

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 03 2008

Bureau of Land Management  
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED  
BUREAU OF LAND MANAGEMENT  
JUN 03 2008

1a. Type of Work DRILL	5. Lease Number SF-078740 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 30-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #89M	
4. Location of Well Unit J (NWSE), 2225' FSL & 1530' FEL  Latitude 36.796984 N Longitude 107.394875 W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 35, T30N, R5W API # 30-039- 30541	
14. Distance in Miles from Nearest Town 48 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1530'		
16. Acres in Lease 2560.000 Acres	17. Acres Assigned to Well 320.00 Acres (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1450' from SJ 30-5 #208A		
19. Proposed Depth 7698'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6282' GR	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)	<u>10-2-08</u> Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE AFM DATE 11/3/08

Archaeological Report attached

Threatened and Endangered Species Report attached

Test BOPE minimum 1500 psi

NOV 18 2008

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

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".

NMOCD

to

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

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

OIL CONSERVATION DIVISION  
1220 South St. Francis  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30541		*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/MESAVERDE	
*Property Code -17260- 31327	*Property Name SAN JUAN 30-5 UNIT			*Well Number 89M
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6282'

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	30-N	5-W		2225'	SOUTH	1530'	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
J									
<sup>12</sup> Dedicated Acres DK 320.0 ACRES E/2 MV 320.0 ACRES E/2			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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**

SF-078740

19

1530'

2225'

N 0° 10' 08" E 2641.31'

LAT: 36°47.8186' N.  
LONG: 107°23.6563' W.  
NAD 1927

LAT: 36.796984° N.  
LONG: 107.394875° W.  
NAD 1983

S 89° 51' 32" W

2649.52'

**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 the right to acquire the well as a lessee 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 2/29/08  
Signature

Crystal Walker 2-29-08  
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.

2-28-08  
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number 15703

**COMPANY**

BURLINGTON RESOURCES

**Charge Code**

WAN.RFE.PDO7.48

**WELL NAME**

SAN JUAN 30 - 5 # 89 M

**DATE**

3/4/2008

**DUAL WELL**

WELL NAME

**TRIPLE WELL**

WELL NAME

**COORDINATES**

**SEC TNSHP RANGE**

E 19 30 N 5 W

**LATITUDE**

36 47.8186 N

**LONGITUDE**

107 23.6563 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	
			..7 MILE	

**COMMENTS**

INSTALL LOAD CENTER AT EXISTING RECTIFIER - PLOW 1600 FT UGAC TO LOC

INSTALL RECTIFIER

<b>WELL NAME</b>	<b>SAN JUAN 30 - 5 # 89 M</b>
------------------	-------------------------------

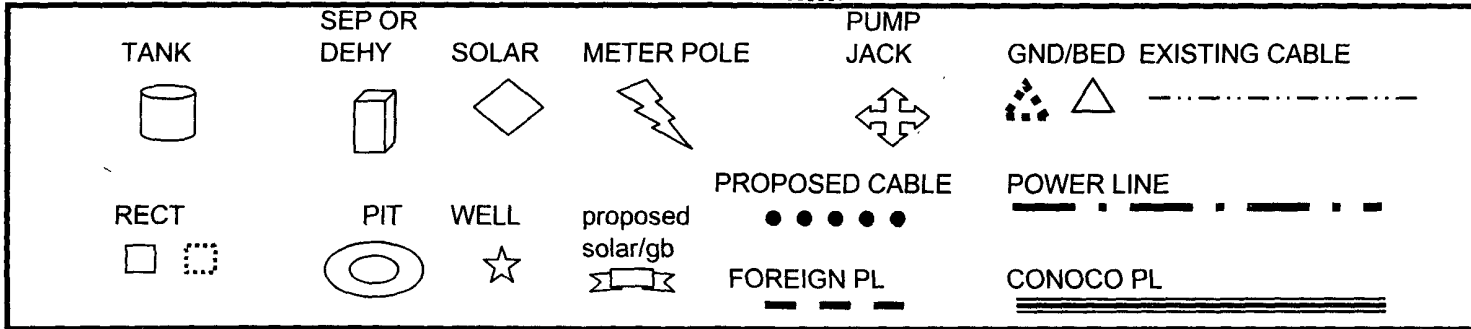
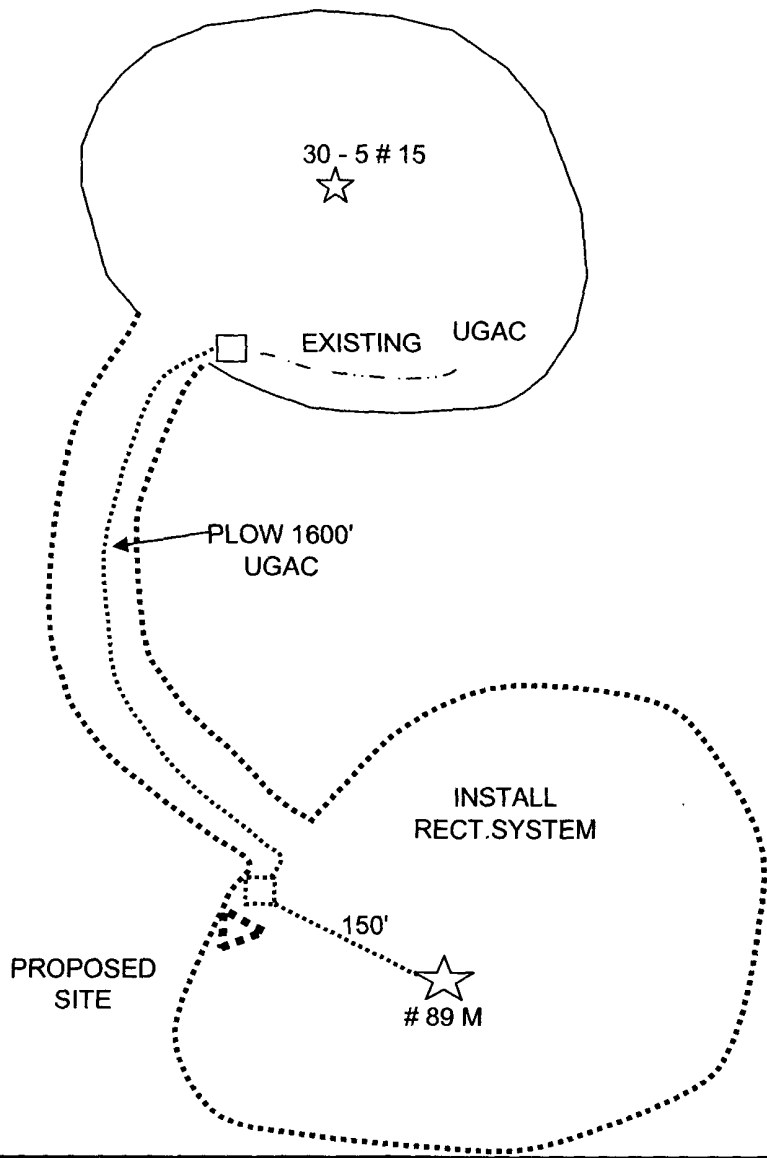


JEMEZ  
ONE PHASE  
POWER  
.7 MILES  
FROM NEW WELL  
# 89 M

INSTALL  
LOAD CENTER  
AT EXISTING RECT.  
ON # 15

SAND AND  
SANDSTONE

NOTHING  
WITHIN 1200'



Directions from the Post Office  
in Blanco, NM  
to  
CONOCOPHILLIPS COMPANY  
SAN JUAN 30-5 UNIT 89M  
2225' FSL & 1530' FEL,  
Section 19, T30N, R5W, N.M.P.M., Rio Arriba County,  
New Mexico  
Lat: 36.796984° N  
Long: 107.394875° W  
NAD 83

From the Post Office in Blanco, NM  
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 y-intersection,  
Turn right (northeasterly) 0.1 miles,  
continue (southeasterly) for 0.8 miles to y-intersection,  
stay right (southerly) for 0.8 miles to y-intersection,  
stay left (southerly) for 1.4 miles,  
turn right (southerly) 0.5 miles,  
to beginning of new access on the right (west) side of road,  
and continues (southwesterly) 1600'  
to the newly staked location.

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 89M

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7147		AFE \$:	
Field Name: 30-5		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Glaser, Terry J		Phone: +1 832 486 2332		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Phone: +1-432-368-1215	
Proj. Field Lead: Fransen, Eric E.					

## Primary Objective (Zones):

Zone	Zone Name
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.796957	Longitude: -107.394272	X:	Y:	Section: 19	Range: 005W
Footage X: 1530 FEL	Footage Y: 2225 FSL	Elevation: 6282 (FT)	Township: 030N		
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 6298	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6082	<input type="checkbox"/>			12-1/4" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cu-ft. Circulate cement to surface.
NCMT	1023	5275	<input type="checkbox"/>			
OJAM	2298	4000	<input type="checkbox"/>			Possible water flows.
KRLD	2498	3800	<input type="checkbox"/>			
FRLD	2858	3440	<input type="checkbox"/>			Possible gas.
PCCF	3218	3080	<input type="checkbox"/>			
LEWS	3418	2880	<input type="checkbox"/>			
Intermediate Casing	3518	2780	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 793 cu-ft. Circulate cement to surface.
CHRA	4298	2000	<input type="checkbox"/>			
CLFH	5168	1130	<input type="checkbox"/>			Gas; possibly wet
MENF	5208	1090	<input type="checkbox"/>			Gas.
PTLK	5448	850	<input type="checkbox"/>			Gas.
GLLP	6798	-500	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7408	-1110	<input type="checkbox"/>			Gas possible, highly fractured
GRRS	7486	-1188	<input type="checkbox"/>			
CBBO	7622	-1324	<input type="checkbox"/>			Gas
CBRL	7663	-1365	<input type="checkbox"/>			
TD	7698	-1400	<input type="checkbox"/>	3000 psig		6-1/4" hole. 4 1/2" csg. 11.6 ppf N-80 LT&C. Cement with 569 cu-ft.. Circulate cement up to at least 100-ft inside previous csg.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 30-5 89	19-30N-5W-NE, KB = 6425
Intermediate	SJ 30-5 27	20-30N-5W-SW, KB = 6320

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 89M

DEVELOPMENT

## Logging Program:

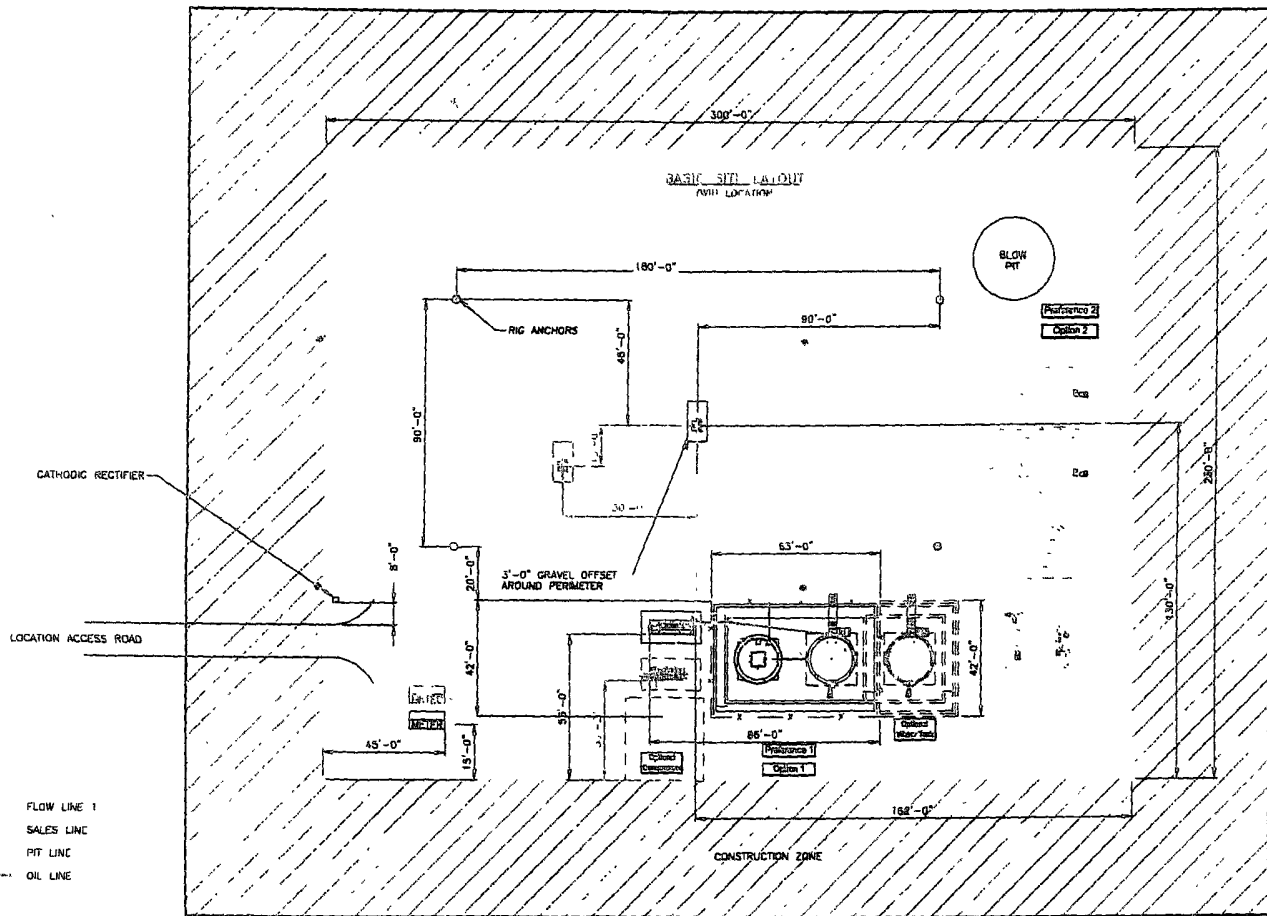
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

CBL/GR - PEX at intermediate to evaluate PC over minimum footage - mudlog from 100' above Greenhorn to evaluate edge DK potential.



## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------



SEE SHEET 3 & 4 FOR HPMRD DETAILS  
ALL UNDERGROUND HPMRD 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		
PROJECT	DESCRIPTION	DATE	BY	CHK'D	ENG	DOC	PRJ	NO.	DESCRIPTION	CLIENT NO.	CLIENT APPR.		APPR. DATE		
PROJECT	DESCRIPTION	DATE	BY	CHK'D	ENG	DOC	PRJ			CONCERN NO.	DESIGNED BY		DESIGNED DATE		
PROJECT	DESCRIPTION	DATE	BY	CHK'D	ENG	DOC	PRJ			SCALE	DATE				
SAN JUAN BUSINESS UNIT										SAN JUAN BUSINESS UNIT			HPSPHASE-REV1		
													1 of 5		