

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 078433
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: KIM SOUTHALL E-Mail: kim.j.southall2@usa.conoco.com		8. Lease Name and Well No. NEWSOM 18E 18109
3a. Address 10 DESTA DRIVE, SUITE 607W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5565 Fx: 915.686.6503	9. API Well No. 30-045-30687
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 1800FNL 1450FWL At proposed prod. zone		10. Field and Pool, or Exploratory Basin Dakota
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area F Sec 20 T26N R8W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	12. County or Parish SAN JUAN
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 6880 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6291 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 320 w/2
23. Estimated duration		20. BLM/BIA Bond No. on file

24. Attachments

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

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

25. Signature	Name (Printed/Typed) KIM SOUTHALL	Date 05/23/2001
Title SUBMITTING CONTACT		
Approved by (Signature) Lee Otterl	Name (Printed/Typed)	Date 7-25-01
Title FM	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 #4486 verified by the BLM Well Information System
For CONOCO INC., sent to the Farmington
Committed to AFMSS for processing by Maurice Johnson on 06/01/2001 ()

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
SF 078433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
NEWSOM 18E

9. API Well No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCO INC.

Contact: KIM SOUTHALL
E-Mail: kim.j.southall2@conoco.com

3a. Address
10 DESTA DRIVE, SUITE 607W
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 915.686.5565
Fx: 915.686.6503

10. Field and Pool, or Exploratory
DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 20 T26N R8W Mer SENW

11. County or Parish, and State
SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> APDCH
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco Inc. originally submitted the Blanco Pictured Cliffs, South/Basin Dakota pools. We propose to amend this to the Dakota pool only.

Thank you.



14. I hereby certify that the foregoing is true and correct.

Electronic Submission #4710 verified by the BLM Well Information System For CONOCO INC., sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 06/06/2001 ()

Name (Printed/Typed) KIM SOUTHALL	Title SUBMITTING CONTACT
Signature	Date 06/04/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD
JUL 24 2001
FARMINGTON FIELD OFFICE
BY

Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____

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.

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District I
PO Box 1980, Hobbs NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

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

District II
PO Box 1980, Hobbs NM 88241-1980

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

District III
PO Box 1980, Hobbs NM 88241-1980

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30687		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 18109	*Property Name NEWSOM		*Well Number 18E
OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6291'

¹⁰ Surface Location

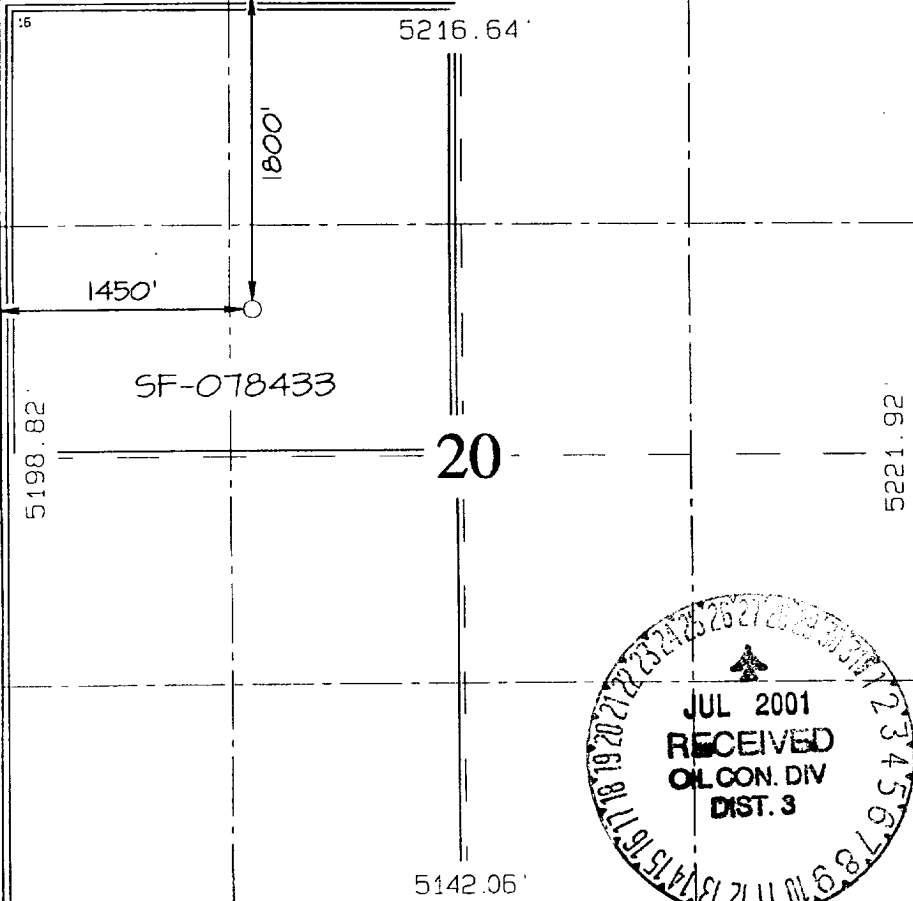
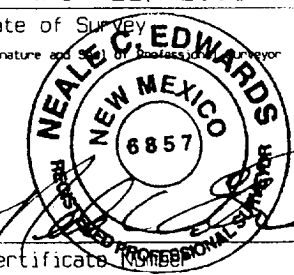
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	26N	8W		1800	NORTH	1450	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

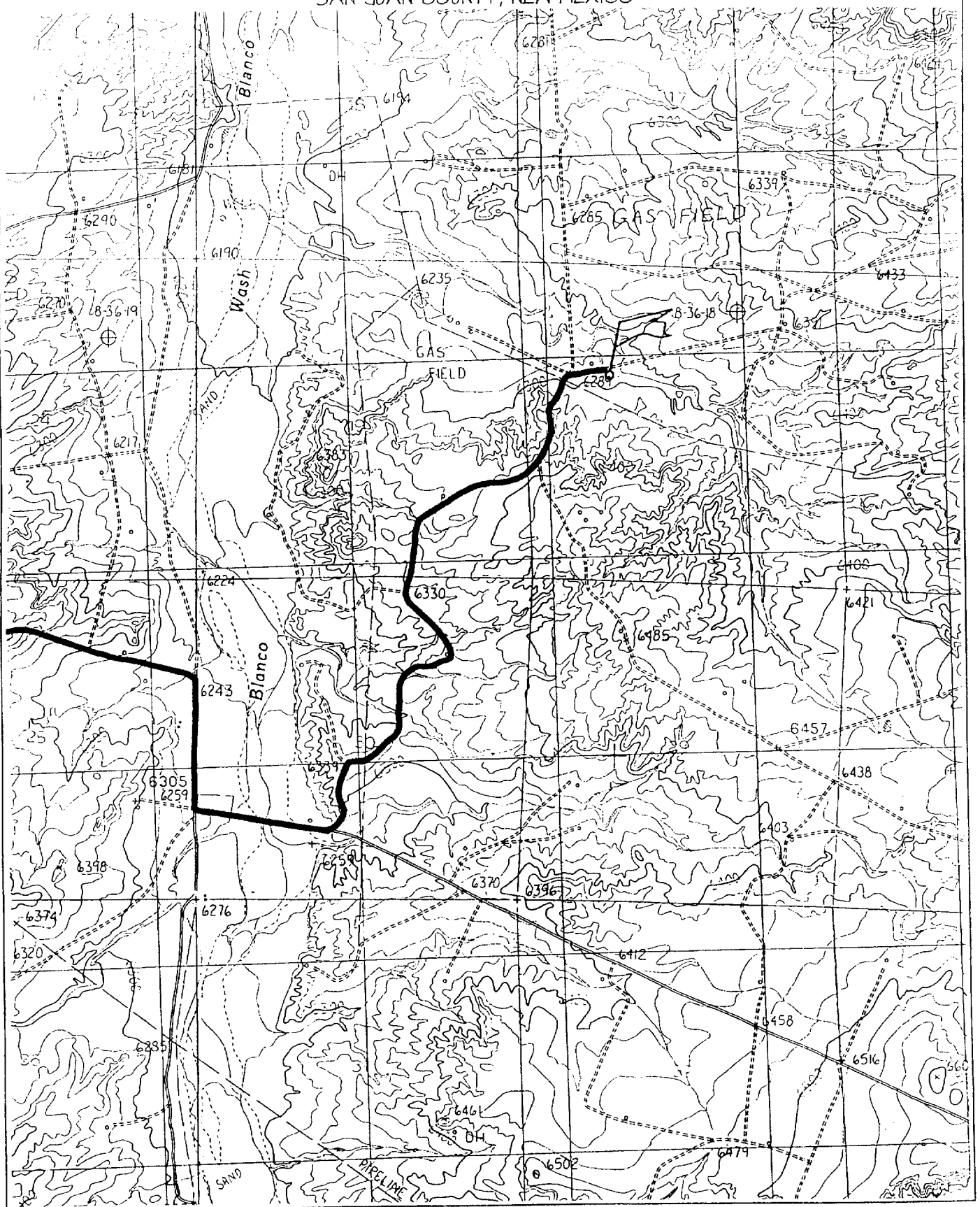
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320.0 Acres (DK)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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. <i>Kim Southall</i> Signature Kim Southall Printed Name Property Analyst Title <i>May 21, 2001</i> 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. MARCH 22, 2001 Date of Survey <i>NEALE C. EDWARDS</i> Signature and Title of Professional Surveyor  Certificate Number 6857

1800' FNL & 1450' FWL, SECTION 20, T26N, R8W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



Cementing Summary

Newsom 18E

	Depth	OH Excess				
9-5/8" Sfc. Casing	0		Class 'H' Cement	185 sx	Slurry Volume	195.9 cu ft
			Flocele (if req'd)	0.25 lb/sk		34.9 bbl
			CaCl ₂	2.00% bwoc-db	Slurry Density	16.5 ppg
			Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.06 cu ft/sk
			<i>circulate</i>		Mix Fluid	4.2 gal/sk
9-5/8" shoe	285 320 min	100%	Cement Blend	639 sx	Slurry Volume	1807.4 cu ft
			Class 'H' Cement	84 lb/sk		321.9 bbl
			San Juan Poz	lb/sk	Slurry Density	11.4 ppg
			Econolite	3.00% bwob	Slurry Yield	2.83 cu ft/sk
			CaCl ₂	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	3,476	75%	Cement Blend	811 sx	Slurry Volume	1378.4 cu ft
			Class 'H' Cement	47 lb/sk		245.5 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	0.15% bwob		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
DV Tool #1 Stage #2	6,181	60%	Cement Blend	235 sx	Slurry Volume	400.2 cu ft
			Class 'H' Cement	47 lb/sk		71.3 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	6,880	60%				

Note: Conoco to confirm DV depths

Production casing cement to circulate

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 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 6 - 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 <i>always</i> 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.