

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer 20, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name RED LAKE (A-GB-5A)
Property Code	Property Name LAGO ROSA "4" FEDERAL	Well Number 5
OGRID No. 000990	Operator Name ARCO PERMIAN	Elevation 3540

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	4	18 S	27 E		1550	SOUTH	1115	WEST	EDDY

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

Dedicated Acres 4.0	Joint or Infill	Consolidation Code	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

LOT 8 39.92 AC.	LOT 7 39.37 AC.	LOT 6 37.70 AC.	LOT 5 37.73 AC.
LOT 9 38.93 AC.	LOT 10 38.43 AC.	LOT 11 37.23 AC.	LOT 12 37.28 AC.
LOT 16 38.85 AC. #14	LOT 15 38.64 AC.	LOT 14 37.82 AC.	LOT 13 37.61 AC.
LOT 17 38.64 AC.	LOT 18 38.43 AC.	LOT 19 38.01 AC.	LOT 20 37.80 AC.

Diagram showing well location and dimensions:
Well location marked with a circle and crosshair.
Dimensions: 3525.4' (horizontal), 3542.1' (vertical), 1115' (horizontal), 3539.6' (horizontal), 3553.8' (horizontal), 1550' (vertical).
NAD27
SPC
NME
X=513965=E
Y=645178=N

OPERATOR CERTIFICATION

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

Elizabeth A. Casbeer
Signature
ELIZABETH A. CASBEER
Printed Name
REG. / COMP. ANALYST
Title
2-3-98
Date

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.

NOVEMBER 14, 1997
Date Surveyed
RONALD J. EIDSON
Signature & Seal of Professional Surveyor
RONALD J. EIDSON
P.O. Num. 97-11-1893
Certificate No. **JOHN W. WEST, 876**
RONALD J. EIDSON, 3239
GARY G. EIDSON, 12641

EXHIBIT 1

DRILLING OPERATIONS

CLASS -1: NORMAL PRESSURE < 10PPG

OPTION - 2: MMS STANDARD; SINGLE SIZE DRILL STRING

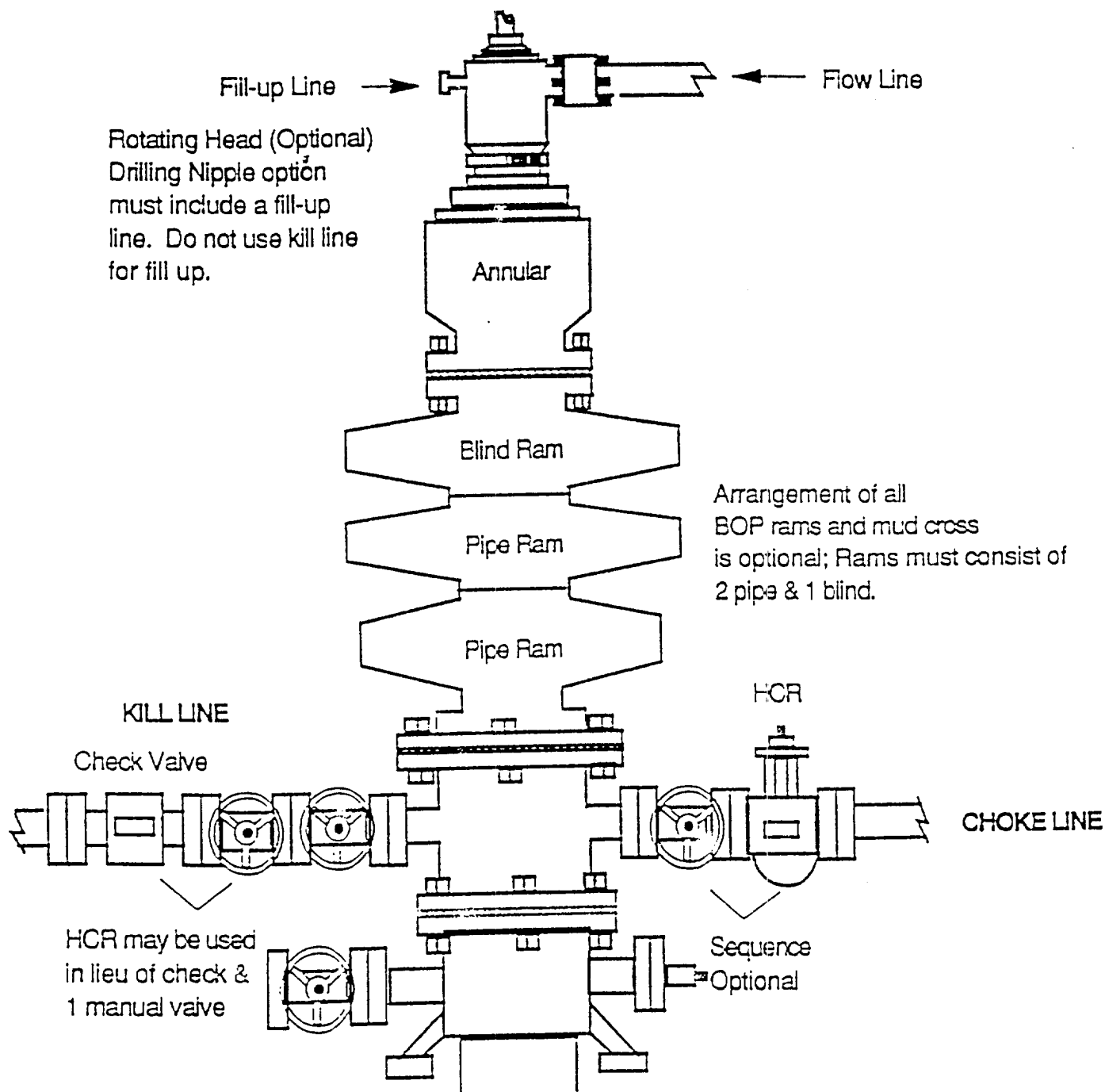


EXHIBIT 2

DRILLING OPERAT.
CHOKE MANIFOLD
2M AND 3M SERVICE

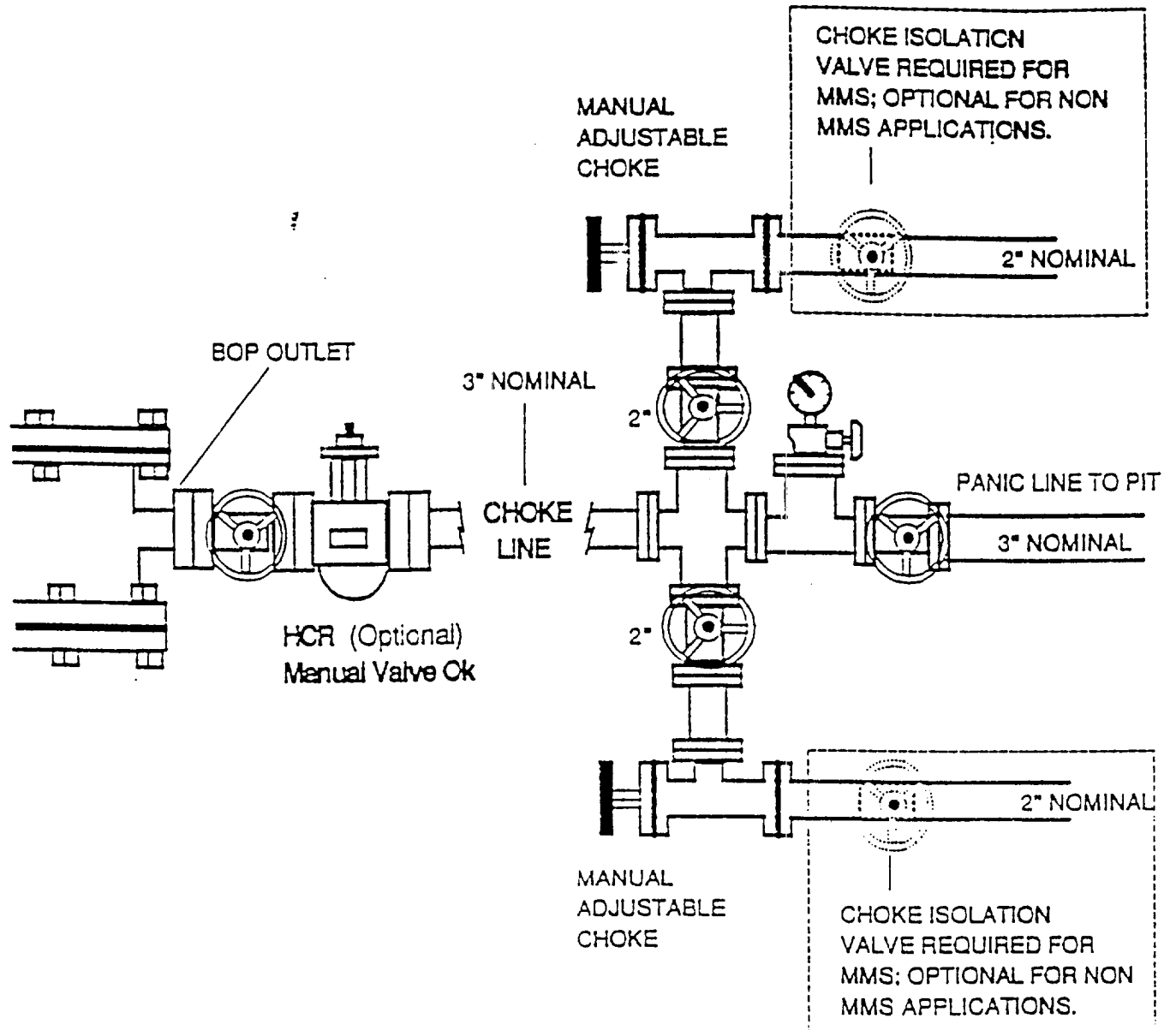


EXHIBIT 2

BLOWOUT PREVENTION EQUIPMENT SPECIFICATIONS

1. All BOP equipment shall be fluid and/or mechanically operated.
2. BOP's and all fittings will be in good working condition.
3. Equipment through which the bit must pass shall be at least as large as the casing size being drilled.
4. The nipple above the BOP shall be at least the same size as the last casing set.
5. The upper kelly cock with handle and lower kelly cock shall be rated at the BOP working pressure.
6. A floor safety valve (full opening) or drill string BOP with appropriate pressure ratings shall be available on the rig floor with connections or subs to fit any tool joint in the string.
7. The minimum size choke line shall be 3 inches nominal diameter, with a minimum size for vent lines downstream of chokes of 2 inches nominal, and vent lines which by-pass shall be a minimum of 3 inches nominal and as straight as possible.
8. All valves, fittings and lines between the closing unit and the blowout preventer stack should be of steel construction with rated working pressure at least equal to working pressure rating of the stack. Lines shall be bundled and protected from damage.
9. Minimum size for kill line is 2 inches nominal.
10. Ram type preventers shall be equipped with extension hand wheels or hydraulic locks.



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87506
(800) 827-7131

April 6, 1998

RECEIVED

ARCO Permian
P. O. Box 1610
Midland, Texas 79702-1610
Attention: Elizabeth A. Casbeer

Post-It® Fax Note	7671	Date	4/29/98	# of pages	4
To	Carmen	From	Dave Pearcy		
Co./Dept.	OCN	Co.	ARCO		
Phone #		Phone #	915-688-5355		
Fax #	505-748-9720	Fax #			

Administrative Order NSL-3989(SD)

Dear Ms. Casbeer:

Reference is made to the following: (i) ARCO Permian's original application to the Division, dated February 4, 1998; (ii) the Division's initial response to said application by letter from Mr. Michael E. Stogner dated March 11, 1998; (iii) ARCO Permian's response by Mr. Dave Pearcy on March 20, 1998; and (vi) the records of the Division in Santa Fe: all concerning ARCO Permian's request for an unorthodox oil well location in the Red Lake Queen-Grayburg-San Andres Pool for the proposed Lago Rosa "4" Federal Well No. 5 to be drilled 1550 feet from the South line and 1115 feet from the West line (Lot 16/Unit L) of Section 4, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico. Lot 16 of said Section 4 is to be dedicated to said well in order to form a standard 38.85-acre oil spacing and proration unit for said pool.

The subject application has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox oil well location is hereby approved.

Sincerely,


Lori Wrotenberg
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad

Lago Rosa 4#5