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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 20 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-080537 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
4. Location of Well Unit N (SESW), 660' FSL & 1510' FWL Latitude: 36.792681° N (NAD 83) Longitude: 107.312534° W	9. Well Number 21M RCVD JUN 17 '09 OIL CONS. DIV. DIST. 3 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 24, T30N, R5W API # 30-039-30717
14. Distance in Miles from Nearest Town 59 miles/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	13. State NM
16. Acres in Lease 807.210	17. Acres Assigned to Well MV/DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 999' from San Juan 30-5 Unit 268 (FC)	20. Rotary or Cable Tools Rotary
19. Proposed Depth 8478'	
21. Elevations (DF, FT, GR, Etc.) 7024' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>3/20/2009</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 ES-0048 and ES-0085

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

JUN 24 2009

NMOC

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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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Bureau of Land Management
Farmington Field Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30717	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30-5 UNIT	⁶ Well Number 21M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 7024

¹⁰ SURFACE LOCATION

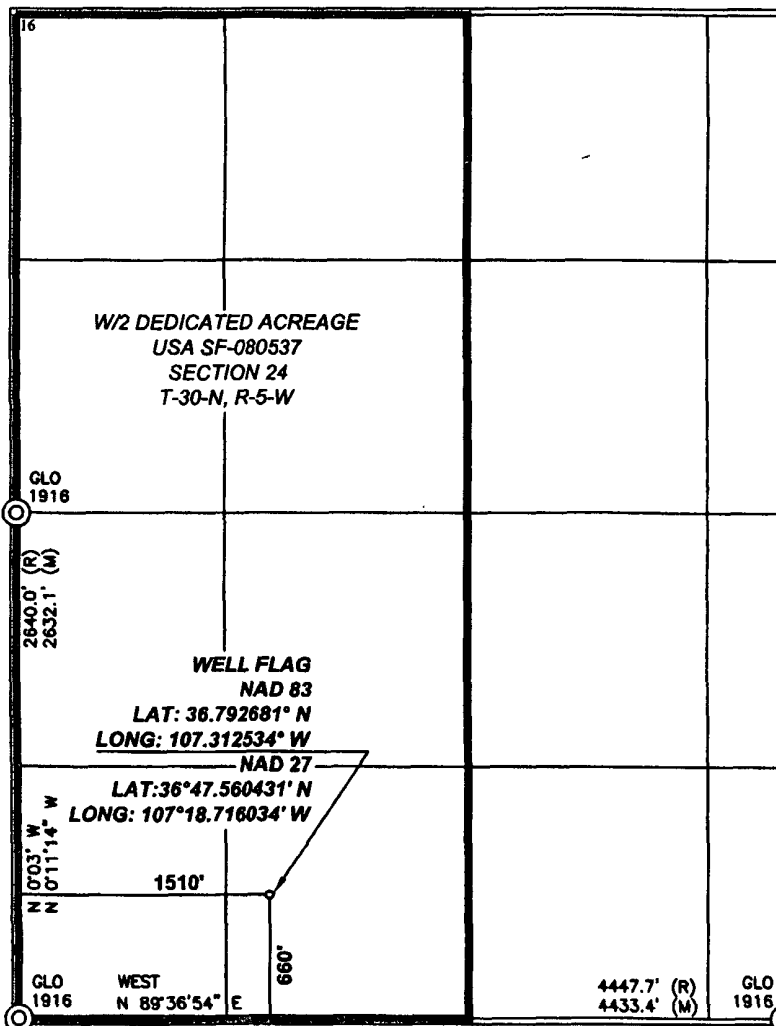
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	24	30-N	5-W		660	SOUTH	1510	WEST	RIO ARriba

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
N									

¹² Dedicated Acres 320.00 (w/ 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

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.

Crystal Tafoya 10/18/08
Signature

Crystal Tafoya

Printed Name

Regulatory Technician

Title and E-mail Address

June 18, 2008

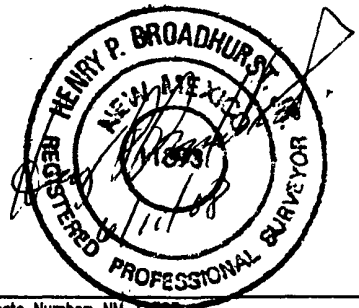
Date

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: 4/24/08

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11538

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.A5		
SAN JUAN 30 - 5 # 21 M		DATE 6/18/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	N 24	30 N	5 W	36.792681 N	107.312534 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
(12/4)	X			
	X			
# 8	200'			
			JEMEZ	
			3/4 MILE	

COMMENTS	1 PHASE JEMEZ PRIMARY 3/4 MILE
	SANDY LOAM
	INSTALL SOLAR SYSTEM

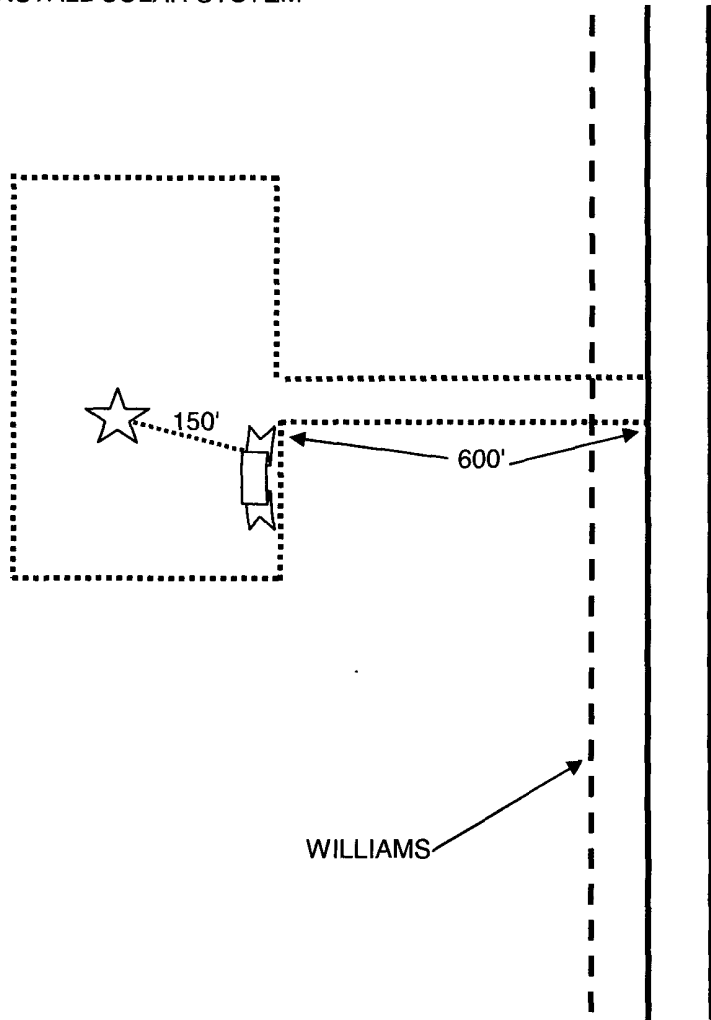
WELL NAME	SAN JUAN 30 - 5 # 21 M
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1 PHASE JEMEZ PRIMARY 3/4 MILE

SANDY LOAM

INSTALL SOLAR SYSTEM



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 30-5 UNIT 21M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8117			AFE \$: 1,324,721.90	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA	API #:
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: 36.792674		Longitude: -107.311933		X:	Y:	Section: 24
Footage X: 1510 FWL		Footage Y: 660 FSL		Elevation: 7024 (FT)	Township: 030N	
Tolerance:						
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:
Formation Data: Assume KB = 7036 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6836	<input type="checkbox"/>			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	3107	3929	<input type="checkbox"/>			
KIRTLAND	3281	3755	<input type="checkbox"/>			
FRUITLAND	3316	3720	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3925	3111	<input type="checkbox"/>			
LEWIS	4030	3006	<input type="checkbox"/>			
Intermediate Casing	4130	2906	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 931 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4734	2302	<input type="checkbox"/>			
CHACRA	5041	1995	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5916	1120	<input type="checkbox"/>	775		Gas
MENEFEE	5925	1111	<input type="checkbox"/>			
POINT LOOKOUT	6136	900	<input type="checkbox"/>			
MANCOS	6598	438	<input type="checkbox"/>			
UPPER GALLUP	7417	-381	<input type="checkbox"/>			
GREENHORN	8138	-1102	<input type="checkbox"/>			
GRANEROS	8182	-1146	<input type="checkbox"/>			
TWO WELLS	8299	-1263	<input type="checkbox"/>	3250		Gas
UPPER CUBERO	8313	-1277	<input type="checkbox"/>			
LOWER CUBERO	8352	-1316	<input type="checkbox"/>			
ENCINAL	8423	-1387	<input type="checkbox"/>			
Total Depth	8478	-1442	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, N-80, LTC casing. Cement w/ 592 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:						
Reference Type	Well Name		Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 21M

DEVELOPMENT

Logging Program:

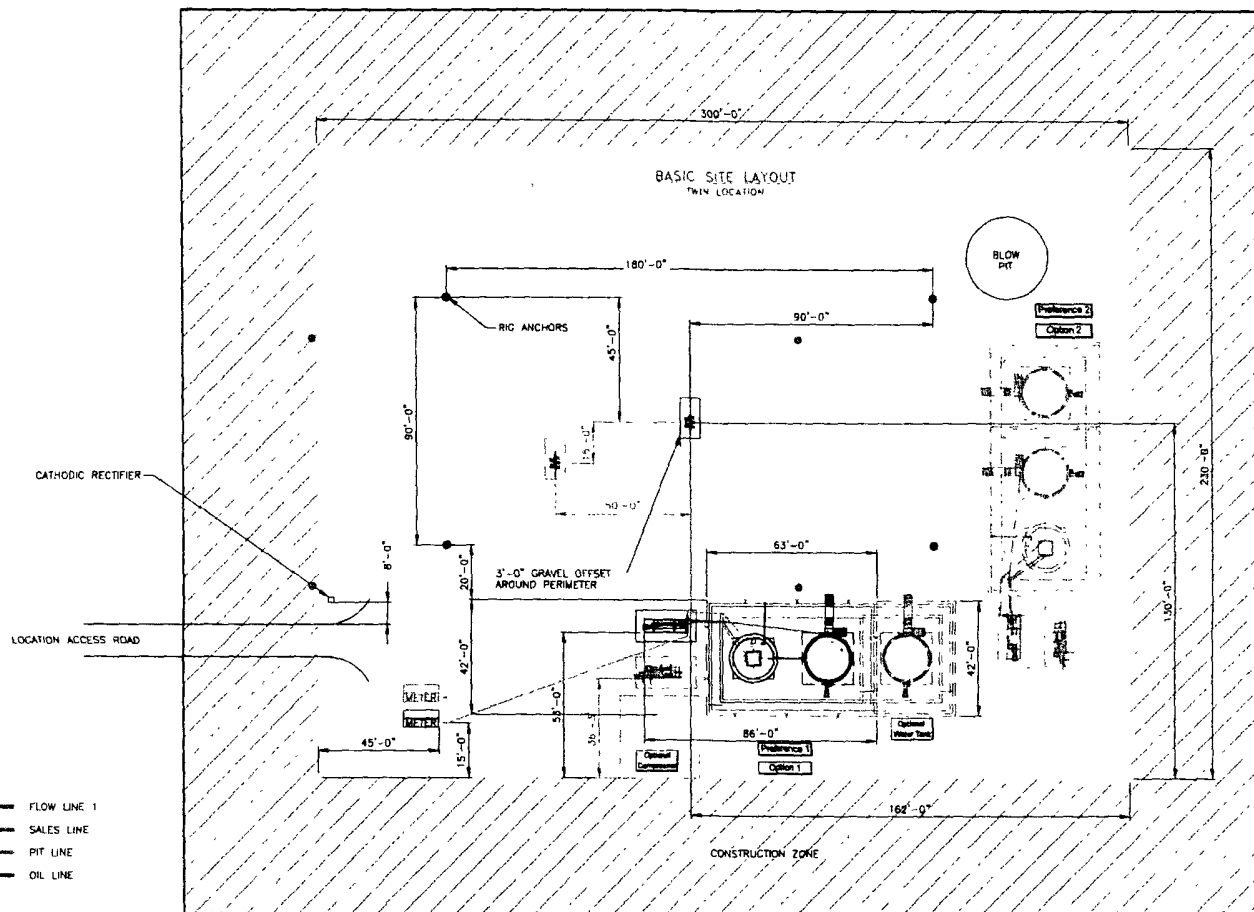
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Est bottom perf ~20' above the est TD. Mud log No. 21N or 21M - one that will drill first. Mud log from ~100' above the Greenhorn to TD. Mud loggers will call final TD.



Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT													
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION																
										PROCESS									CLIENT NO. DRAWN BY			CLIENT APPRO. SCALE NAME DATE			CREATION DATE 6/26/07			SHEET NO. 1 OF 5		
										MECHANICAL																				
										PIPING																				
										ELECTRICAL																				
										I & C																				
										CIVIL/STRUCTURAL																				
										PROJECT					SAN JUAN BUSINESS UNIT															
DESCRIPTION										DATE	BY	CHEK'D	ENG	DISC	FILE															

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #21M

660' FSL, 1510' FWL

SECTION 24, T-30-N, R-5-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

NAD 83 LAT.: 36.792681°N LONG.: 107.312534°W

ELEV.: 7024 NAVD88

NEW ACCESS ROAD 593.8'

THIS WELL IS STAKED 5 MILES WEST, NORTH WEST OF BIXLER RANCH, ON THE WESTERLY SIDE OF CABRESTO MESA, AND ALONG FOREST ROAD #311 (FROM ROSA ROAD SIDE, 2.7 MILES FROM FOREST BOUNDARY ON FOREST ROAD #311).

FROM BLOOMFIELD N.M. GO EAST 50 MILES ON STATE HWY #64 TO MILE MARKER 114.5 TURN LEFT (NORTH) ON FOREST ROAD #310 AKA "BIXLER RANCH" TURN OFF.

- GO: 4.4 MILES NORTH WEST ON FOREST ROAD #310. TURN LEFT ON FOREST ROAD #311 & HEAD WEST ALONG THE TOP OF CABRESTO MESA.
- GO: 3.4 MILES WEST ON FOREST ROAD #311 ACROSS CABRESTO. TURN LEFT (WEST) & CONTINUE DOWN HILL GRADE ON FOREST ROAD #311.
- GO: 1.5 MILES DOWN HILL & WESTERLY ON FOREST ROAD #311. 593.8 FT. NEW ACCESS ON RIGHT (WEST) SIDE OF ROAD.