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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 25 2011

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	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	5. Lease Number NM-03998 Unit Reporting Number MV-NMNM-72146 DK-NMNM-73727
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name RCVD SEP 20 '11 OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Trieb Federal 9. Well Number 2N
4. Location of Well Surface: Unit J(NWSE), 2570' FSL & 1696' FEL Surface: Latitude: 36.768456° N (NAD83) LATA 10 Longitude: 107.886592° W		10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T30N, R10W API # 30-045-35309
14. Distance in Miles from Nearest Town 7.2 miles from Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1696		
16. Acres in Lease 319.260	 H₂S POTENTIAL EXIST	17. Acres Assigned to Well 317.04 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 341' FC Federal Com #10 (Basin FC)		
19. Proposed Depth 7012	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6055' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)		7/22/11 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

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

NMOC

SEP 28 2011

AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

PC

RECEIVED

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

Farmington Field Office
Bureau of Land Management

Form C-102

Revised July 16, 2010

Submit once copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35309	² Pool Code 72319/71599	³ Pool Name BASIN BLANCO MESAVERDE / DAKOTA
⁴ Property Code 31658	⁵ Property Name TRIEB FEDERAL	⁶ Well Number 2N
⁷ OGRID No 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6055

¹⁰ SURFACE LOCATION

UL or lot no J	Section 33	Township 30-N	Range 10-W	Lot Idn 10	Feet from the 2570	North/South line SOUTH	Feet from the 1696	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 317.04 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 BLM 1967	BLM 1967	BASIS OF BEARING IS GRID NORTH, NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 DERIVED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.		BLM 1967	¹⁷ OPERATOR CERTIFICATION
LOT 4	LOT 3	LOT 2	LOT 1		<p>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.</p> <p>Signature: <i>Arleen R. Kellywood</i> Date: 4/21/11</p> <p>Printed Name: Arleen R. Kellywood</p> <p>E-mail Address:</p>
LOT 5	SECTION 33, T-30-N, R-10-W LOT 6	LOT 7 USA SF-078204-A	LOT 8 E/2 DEDICATED ACREAGE		
BLM 1967	WELL FLAG NAD 83 LAT: 36.768456° N LONG: 107.886592° W NAD 27 LAT: 36°46.107074' N LONG: 107°53.158364' W LOT 11	LOT 10	LOT 9 USA NM-03998	BLM 1967	¹⁸ SURVEYOR CERTIFICATION
LOT 12	LOT 14	LOT 15	LOT 16		<p>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.</p> <p>Date of Survey: 2/08/11 Signature and Seal of Professional Surveyor:</p> <p><i>Henry P. Broadhurst</i> HENRY P. BROADHURST NEW MEXICO PROFESSIONAL SURVEYOR 4/18/11</p> <p>Certificate Number: NM 11393</p>
LOT 13	LOT 15 S 88°59' W S 88°58'46" W	LOT 16 2586.5' (R) 2582.4' (M)			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

TRIEB FEDERAL 2N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0128				AFE \$: 480,970.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.768451		Longitude: -107.885972		X:	Y:	Section: 33	Range: 010W
Footage X: 1696 FEL		Footage Y: 2570 FSL		Elevation: 6055 (FT)		Township: 030N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6070 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5870		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1203	4867		<input type="checkbox"/>			
KIRTLAND	1353	4717		<input type="checkbox"/>			
FRUITLAND	1925	4145		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2509	3561		<input type="checkbox"/>			
LEWIS	2656	3414		<input type="checkbox"/>			
Intermediate Casing	2756	3314		<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 621 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3275	2795		<input type="checkbox"/>			
CHACRA	3519	2551		<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4176	1894		<input type="checkbox"/>	485		Gas
MENEFEE	4255	1815		<input type="checkbox"/>			
POINT LOOKOUT	4796	1274		<input type="checkbox"/>			
MANCOS	5198	872		<input type="checkbox"/>			
UPPER GALLUP	6031	39		<input type="checkbox"/>			
GREENHORN	6763	-693		<input type="checkbox"/>			
GRANEROS	6819	-749		<input type="checkbox"/>			
TWO WELLS	6878	-808		<input type="checkbox"/>	2035		Gas
PAGUATE	6949	-879		<input type="checkbox"/>			
CUBERO	7002	-932		<input type="checkbox"/>			
Total Depth	7012	-942		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 579 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7061	-991		<input type="checkbox"/>			
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

TRIEB FEDERAL 2N

DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD. Suggested TD is ~10' below the T/Cubero for rat hole only. Plan on completing Twls and Pgte only.							

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

CONOCOPHILLIPS COMPANY
TRIEB FEDERAL 2N
2570' FSL, 1696' FEL
SECTION 33, T-30-N, R-10-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.768456°N LONG.: 107.886592°W
GROUND ELEV.: 6055 FINISHED ELEV.: 6056 NAVD88
NEW ACCESS 20.0'

FROM AZTEC, NEW MEXICO, INTERSECTION OF HWY. 550 AND HWY. 173 TOWARD NAVAJO DAM.

- GO 1.0 MILES EAST ON HWY 173. TURN LEFT AT NEW INTERSECTION, AND CONTINUE ON STATE HWY 173.
- GO 3.1 MILES EAST ON HWY 173. TURN RIGHT ON HWY 575.
- GO 3.0 MILES SOUTH ON HWY 575 (TO END OF PAVEMENT). TURN RIGHT
- GO 200 FEET. STAY LEFT AT "Y".
- GO 400 FEET SOUTH, TO FC FEDERAL COM #10 WELL HEAD ON LEFT SIDE OF ROAD. CONTINUE 500 FEET FURTHER SOUTH TO 20' NEW ACCESS INTO STAKED SW PAD CORNER.