

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-078417
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INC.		7. If Unit or CA Agreement, Name and No.
Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		8. Lease Name and Well No. SAN JUAN 28-7 291
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705		9. API Well No. 30-039-26805
3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799		10. Field and Pool, or Exploratory 5 BLANCO PICTURED CLIFFS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWSE 1535FSL 1890FEL At proposed prod. zone		11. Sec., T., R., M., or Blk. and Survey or Area J Sec 16 T28N R7W Mer NMP
14. Distance in miles and direction from nearest town or post office*		12. County or Parish RIO ARRIBA
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		13. State NM
16. No. of Acres in Lease DEC 2001		17. Spacing Unit dedicated to this well 160.00 SE/4
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.		20. BLM/BIA Bond No. on file
19. Proposed Depth 3165 MD		23. Estimated duration
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6073 GL		
22. Approximate date work will start		

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed) VICKI WESTBY	Date 08/14/2001
Title AUTHORIZED SIGNATURE		
Approved by (Signature) /s/ Joel Falcón	Name (Printed/Typed)	Date NOV 28 2001
Title	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

## Additional Operator Remarks (see next page)

Electronic Submission #6432 verified by the BLM Well Information System  
For CONOCO INC., sent to the Farmington  
Committed to AFMSS for processing by Maurice Johnson on 08/20/2001 ( )This document is subject to internal and external  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.This document is subject to internal and external  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

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District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30039-26805</b>		2 Pool Code 72439	3 Pool Name BLANCO PICTURED CLIFFS, SOUTH
4 Property Code 016608	5 Property Name SAN JUAN 28-7 UNIT		6 Well Number 291
7 OSRID No. 005073	8 Operator Name CONOCO, INC.		9 Elevation 6073'

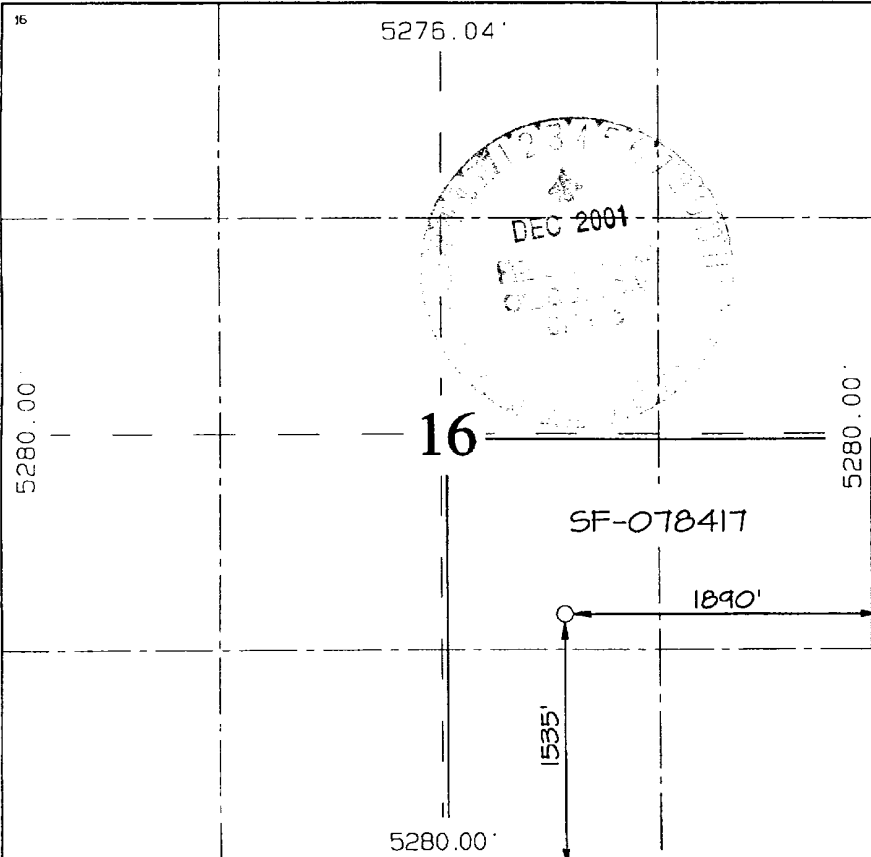
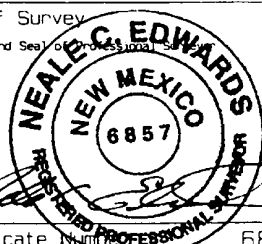
#### 10 Surface Location

UL or lot no. J	Section 16	Township 28N	Range 7W	Lot Idn	Feet from the 1535	North/South line SOUTH	Feet from the 1890	East/West line EAST	County RIO ARriba
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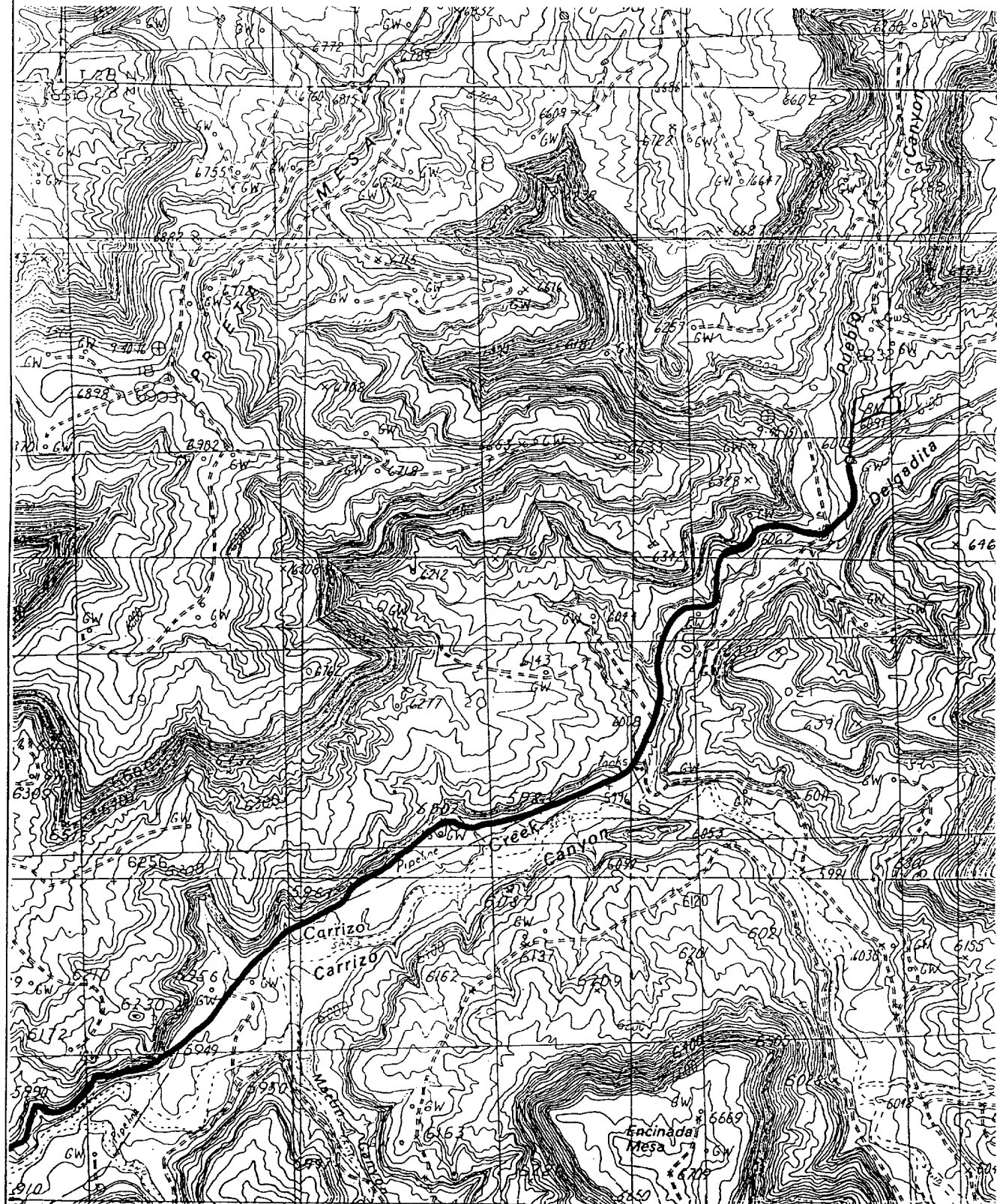
#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160.0 Acres (SE/4)					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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Kim Southall</i> Signature Kim Southall Printed Name Property Analyst Title <i>April 24, 2001</i> Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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>APRIL 16, 2001 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 6857</p>

CONOCO, INC. SAN JUAN 28-7 UNIT #291  
1535' FSL & 1890' FEL, SECTION 16, T28N, R7W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO



# PROJECT PROPOSAL - New Drill / Sidetrack



Well : SAN JUAN 28-7 291      Lease : SAN JUAN 28-7      AFE # :      AFE \$ :  
 Field Name : EAST 28-7      Rig :      State :      County :      API # :  
 Geoscientist : Layla Stiles      Phone : (281) 293-3591      Prod. Engineer : Moody, Craig E.      Phone : (281) 293 - 6559  
 Res. Engineer : Valvatne, Christine K.      Phone :      Proj. Field Lead : Bergman, Pat W.      Phone : (281) 293 - 6517

## Primary Objective (Zones) :

Pool      Pool Name  
 UPT      BLANCO P.C. SOUTH (PRORATED GAS)

*"Rud Drill"*

## Surface Location :

Latitude : 36.658469      Longitude : -107.5756      X :      Y :      Section : 16      Survey : 28N      Abstract : 7W  
 Footage X : 1845 FEL      Footage Y : 1645 FSL      Elevation: 6074 (FT)

## Bottom Hole Location :

Latitude :      Longitude :      X :      Y :      Section :      Survey :      Abstract :  
 Location Type : Year Round      Start Date (Est.) :      Completion Date :      Date In Operation :

Formation Data : Assume KB = 6087      Units = FT

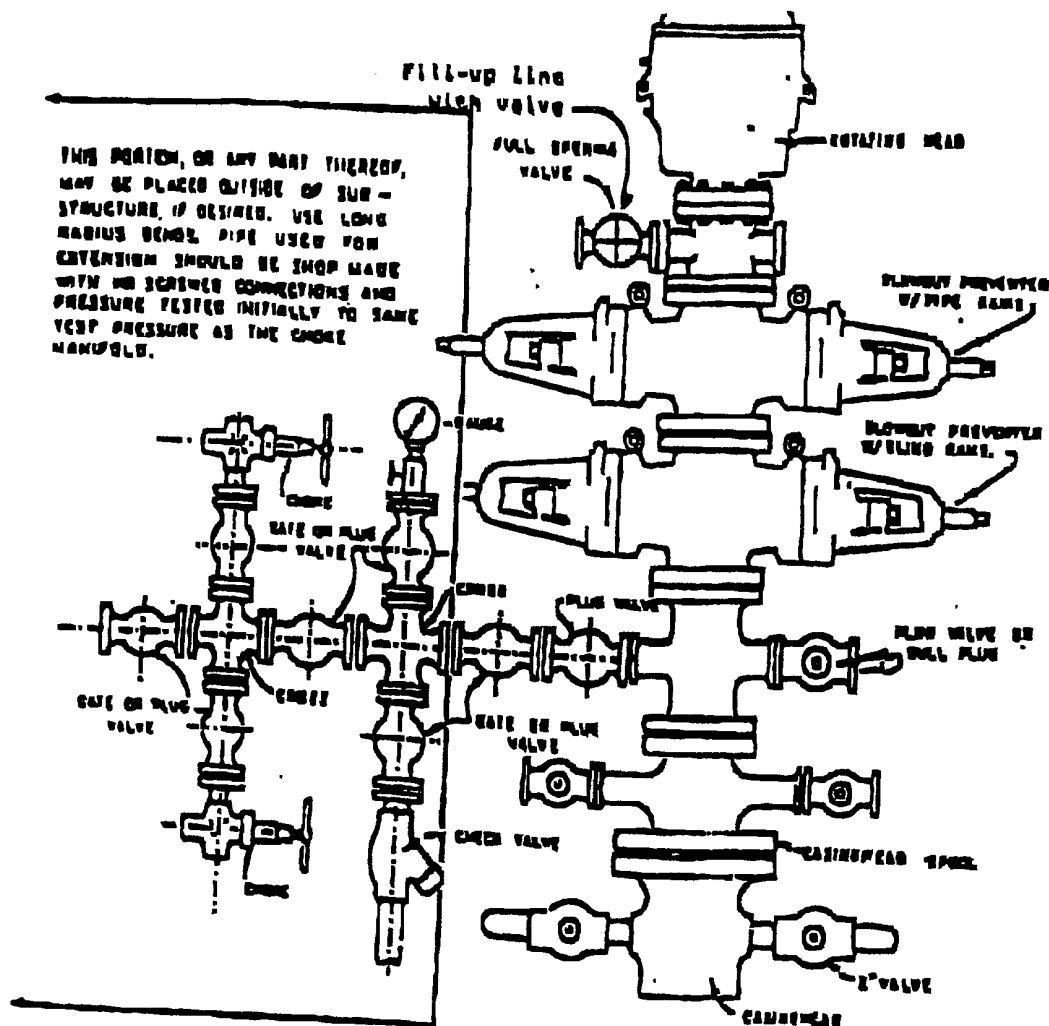
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	253	5834	<input type="checkbox"/>			Severe lost circulation is possible. 7", 20 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1847	4240	<input type="checkbox"/>			Possible water flows
KRLD	1985	4102	<input type="checkbox"/>			
FRLD	2385	3702	<input type="checkbox"/>			Possible gas
PCCF	2759	3328	<input type="checkbox"/>			
Total Depth	3165	2928	<input type="checkbox"/>			4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

## Logging Program :

Intermediate Logs : ☐ Log only if show      ☐ GR / ILD      ☐ Triple Combo  
 TD Logs : ☐ Triple Combo      ☐ Dipmeter      ☐ RFT      ☐ Sonic      ☐ VSP      ☒ TDT

Additional Information : Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.  
 Cased hole TDT with GR to surface.

Comments :



### BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 1000 psi equipment, but cannot provide annular preventors because of sub-structure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. Please see the attached BOP diagram details 2000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 3000 psi. The 2000 psi system allows the deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

1. Two rams with one blind and one pipe ram.
2. Kill line (2 inch maximum).
3. One kill line valve.
4. One choke line valve.
5. Two chokes (reference diagram No. 1).
6. Upper kelly cock valve with handle.
7. Safety valve and subs to fit all drill strings in use.
8. Two-inch minimum choke line.
9. Pressure gauge on choke manifold.
10. Fill-up line above the upper most preventor.
11. Rotating head.

## Cathodic Protection System Description

<b>Anode Bed Type</b>	Deep Well	
<b>Hole Size</b>	8"	
<b>Hole Depth</b>	200' - 500'	As required to place anodes below moisture and in low resistance strata.
<b>Surface Casing</b>	8" Diam., $\geq$ 20' Length. Cemented In Annular Space	When needed, casing will be installed at an adequate depth to control ground water flow. Casing will extend a minimum of 2' above grade, be surrounded by a concrete pad, and sealed with a PVC cap. Steel casing will be substituted when boulders are encountered.
<b>Vent Pipe</b>	1" Diam. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1" perforated PVC cap.
<b>Type Of Anodes</b>	Cast Iron Or Graphite	
<b>Number Of Anodes</b>	8 - 20	Sufficient quantity to achieve a total anode bed resistance of $< 1$ ohm and a design life $\geq$ 20 years.
<b>Anode Bed Backfill</b>	Lorasco SW Calcined Petroleum Coke Breeze	Installed from bottom of hole to 10' above top anode.
<b>Anode Junction Box</b>	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
<b>Current Splitter Box</b>	2 - 5 Circuit Metal	Sealed to prevent insect & rodent intrusion.
<b>DC / AC Cable</b>	DC: #2, #4, #6, #8 Stranded Copper (One Size Or Any Combination Of) With High Molecular Weight Polyethylene (HMWPE) Insulation.  AC: #8 Stranded Copper HMWPE	18" depth in typical situation, 24" depth in roadway, & 36" depth in arroyos and streams. EXCEPTION: If trenching is in extremely hard substratum, depth will be 8 - 12" with cable installed in conduit. Installed above foreign pipeline if 1' clearance is available. If not, installed under foreign pipeline with 1' clearance (AC cable <i>always</i> installed under foreign pipeline in conduit).
<b>Power Source</b>	1) Rectifier 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
<b>External Painting</b>	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.