

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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

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

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

District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30680		*Pool Code 71599	*Pool Name BASIN DAKOTA	
*Property Code 18109		*Property Name NEWSOM		*Well Number 15E
*CGRID No. 005073		*Operator Name CONOCO, INC.		*Elevation 6222'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
J	18	26N	8W		1725	SOUTH	1795	EAST	SAN JUAN

¹¹Bottom 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 320.0 Acres (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

15 1312.74' 1301.52' 2603.04'

2531.42'

LOT 1

LOT 2

LOT 3

LOT 4

1294.26' 1300.85' 2601.06'

5192.22'

18

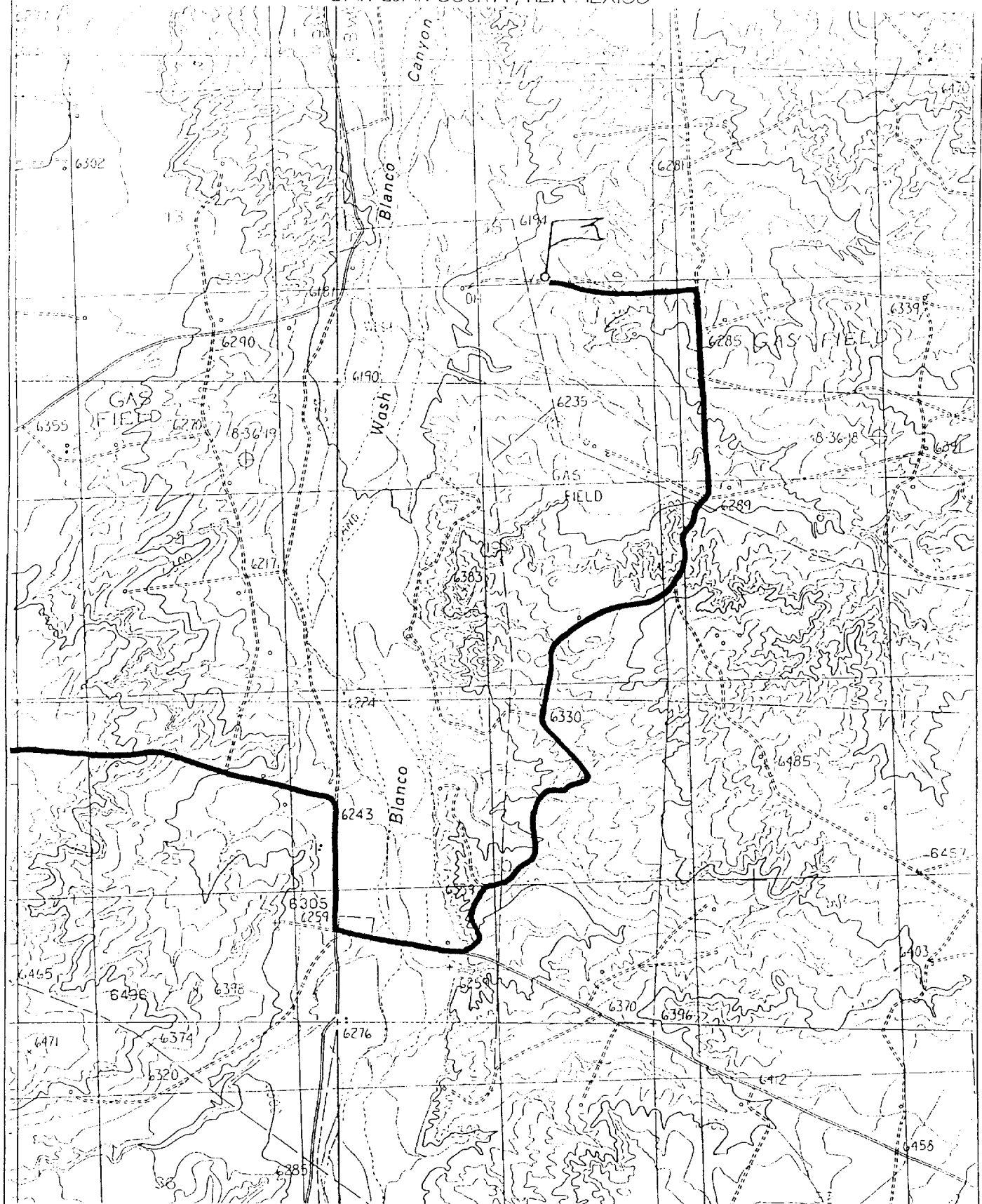
1795'

1725'

NOV 2001 RECEIVED OIL & GAS DIV. U.S. DEPT. OF THE INTERIOR

SF-078433

1725' FSL & 1795' FEL, SECTION 18, T26N, R8W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



PROJECT PROPOSAL - New Drill / Sidetrack



Well : NEW007198 Lease : NEWSOM Aff # : AFF 51
 Field Name : EAST NICHOL 287 Rig : State : NM County : San Juan API # :
 Geoscientist : Vincent, Terry J Phone : (281) 293 - 6538 Prod. Engineer : Moody, Craig E Phone : (281) 293 - 6561
 Res. Engineer : Stevenson, Marc Phone : (281) 293 - 6564 Proj. Field Lead : Bergman, Pat W. Phone : (281) 293 - 6517

Primary Objective (Zones) :

Pool : Pool Name :
 FRR : BASIN DAKOTA (PRORATED GAS)

New Drill

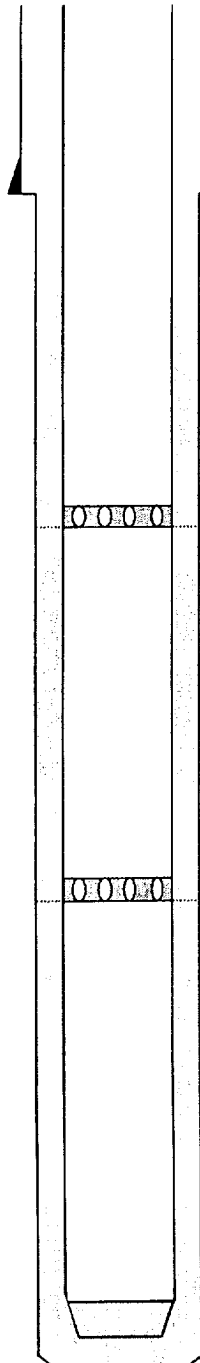
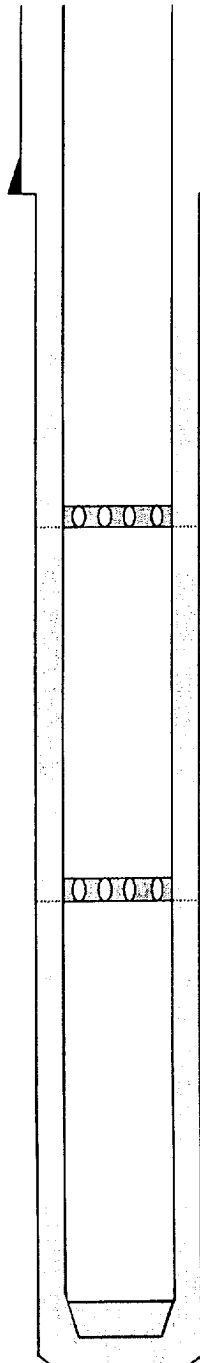
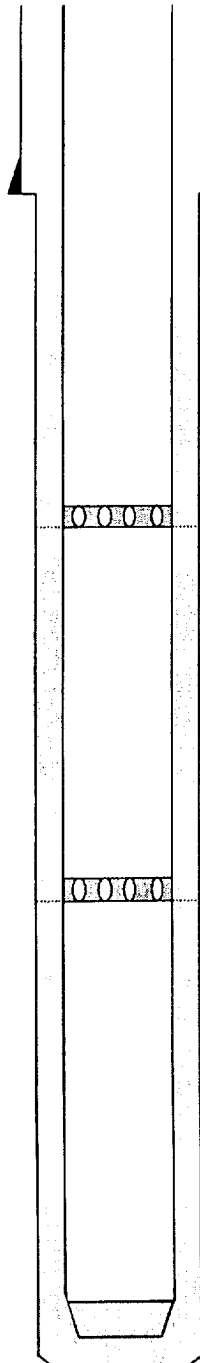
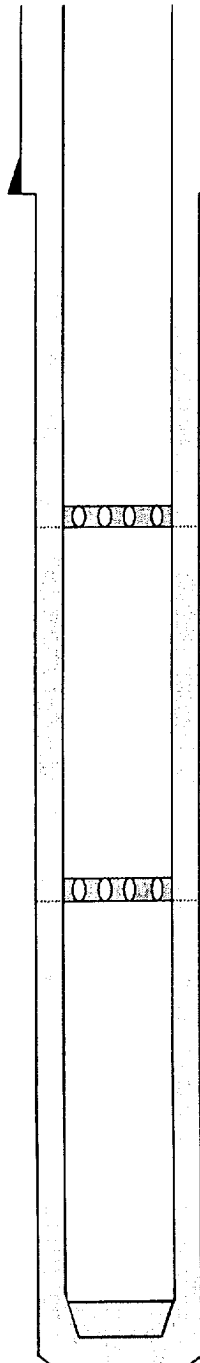
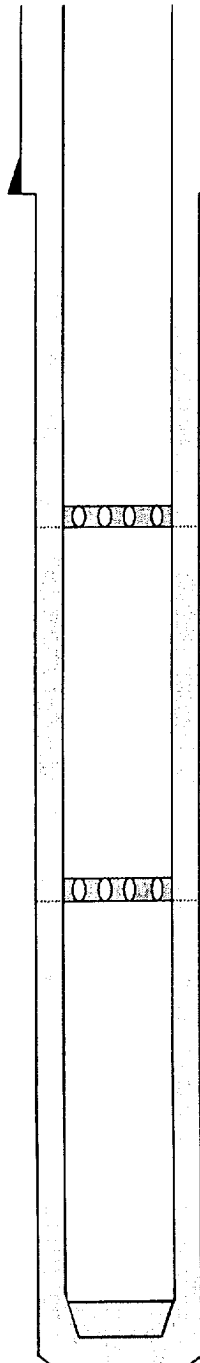
Surface Location :

Latitude : 36.48545 Longitude : -107.7199 X : Y : Section : 18 Survey : 26N Abstract : 8W
 Footage X : 1795 FEL Footage Y : 1725 FSL Elevation : 6222 (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 = 6235 Units = FT

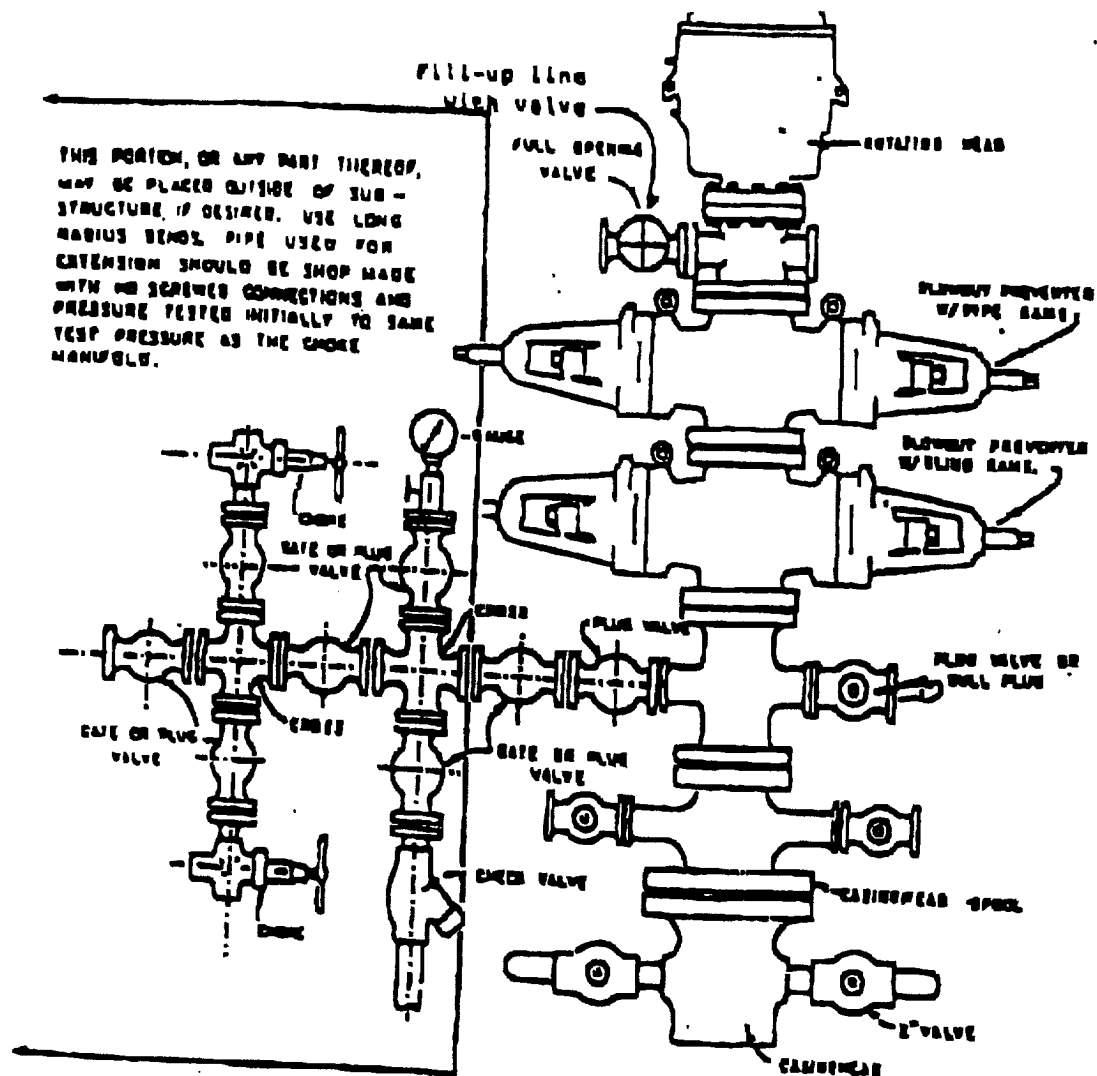
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	282	5953				Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1092	5143				Possible water flows"
KRLD	1142	5093				
FRLD	1652	4583				Possible gas
PCCF	1952	4283		1100		
CHRA	2847	3388				
CLFH	3537	2698				Gas; possibly wet
MENF	3627	2608				Gas
PTLK	4287	1948				Gas
GLLP	5427	808				
GRHN	6237	-2				Gas possible, highly fractured
TWLS	6315	-80				Gas
PAGU	6405	-170				Gas
CBBO	6467	-232				Gas
Total Depth	6668			3000		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 IDT with GR to surface.

Cementing Summary

Newsom 15E

		OH						
		Depth	Excess					
	9-5/8" Sfc. Casing	0		Class 'H' Cement	183 sx	Slurry Volume	194.0 cu ft	
				Flocele (if req'd)	0.25 lb/sk		34.6 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	282	100%	Cement Blend	622 sx	Slurry Volume	1760.2 cu ft	
				Class 'H' Cement	84 lb/sk		313.5 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	3,387	75%	Cement Blend	809 sx	Slurry Volume	1376 cu ft	
				Class 'H' Cement	47 lb/sk		245.1 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	0.15% bwob			
				Silicalite-blended	20 lb/sk			
				Flocele	0.25 lb/sk			
				Defoamer (if req'd)	0.05 gal/bbl			
	DV Tool #1 Stage #2	6,087	60%	Cement Blend	201 sx	Slurry Volume	342.2 cu ft	
				Class 'H' Cement	47 lb/sk		60.9 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 St Stage #1	6,668	60%					

Note: Conoco to confirm DV depths



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 delation 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 preventer.
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	Loreasco SW Calained 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.