

N. M. Oil Cons. Division
811 S. 1ST ST. SUBMIT IN TRI. ATE*
UNITED STATES NM 88210-2834
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

ARCO Permian

990

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1610, Midland, TX 79702

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

330' FNL, 1550' FWL
At proposed prod. zone

SAME

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

9 MILES SE OF ARTESIA

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

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

1000'

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

3575'

23.

PROPOSED CASING AND CEMENT

ROSWELL CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" J-55	24	1150' 1100' P.R.H.	1000' 1000' P.R.H.
7-7/8"	5-1/2" K-55	15.5#	3800	1300 FT ³

SUBJECT WELL IS PLANNED AS A 3800' STRAIGHT HOLE.
3,000 PSI BOPE WILL BE USED FROM 1100' TO TD.
1150'

ATTACHMENTS ARE AS FOLLOWS:

1. CERTIFIED LOCATION PLAT
2. DRILLING PLAN WITH ATTACHMENTS
3. SURFACE USE PLAN WITH ATTACHMENTS

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Posted ID-1
NL & HRF
4-10-98

RECEIVED

FEB 17 '98

**BLM
ROSWELL, NM**

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.

24.

SIGNED

Elizabet H. Casden

TITLE

REGULATORY COMPLIANCE

DATE

2/4/98

(This space for Federal or State office use)

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:

(ORIG. SGD.) **ARMANDO A. LOPEZ**

APPROVED BY

TITLE

Acting

ADM. MINERALS

DATE

3-12-98

*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.

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 DD, Artesia, NM 88211-0719

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name <u>RED LAKE (Q-GB-SA)</u>
Property Code	Property Name <u>WEST RED LAKE "4" FEDERAL</u>	Well Number <u>2</u>
OGRID No. <u>000990</u>	Operator Name <u>ARCO PERMIAN</u>	Elevation <u>3552</u>

Surface Location

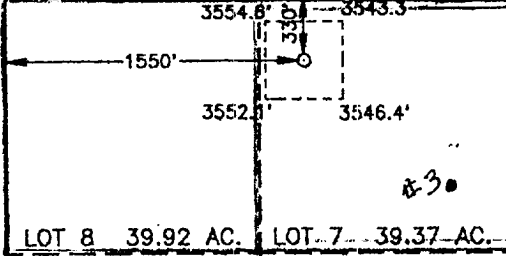
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<u>7</u>	<u>4</u>	<u>18 S</u>	<u>27 E</u>		<u>330</u>	<u>NORTH</u>	<u>1550</u>	<u>WEST</u>	<u>EDDY</u>

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 <u>40</u>	Joint or Infill	Consolidation Code	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

		NAD2/ SPC NME X=514362=E Y=648386=N	
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.	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.

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

2/4/98
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 _____ JLP

Signature & Seal of Professional Surveyor
David J. Eidson
PROF. SURV. NEW MEXICO
SWO. Num. 97-11891

Certificate No. _____ JOHN S. WEST, 876
BOB J. EIDSON, 3238
G. EIDSON, 12641

EXHIBIT 1

DRILLING OPERATIONS

CLASS -1: NORMAL PRESSURE < 10PPG

OPTION - 2: MMS STANDARD; SINGLE SIZE DRILL STRING

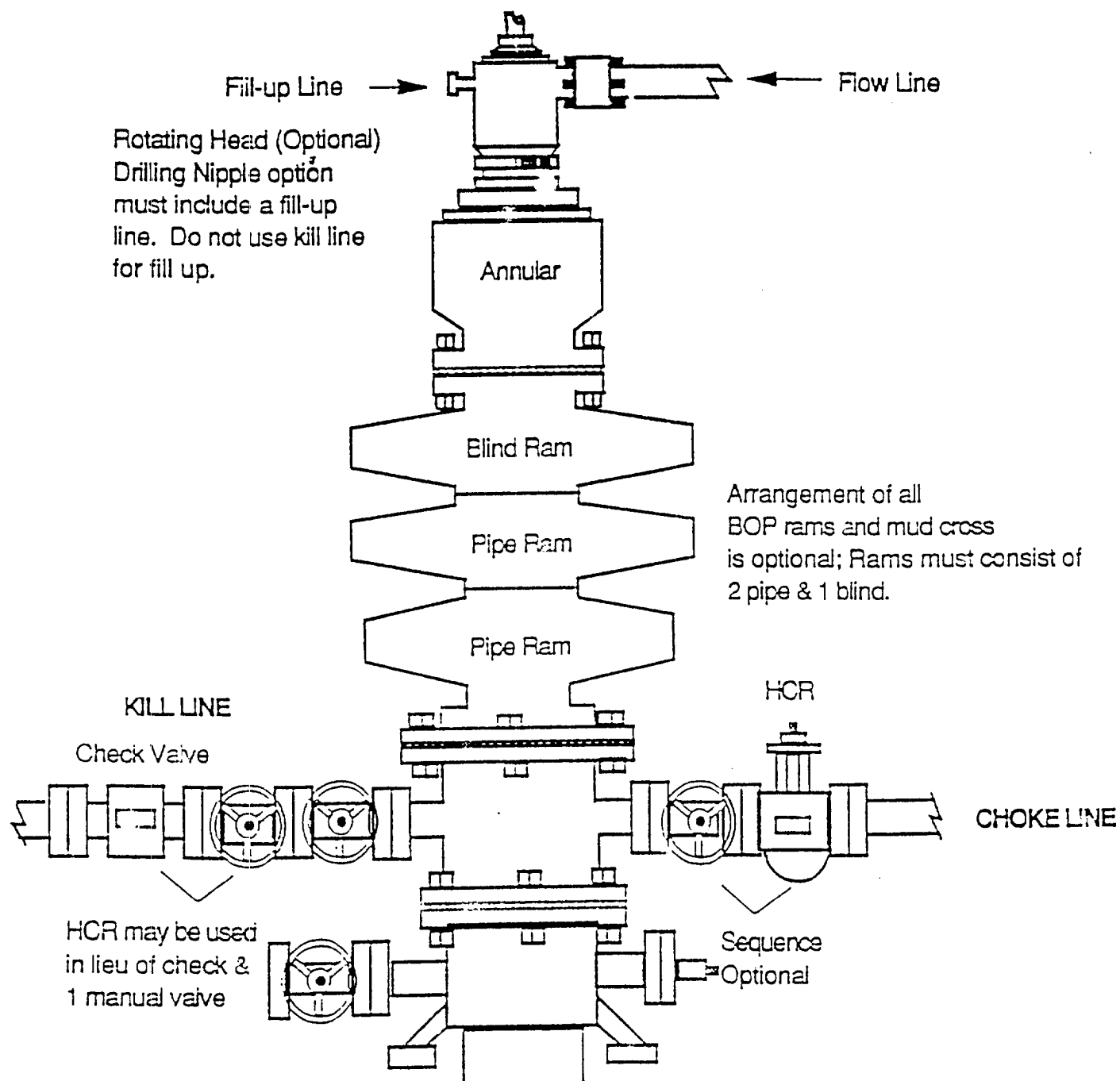
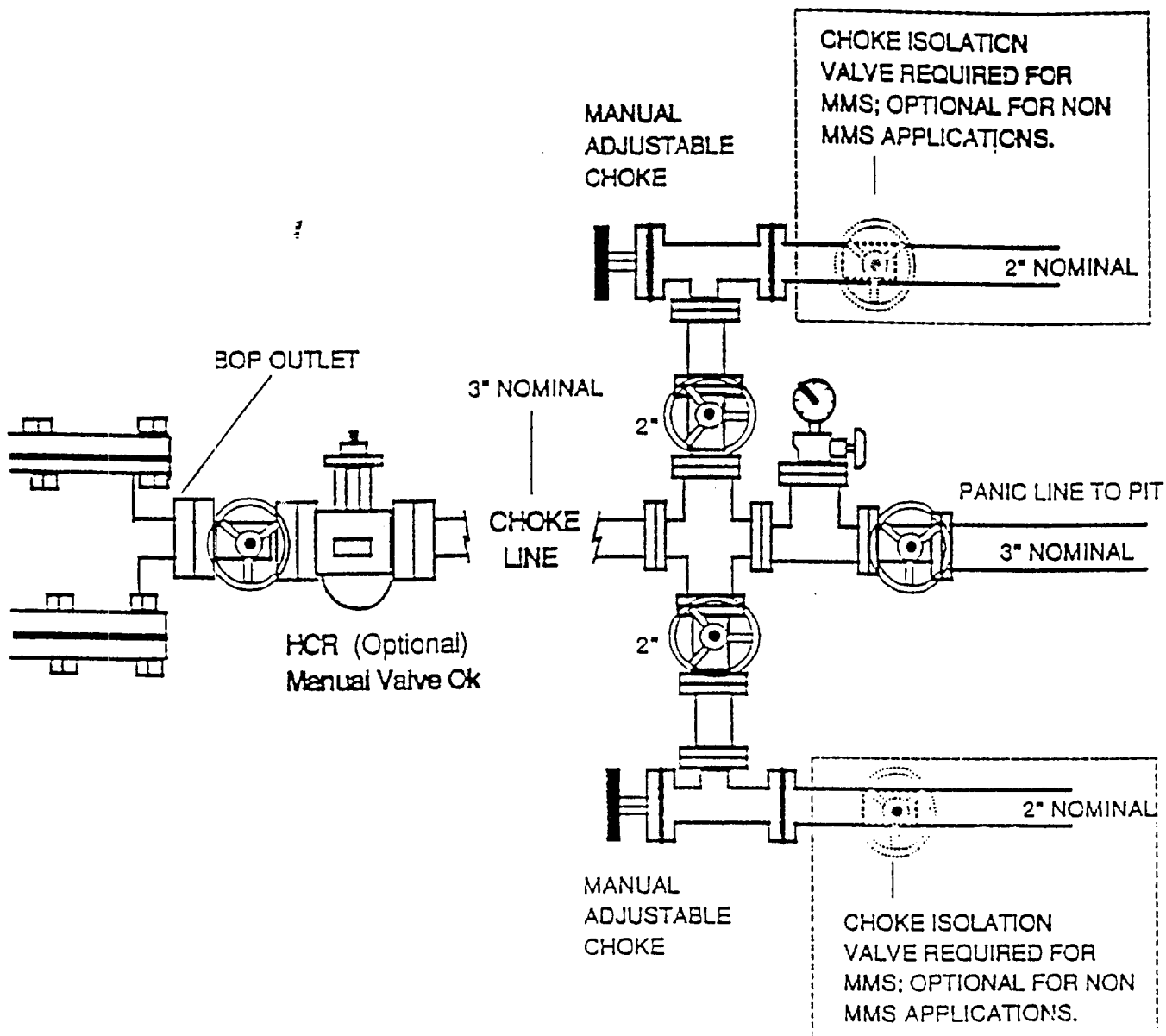


EXHIBIT 2

DRILLING OPERATIONS
CHOKE MANIFOLD
2M AND 3M SERVICE



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.