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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 30-039-27078		² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 016608	⁵ Property Name SAN JUAN 28-7 UNIT		⁶ Well Number 145F
⁷ GRID No. 005073	⁸ Operator Name CONOCO, INC.		⁹ Elevation 6673'

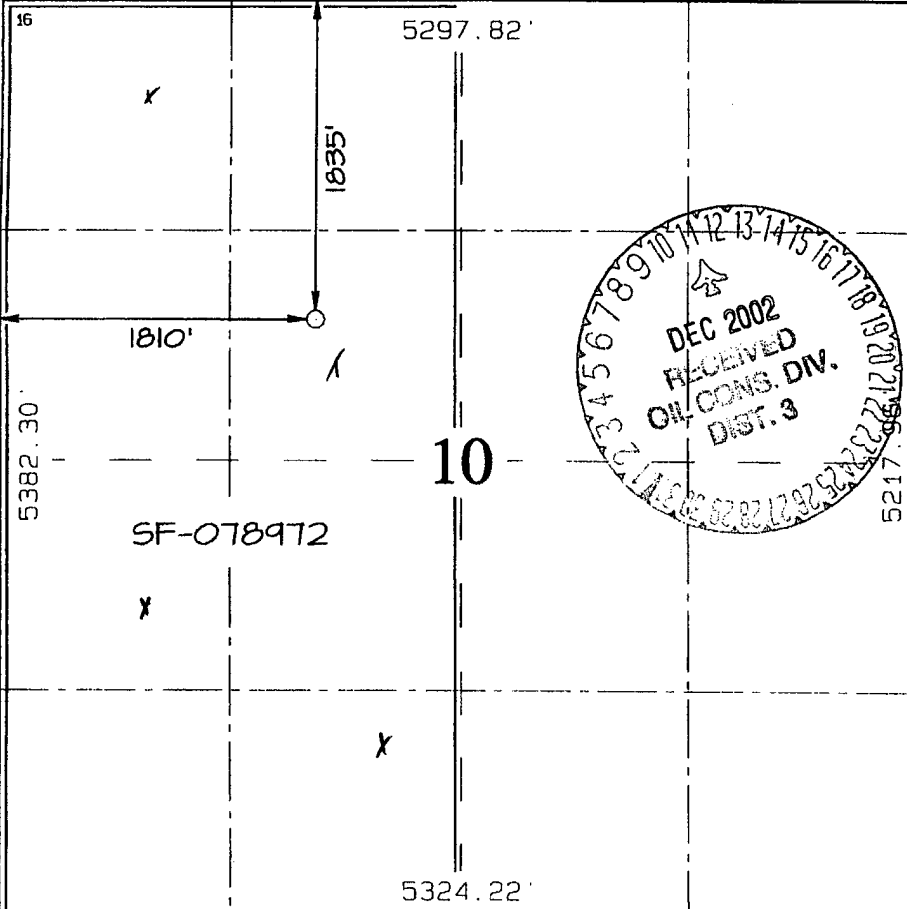
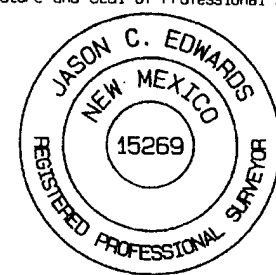
¹⁰ Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	10	27N	7W		1835	NORTH	1810	WEST	RIO ARriba

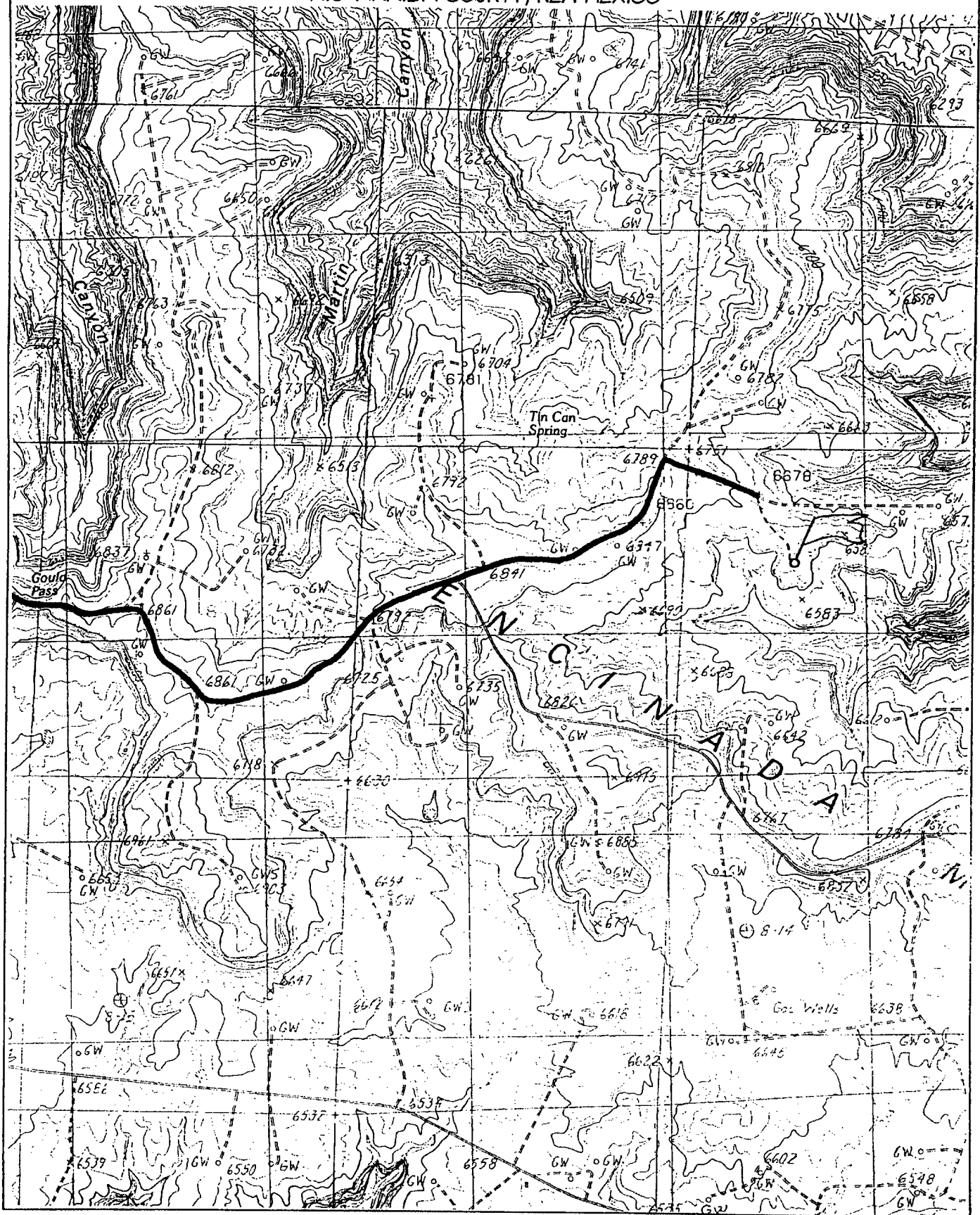
¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320.0 Acres - W/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

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Vicki R. Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title <i>December 17, 2001</i> Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <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>Survey Date: NOVEMBER 18, 2001</p> <p>Signature and Seal of Professional Surveyor</p> <p> <i>JASON C. EDWARDS</i> Certificate Number 15269</p>

CONOCO, INC. SAN JUAN 28-7 UNIT #145F
1835' FNL & 1810' FWL, SECTION 10, T27N, R7W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



PROJECT PROPOSAL - Completion

SAN JUAN 28-7 145F

(Not
Assigned)

ConocoPhillips
San Juan Business Unit

Lease :	AFE # :	AFE \$:
Field Name : EAST 28-7	Rig :	State : NM County : RIO ARRIBA API # :
Geoscientist :	Phone :	Prod. Engineer Phone :
Res. Engineer :	Phone :	Proj. Field Lead Phone :

Primary Objective (Zones)

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

"Air Drilled"

Location : Surface					
Latitude : 36.59	Longitude : -107.56	X :	Y :	Section : 10	Abstract: 7W
Footage X : 1810 FWL	Footage Y : 1835 FNL	Elevation: 6673	(FT)	Survey : 27N	
Tolerance					

Location Type :	Start Date (Est.)	Completion Date :	Date In Operation :
Formation Data Assume KB	6686 Units = FT		

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6486	<input type="checkbox"/>			Severe lost circulation is possible. 12 1/4" Hole. 9 5/8", 36 ppf, J-55, STC casing. Will test to 500 psi. Circulate cement to surface.
OJAM	2436	4250	<input type="checkbox"/>			Possible water flows
KRLD	2586	4100	<input type="checkbox"/>			
FRLD	2976	3710	<input type="checkbox"/>			Possible gas
PCCF	3226	3460	<input type="checkbox"/>			Lost Circulation & Gas
LEWS	3426	3260	<input type="checkbox"/>			
Intermediate Casing	3526	3160	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface. Will test to 1500 psi.
CHRA	4161	2525	<input type="checkbox"/>			
CLFH	4906	1780	<input type="checkbox"/>			Gas; possibly wet
MENF	5006	1680	<input type="checkbox"/>			Gas
PTLK	5476	1210	<input type="checkbox"/>			Gas
MNCS	5776	910	<input type="checkbox"/>			
GLLP	6706	-20	<input type="checkbox"/>			Possibly wet
GRHN	7386	-700	<input type="checkbox"/>			Gas possible, highly fractured
TWLS	7461	-775	<input type="checkbox"/>			Gas
CBBO	7606	-920	<input type="checkbox"/>			Gas, Possibly wet.
Total Depth	7736	-1050	<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.

Reference Wells

Intermediate:	Well Name	Comments
Production:	Well Name	Comments



Cementing Summary

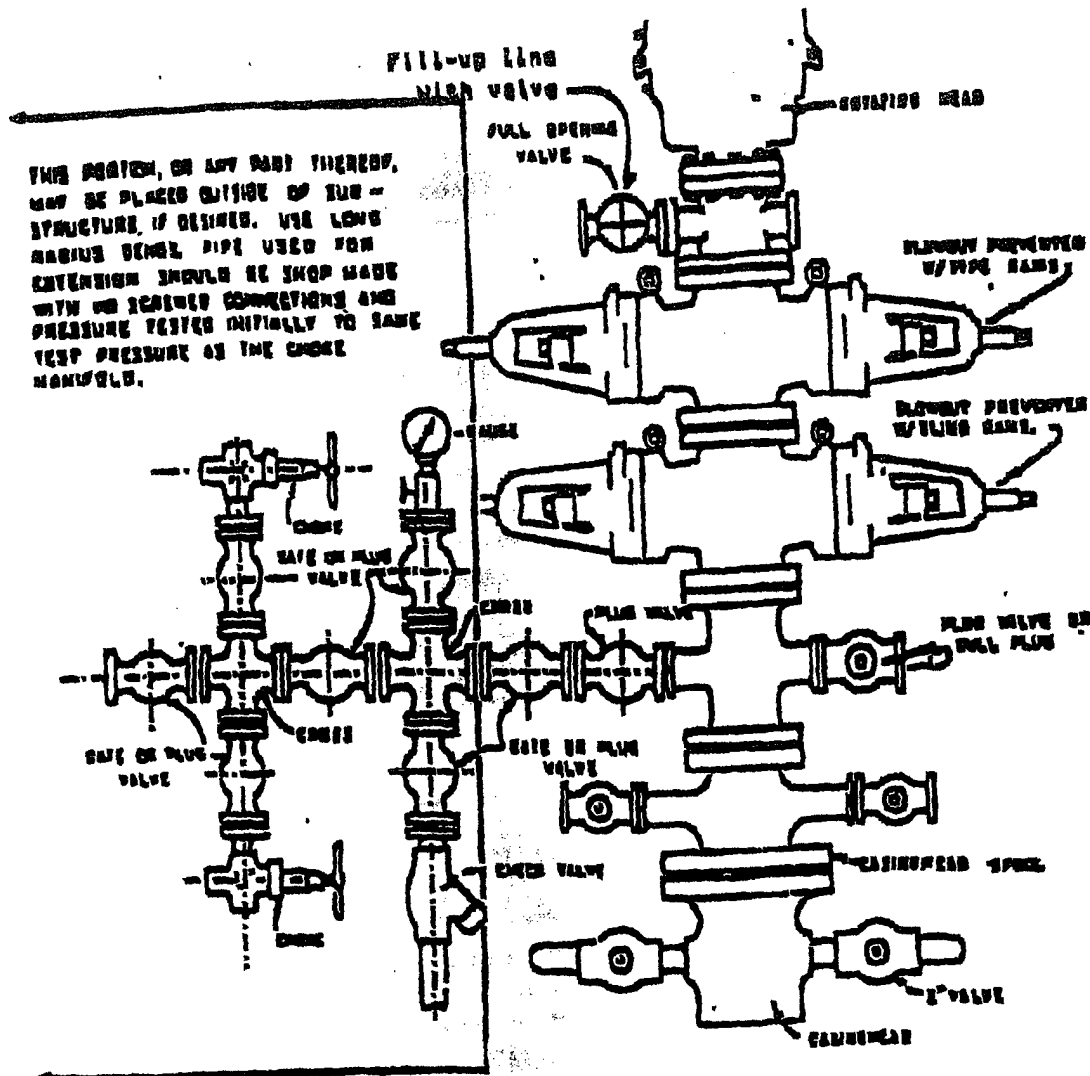
San Juan 28-7 145F (v1.0)

		OH					
		Depth	Excess				
	9-5/8" Sfc Casing	0		50:50 Poz Standard C	108.1 sx	Slurry Volume	142.6 cu ft
				Cement	47 lb/sk		25.4 bbl
				San Juan Poz	34 lb/sk	Slurry Density	13.5 ppg
				Gel (Bentonite)	2.0% bwoc-db	Slurry Yield	1.32 cu ft/sk
				Gilsonite	5.0 lb/sk	Mix Fluid	5.35 gal/sk
				CaCl2	3.0% bwoc-db		
				Flocele	0.25 lb/sk		
				CFR-3	0.25% bwoc-db		
9-5/8" shoe	200	100%					
7" Lead Cement	100%			Standard Cement	325.23 sx	Slurry Volume	943.2 cu ft
				Standard Cement	94 lb/sk		168.0 bbl
				Econolite	3.0% bwoc	Slurry Density	11.4 ppg
				Flocele	0.5 lb/sk	Slurry Yield	2.9 cu ft/sk
				Gilsonite	10.0 lb/sk	Mix Fluid	16.78 gal/sk
				Defoamer (if req'd)	0.05 gal/bbl		
7" Top of Tail	3,226						
7" Tail Cement	100%			50:50 Poz Standard	82.176 sx	Slurry Volume	109.3 cu ft
				Standard Cement	47.0 bwob		19.5 bbl
				San Juan Poz	34.0 lb/sk	Slurry Density	13.5 ppg
				CaCl2	2.00% bwob	Slurry Yield	1.33 cu ft/sk
				Bentonite-Gel	2.00% bwob	Mix Fluid	5.32 gal/sk
4.5" TOC	3,326			Flocele	0.25 lb/sk		
				Gilsonite	5.0 lb/sk		
				Defoamer (if req'd)	0.05 gal/bbl		
7" Casing Intermediate	3,526	100%					
4.5" Cement	50%			Blend	460.43 sx	Slurry Volume	672.2 cu ft
				Standard Cement	47 lb/sk		119.7 bbl
				San Juan Poz	37 lb/sk	Slurry Density	13.0 ppg
				Bentonite	3.00% bwob	Slurry Yield	1.46 cu ft/sk
				CFR-3	0.20% bwoc	Mix Fluid	6.42 gal/sk
				Halad-9	0.80% bwoc		
				HR-5	0.10% bwoc		
				Gilsonite	5.0 lb/sk		
				Flocele	0.25 lb/sk		
				Defoamer (if req'd)	0.05 gal/bbl		
4-1/2" Casing Production	7,736	50%					

Conoco to verify casing depths.

Note:

THIS SECTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF THE STRUCTURE, IF DESIRED. THE LONG RADIUS BEND, PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH WELDED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKES MANIFOLD.



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 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 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 (3 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

Anode Bed Type	Deep Well	
Hole Size	8"	
Hole Depth	200' - 500'	As required to place anodes below moisture and in low resistance strata.
Surface Casing	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.
Vent Pipe	1" Diam. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1" perforated PVC cap.
Type Of Anodes	Cast Iron Or Graphite	
Number Of Anodes	8 - 20	Sufficient quantity to achieve a total anode bed resistance of < 1 ohm and a design life \geq 20 years.
Anode Bed Backfill	Lorasco SW Calcinad Petroleum Coke Braeze	Installed from bottom of hole to 10' above top anode.
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sealed to prevent insect & rodent intrusion.
DC / AC Cable	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 pipelines if 1' clearance is available. If not, installed under foreign pipeline with 1' clearance (AC cable always installed under foreign pipeline in conduit).
Power Source	1) Rectifier 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.