

NMOCB

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 30-045-30903		2 Pool Code 72319 / 71599		3 Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
4 Property Code 22395		5 Property Name LACKEY B LS			6 Well Number 16M
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 5914'

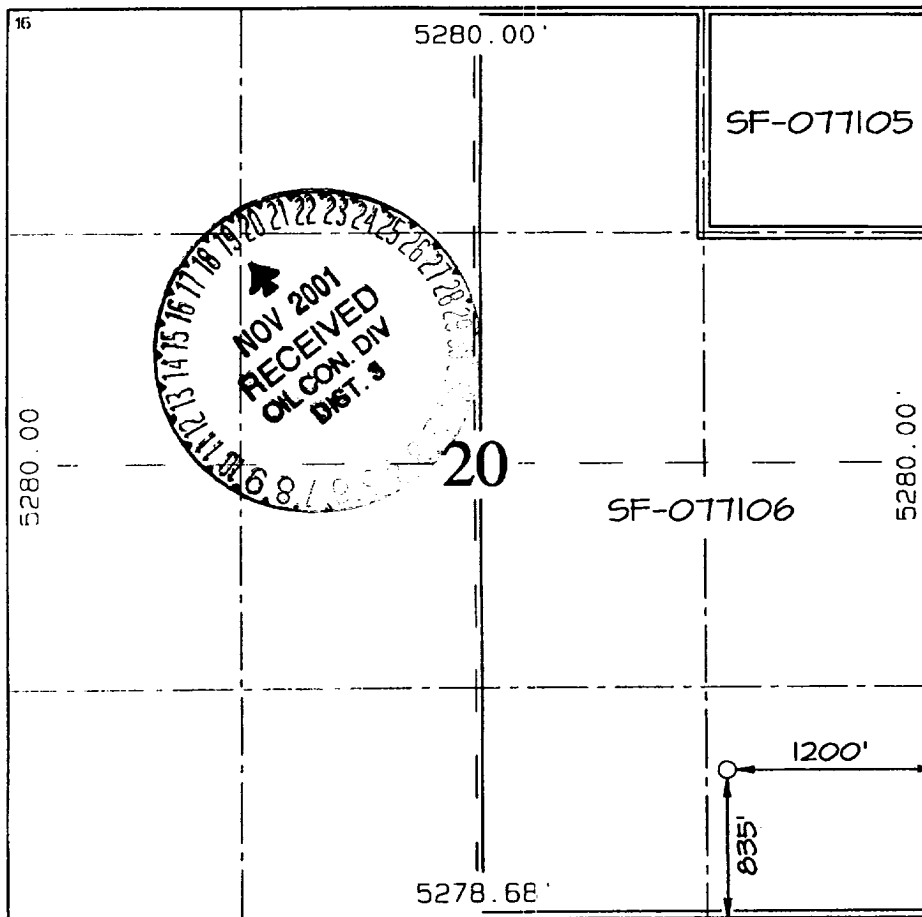
10 Surface Location

11 UL or lot no. P	12 Section 20	13 Township 28N	14 Range 9W	15 Lot Idn	16 Feet from the 835	17 North/South line SOUTH	18 Feet from the 1200	19 East/West line EAST	20 County SAN JUAN
-----------------------	------------------	--------------------	----------------	------------	-------------------------	------------------------------	--------------------------	---------------------------	-----------------------

11 Bottom Hole Location If Different From Surface

21 UL or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South line	28 Feet from the	29 East/West line	30 County
31 Dedicated Acres 320.0 Acres - (E/2)					32 Joint or Infill	33 Consolidation Code	34 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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Vicki R. Westby
Signature

Vicki R. Westby

Printed Name

Sr. Title Analyst

Title

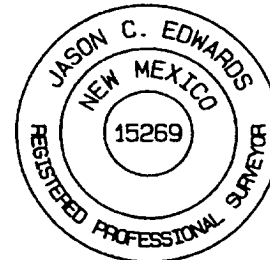
September 17, 2001
Date

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: AUGUST 5, 2001

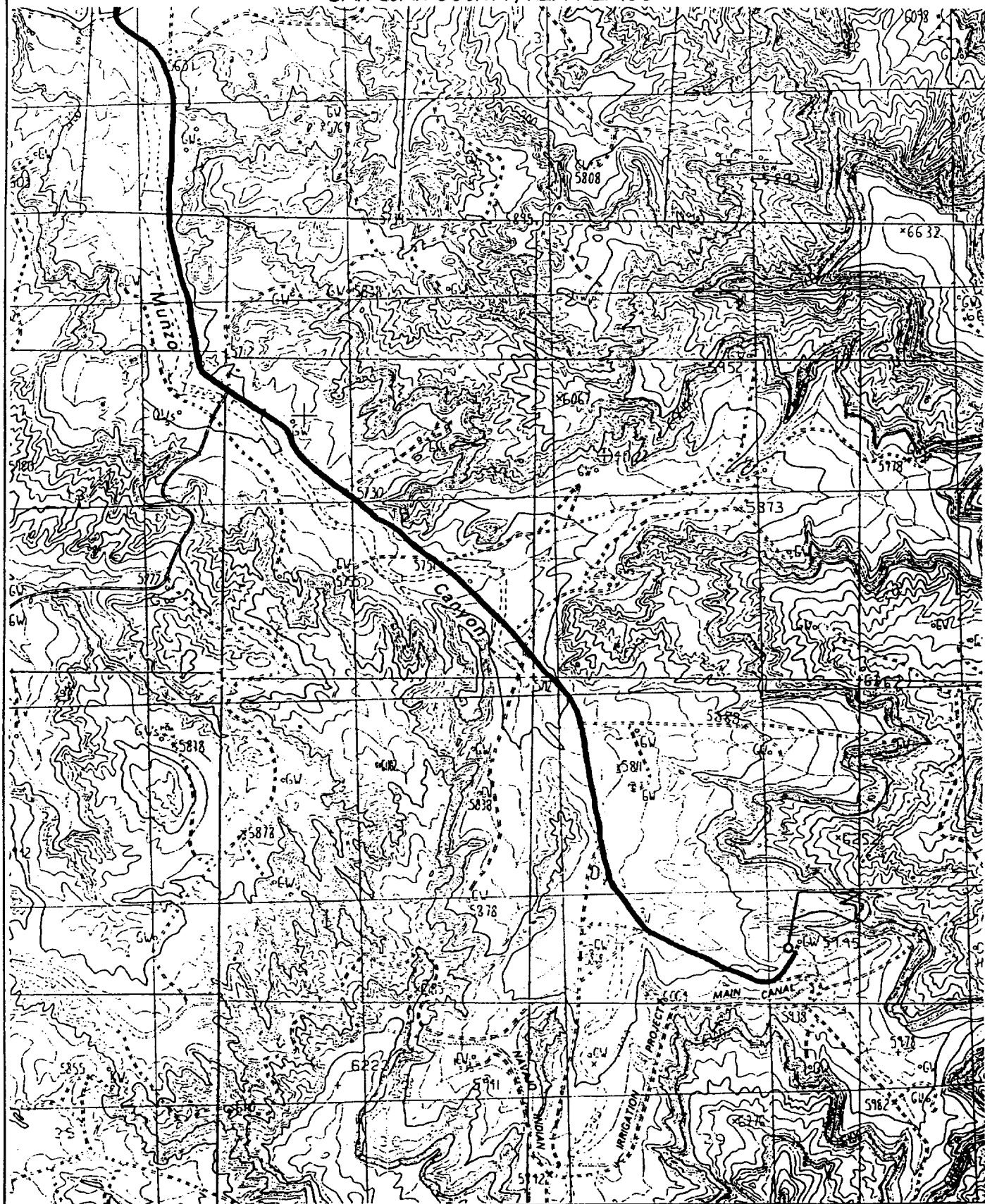
Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

CONOCO, INC. LACKEY B LS #16M
835' FSL & 1200' FEL, SECTION 20, T28N, R9W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



PROJECT PROPOSAL - New Drill / Sidetrack



Well : LACKEY B L S 16M Lease : LACKEY B L S AFE # : AFE \$:
 Field Name : WEST Rig : Key 49 State : NM County : San Juan API # :
 Geoscientist : Campbell, Lisa M. Phone : (281) 293 - 6527 Prod. Engineer : Durkee, Marc Phone : (281) 293 - 6530
 Res. Engineer : Boneau, Trent C. Phone : (281) 293-6520 Proj. Field Lead : Phone :

Primary Objective (Zones) :

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

"Bud Drill"

Surface Location :

Latitude : 36.642433 Longitude : -107.8065 X : Y : Section : 20 Survey : 28N Abstract : 09W
 Footage X : 1200 FEL Footage Y : 835 FSL Elevation : 5914 (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 = 5927 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	500	5427	<input checked="" type="checkbox"/>			Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1095	4832	<input checked="" type="checkbox"/>			Possible water flows
KRLD	1197	4730	<input checked="" type="checkbox"/>			
FRLD	1740	4187	<input checked="" type="checkbox"/>			Possible gas
PCCF	2100	3827	<input checked="" type="checkbox"/>			
LEWS	2238	3689	<input checked="" type="checkbox"/>			
CLFH	3752	2175	<input checked="" type="checkbox"/>			Gas; possibly wet
MENF	3790	2137	<input checked="" type="checkbox"/>			Gas
PTLK	4405	1522	<input checked="" type="checkbox"/>			Gas
GRHN	6354	-427	<input checked="" type="checkbox"/>			Gas possible, highly fractured
GRRS	6425	-498	<input checked="" type="checkbox"/>			
TWLS	6480	-553	<input checked="" type="checkbox"/>			Gas
PAGU	6538	-611	<input checked="" type="checkbox"/>			Gas
CBBO	6580	-653	<input checked="" type="checkbox"/>			Gas
BRRO	6702	-775	<input checked="" type="checkbox"/>			
MRSN	6727	-800	<input checked="" type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack



Total Depth

6907

-980



*Cement top will have 100' min overlap
w/ surface pipe*

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.

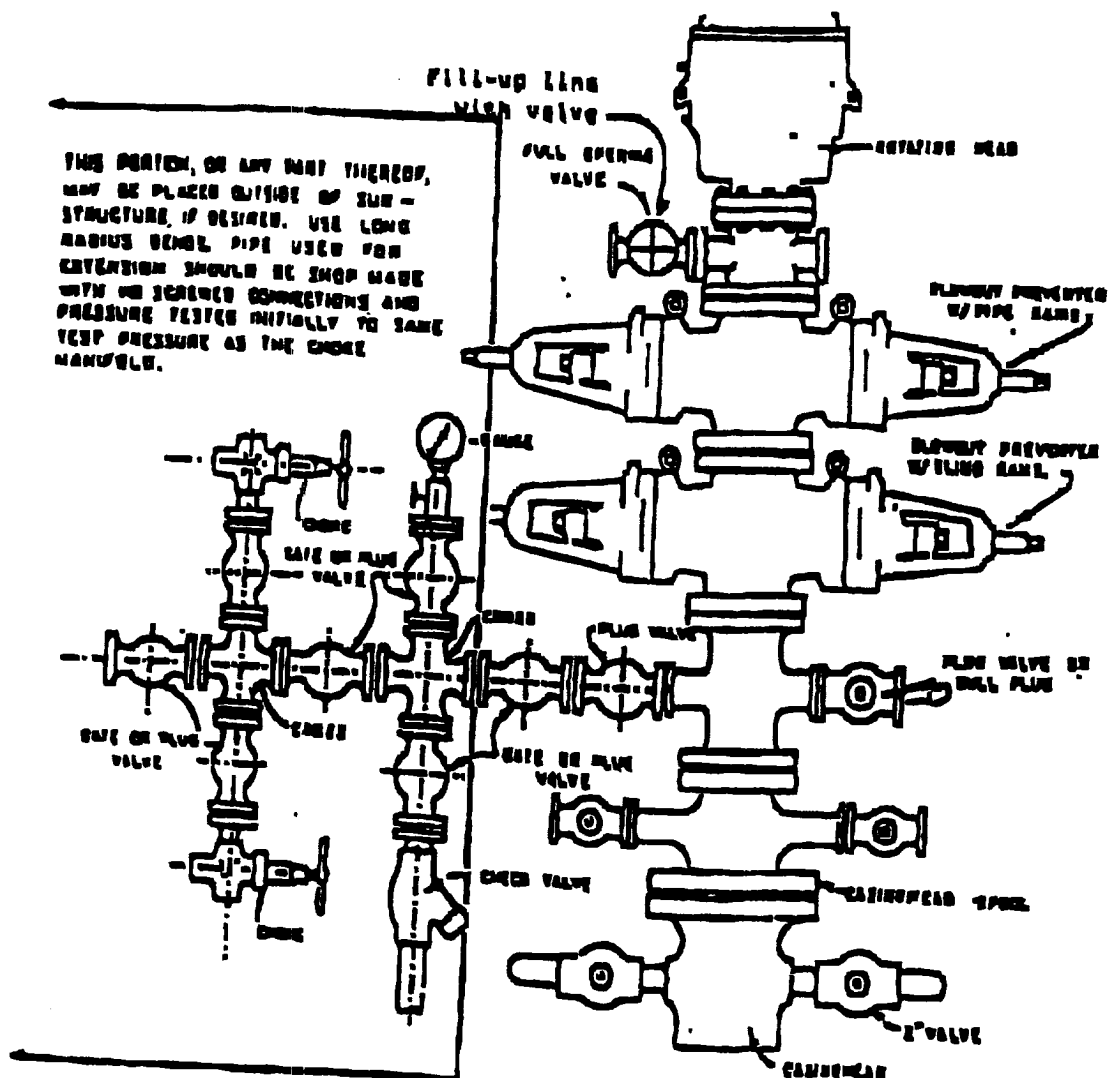
Comments : Will not complete CH part of MV, will TD in Morrison. Mud vs. air drill? Needs to be discussed with drilling.

Cementing Summary

Lackey B LS 16M

		OH							
		Depth	Excess						
	9-5/8" Sfc. Casing 12-1/4" Hole	0		Class 'H' Cement	312 sx	Slurry Volume	330.6 cu ft		
				Flocele (if req'd)	0.25 lb/sk		58.9 bbl		
				CaCl2	2.00% bwoc-db	Slurry Density	16.5 ppg		
				Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.06 cu ft/sk		
						Mix Fluid	4.2 gal/sk		
	9-5/8" shoe	500	100%	Cement Blend	646 sx	Slurry Volume	1829.1 cu ft		
				Class 'H' Cement	84 lb/sk		325.8 bbl		
				San Juan Poz	lb/sk	Slurry Density	11.4 ppg		
				Econolite	3.00% bwob	Slurry Yield	2.83 cu ft/sk		
				CaCl2	bwob	Mix Fluid	17.29 gal/sk		
				CFR-3	bwob				
				HR-5	bwob				
				Silicalite-blended	10 lb/sk				
				Flocele	0.5 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	DV Tool #2 Stage #3	3,602	75%	Cement Blend	781 sx	Slurry Volume	1327.8 cu ft		
				Class 'H' Cement	47 lb/sk		236.5 bbl		
				San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg		
				Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk		
				Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk		
				CFR-3	0.20% bwob				
				HR-5	0.10% bwob				
				Silicalite-blended	20 lb/sk				
				Flocele	0.25 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	DV Tool #1 Stage #2	6,204	60%	Cement Blend	237 sx	Slurry Volume	402.1 cu ft		
				Class 'H' Cement	47 lb/sk		71.6 bbl		
				San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg		
				Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk		
				Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk		
				CFR-3	0.20% bwob				
				HR-5	0.10% bwob				
				Silicalite-blended	20 lb/sk				
				Flocele	0.25 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	4-1/2" Csg Str Stage #1 8-3/4" Hole	6,907	60%						

Note: Conoco to verify casing & hole sizes, DV depths, etc.



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 1000 psi equipment according to Onshore Order No. 2 even though the deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 1000 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

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 Calcined Petroleum Coke Breeze	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.