

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Conoco Inc.

3. ADDRESS AND TELEPHONE NO.

10 Desta Drive, Suite 649W, Midland, TX 79705; 915/686-5515

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

125' FSL & 2330' FWL

At proposed prod. Zone

125' FSL & 2330' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. Unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6047'

6. NO. OF ACRES IN LEASE

9. PROPOSED DEPTH
7005'

17. NO. OF ACRES ASSIGNED
TO THIS WELL
320

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
1/05/00

5. LEASE DESIGNATION AND SERIAL NO.

SF 078497

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

2: 22

7. UNIT AGREEMENT NAME

San Juan 28-7

8. FARM OR LEASE NAME WELL NO.

#238F

9. API WELL NO.

30-039-26603

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde/Basin Dakota

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

Sec. 29, T28N, R7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	J-55; 9 5/8"	36#	285'	138 sxs, circ.
8 3/4"	J-55; 7"	20#	2960'	477 sxs, circ.
6 1/4"	J-55, 4 1/2"	10.5#	7005'	TOC @ 2860', 355 sxs, circ.

It is proposed to drill a vertical wellbore in the Blanco Mesaverde and Basin Dakota Pools. DHC application will be filed with the BLM and NMOCD. An NOS was filed 03/10/00. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102).
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan.
6. Production Facility Layout.

This order is subject to technical and
procedural review pursuant to 43 CFR 3185.3
and appeal pursuant to 43 CFR 3105.4.

APD/ROW
APPROVED FOR THE BUREAU OF LAND MANAGEMENT
BY THE DIRECTOR, BUREAU OF LAND MANAGEMENT
ON BEHALF OF THE SECRETARY OF THE INTERIOR

This application includes ROW's for the well pad, access road, cathodic protection, and pipeline.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Kiribaly Smithell TITLE Analyst

DATE 12/05/00

PERMIT NO.

APPROVAL DATE

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Jim Lovato

TITLE

DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

NMOCD

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

200 DEC -8 PM 2:22 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT, NM

*API Number 30-039-26603		*Pool Code 72219/71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 238F
*OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6047'

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
N	29	28N	7W		125	SOUTH	2330	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	¹³ Joint or Infill W/S	¹⁴ Consolidation Code	¹⁵ Order No. NSL-4526
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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

15	5286.60'	29	5280.00'	125'	5280.00'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Mike L. Mankin</u> Printed Name <u>Mike L. Mankin</u> Title <u>Right-Of-Way Agent</u> Date <u>4-19-00</u>

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200 DEC -03 PM 2:22

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*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 238F
*OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6047'

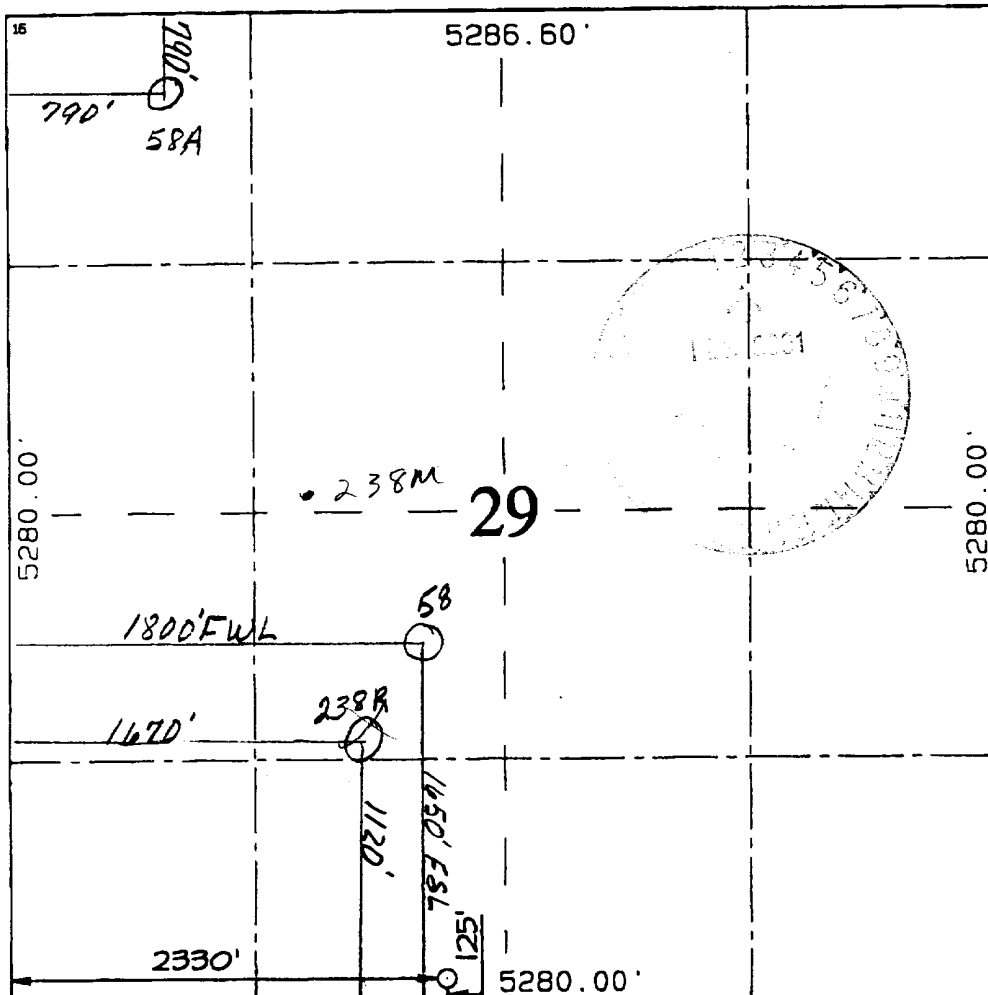
10 Surface Location

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N	29	28N	7W		125	SOUTH	2330	WEST	RIO ARriba

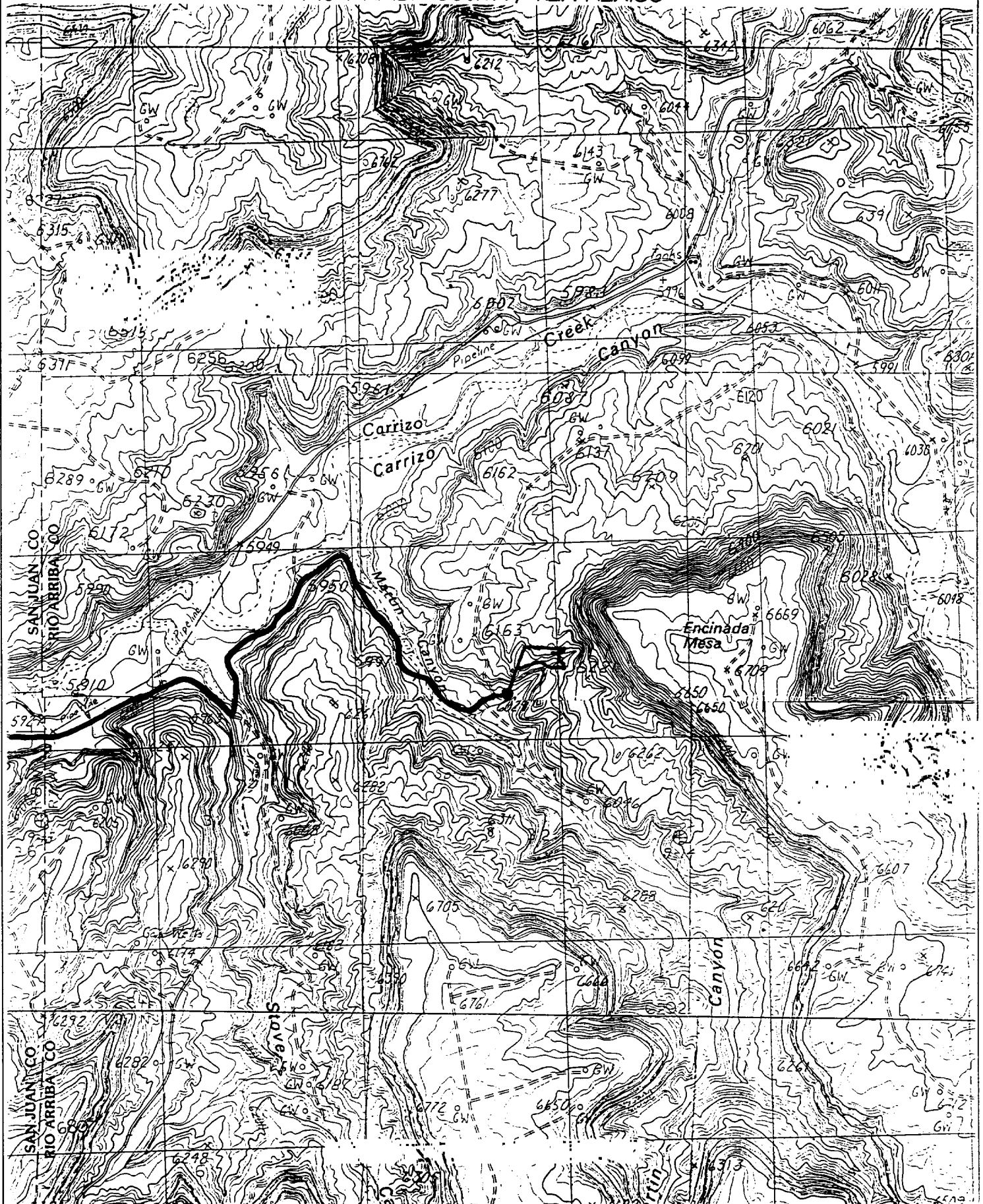
11 Bottom Hole Location If Different From Surface

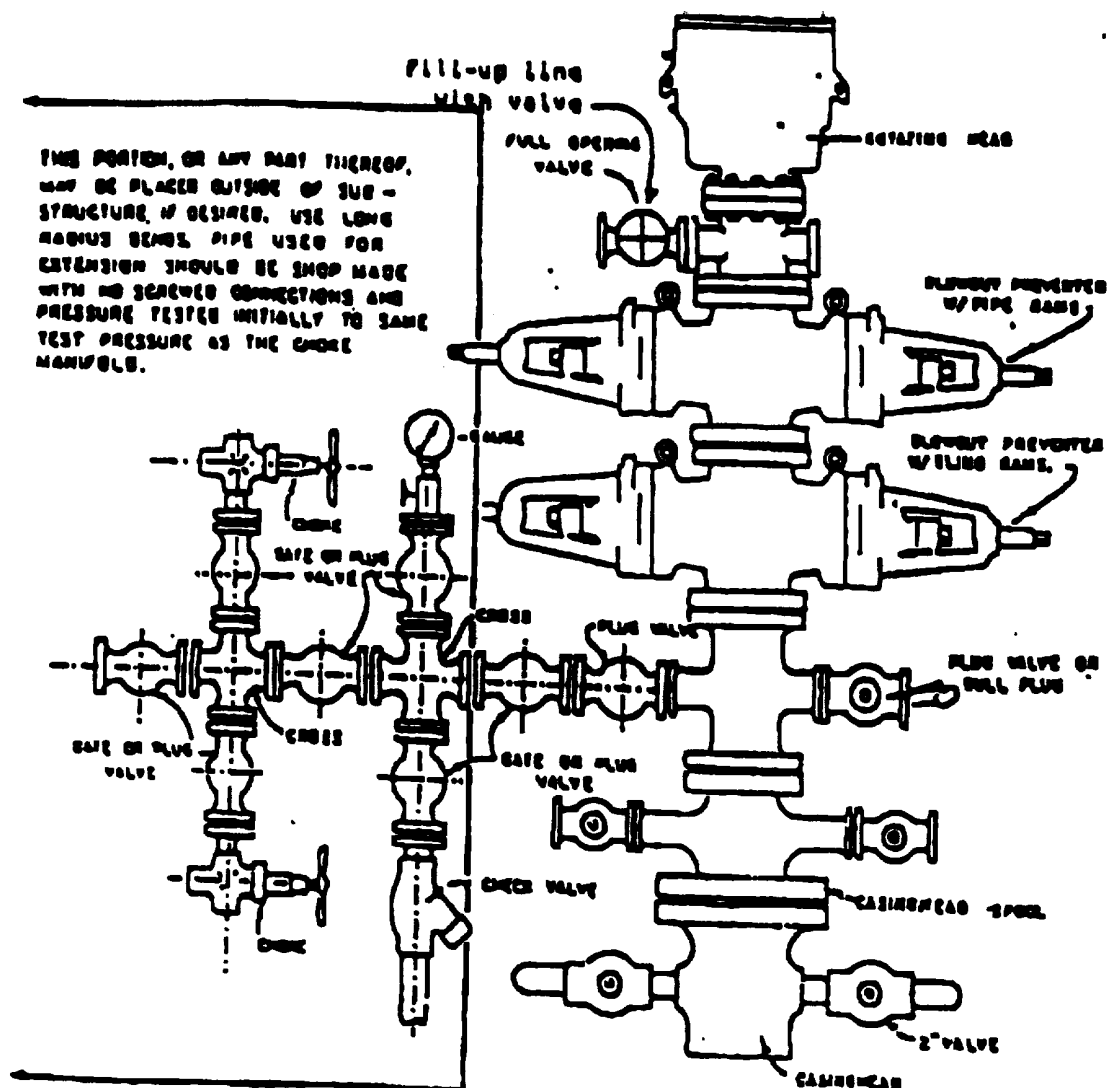
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320					13 Joint or Infill		14 Consolidation Code		15 Order No. NSL has been applied for w/NMOCD.

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>16</p> <p>790'</p> <p>58A</p>
	<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>Mike L. Mankin</i></p> <p>Signature</p> <p>Mike L. Mankin</p> <p>Printed Name</p> <p>Right-Of-Way Agent</p> <p>Title</p> <p>4-19-00</p> <p>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>APRIL 13, 2000</p> <p>Date of Survey</p> <p><i>Neale C. Edwards</i></p> <p>Signature and Seal</p> <p>NEALE C. EDWARDS</p> <p>NEW MEXICO</p> <p>6857</p> <p>Certificate Number 6857</p>

CONOCO, INC. SAN JUAN 28-7 UNIT #238F
125' FSL & 2330' FWL, SECTION 29, T28N, R7W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





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 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

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	Loresco SW Calcined 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 arroyo's 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 <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.