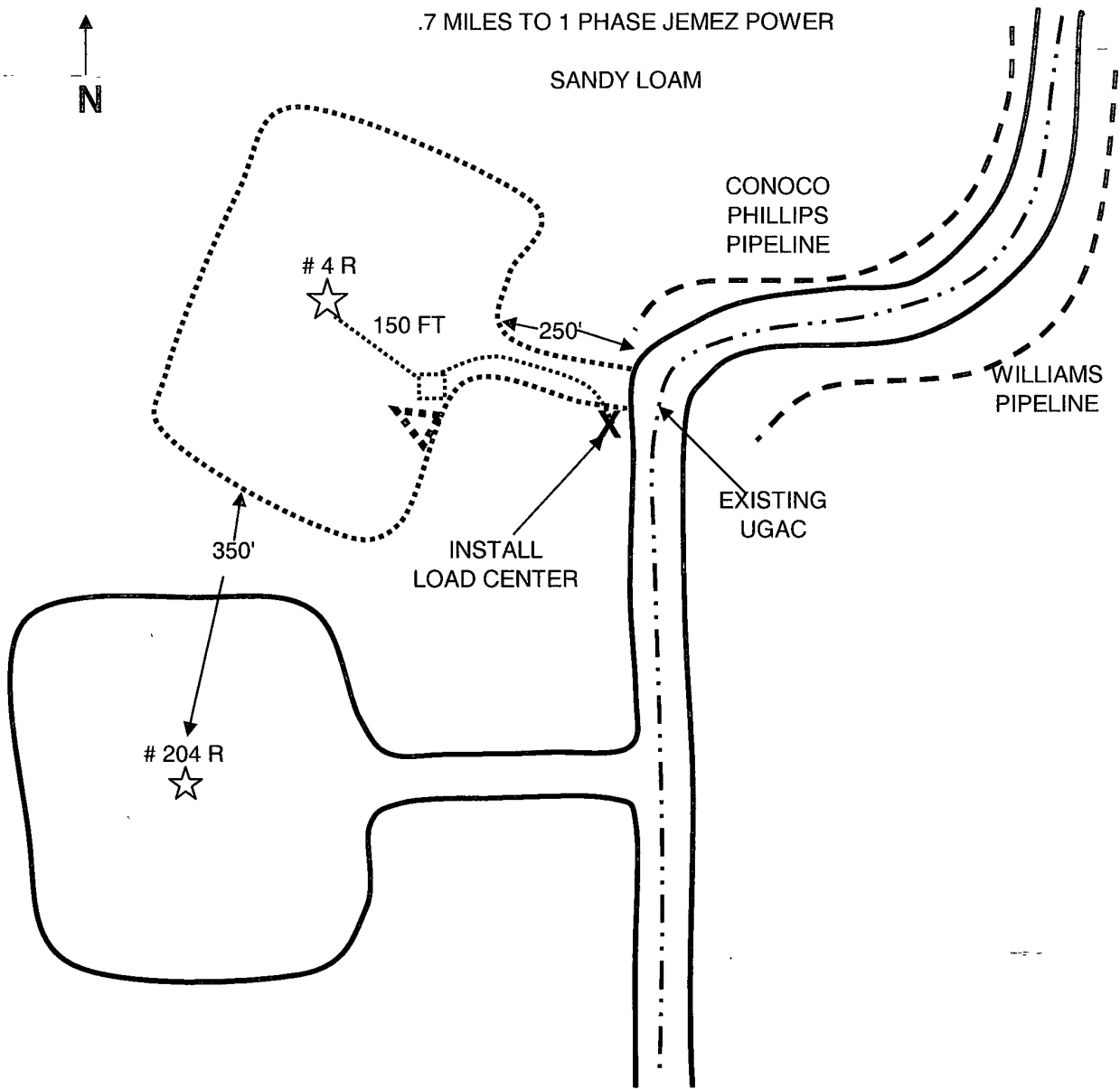
INSTALL RECTIFIER SYSTEM - SANDY LOAM

WELL NAME
SAN JUAN 31 - 6 # 4 R



.7 MILES TO 1 PHASE JEMEZ POWER

SANDY LOAM



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 Business Unit

SAN JUAN 31-6 UNIT 4R

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7488		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist: ---		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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	
Latitude: 36.842863	Longitude: -107.464807	X:	Y:
Footage X: 1815 FEL		Footage Y: 2165 FNL	Elevation: 6439 (FT)
Tolerance:		Township: 030N	

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6453	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6253	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2443	4010	☐			
KIRTLAND	2567	3886	☐			
FRUITLAND	3053	3400	☐			Possible Gas
PICTURED CLIFFS	3293	3160	☐			
LEWIS	3502	2951	☐			
Intermediate Casing	3602	2851	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 812 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4005	2448	☐			
CHACRA	4524	1929	☐			
UPPER CLIFF HOUSE	5049	1404	☐			Gas
MASSIVE CLIFF HOUSE	5286	1167	☐	450		Gas
MENEFEE	5366	1087	☐			
POINT LOOKOUT	5626	827	☐			
MANCOS	5955	498	☐			
GALLUP	6870	-417	☐			
GREENHORN	7670	-1217	☐			
GRANEROS	7719	-1266	☐			
TWO WELLS	7825	-1372	☐	2100		Gas
CUBERO	7847	-1394	☐			
LOWER CUBERO	7879	-1426	☐			
ENCINAL	7950	-1497	☐			TD 60' into the Encinal. Estimated bottom perf 20' off bottom.
Total Depth	8010	-1557	☐			6-1/4" hole, 4-1/2" 11.6 ppf, N-80, LTC casing. Cement w/ 600 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	31-6 13G	NW4-30-6

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 UNIT 4R

DEVELOPMENT

Production	31-6 4M	SE4-30-6
Production	31-6 205 & 205R	NE4-30-6

Logging Program:

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

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

GR/CBL

no OH or mud logs required

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 31-6 UNIT 4R
2165' FNL & 1815' FEL,
Section 4, T30N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36.842869° N
Longitude: 107.465411° W
Nad 83

Take Highway 64 East for 28.8 miles
To Hwy 527 (Simms Mesa Hwy),
Turn left (northwest) on Hwy 527 for 8.0 miles,
To Rosa Road, turn right (northeast) for 6.6 miles,
Across La Jara Bridge to the top of the Mesa,
Turn left (northeasterly) 0.8 miles,
Continue (northwesterly) 0.5 miles,
Continue (easterly) 1.2 miles to fork,
Stay right (northwesterly) 0.6 miles,
Continue (westerly) 0.4 miles,
Turn left (southerly) 0.6 miles,
To beginning of new access on right side of road,
Continue (southwesterly) 220' to newly staked location.