

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

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

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised October 18, 1994

Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88210		<sup>2</sup> OGRID Number 014049
		<sup>3</sup> API Number 30 - 015-32070
<sup>4</sup> Property Code 28636	<sup>5</sup> Property Name BPO STATE COM	<sup>6</sup> Well No. 2

<sup>7</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
L	2	18S	27E		1650	SOUTH	990	WEST	EDDY

<sup>8</sup>Proposed 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
<sup>9</sup> Proposed Pool 1 UNDES. SCOGGIN DRAW; MORROW					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3520
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 10300	<sup>18</sup> Formation MORROW	<sup>19</sup> Contractor MCVAY #4	<sup>20</sup> Spud Date 11-15-01

<sup>21</sup>Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48# H40	325'	300 SX	SURFACE
12 1/4"	9 5/8"	36# K55	1700'	800 SX	SURFACE
8 3/4"	5 1/2"	17# S95	10300'	1250 SX	TIE IN TO INTERMEDIATE

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

PLAN TO DRILL 17 1/2" HOLE TO APPROXIMATELY 325', SET 13 3/8" CASING & CIRCULATE CEMENT TO SURFACE. DRILL 12 1/4" HOLE TO 1700', SET 9 5/8" CASING & CIRCULATE CEMENT TO SURFACE. DRILL 8 3/4" HOLE TO APPROXIMATELY 10300' (TD). RUN OH LOGS. RUN 5 1/2" CASING, TIE IN CEMENT, PERF THE MORROW FORMATION & STIMULATE AS NECESSARY FOR OPTIMUM PRODUCTION.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: DIANA J. CANNON

Title: PRODUCTION ANALYST

Date: 10-23-01

Phone: 505-748-3303

Approved By:

Title:

Approval Date:

Conditions of Approval Attached: ☐

OIL CONSERVATION DIVISION

*Jim W. Beam*

APPROVED FOR DISTRICT II

APR 24 2002

OCT 25 2002

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

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

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name	
			UNDES. SCOGGIN DRAW; MORROW	
Property Code	Property Name		Well Number	
28636	BPO STATE COM		2	
OGRID No.	Operator Name		Elevation	
14049	MARBOB ENERGY CORPORATION		3520'	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	2	18-S	27-E		1650	SOUTH	990	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		Joint or Infill		Consolidation Code		Order No.			
320									

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 4	LOT 3	LOT 2	LOT 1
BPO STATE COM			
39.59 AC	39.53 AC	39.44 AC	39.38 AC
GEODETIC COORDINATE SPC NME NAD 1927 Y=645173.1 X=524380.1 LAT. 32°46'25.13"N LONG. 104°15'14.44"W			
990'			
1650'			

**OPERATOR CERTIFICATION**

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

*Diana J. Cannon*  
Signature

DIANA J. CANNON  
Printed Name

PRODUCTION ANALYST  
Title

OCTOBER 23, 2001  
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.

OCTOBER 15, 2001

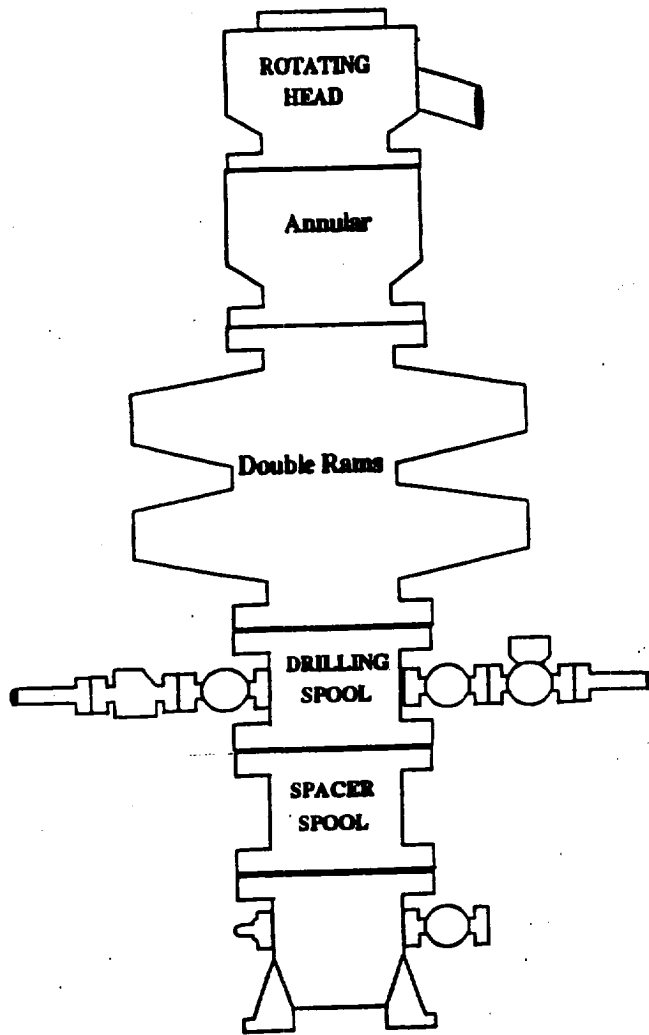
Date Surveyed

Signature & Seal of Professional Surveyor

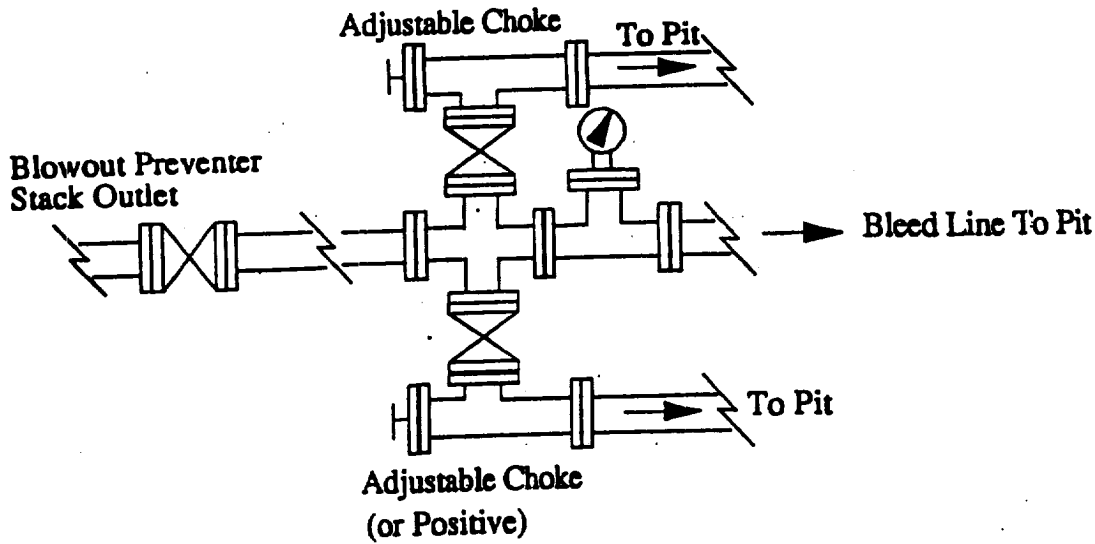
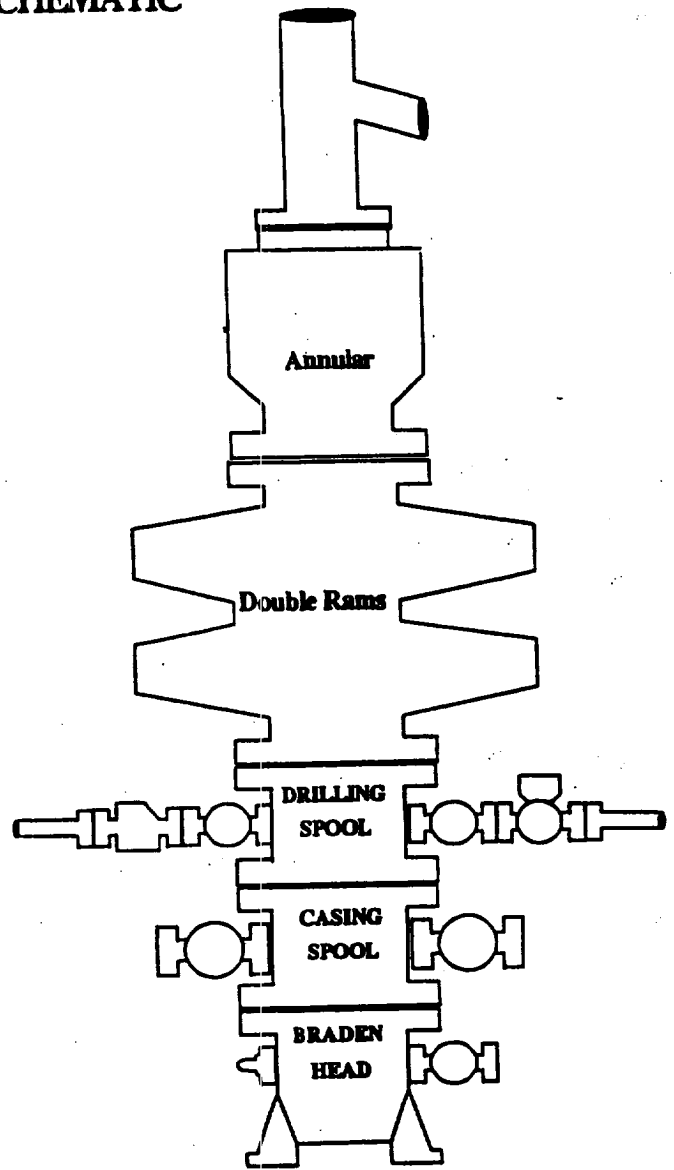
*Ronald J. Eidson* 10/17/01  
01.11.1132

Certificate No. RONALD J. EIDSON 3239  
GARY EIDSON 12641

# BOPE SCHEMATIC

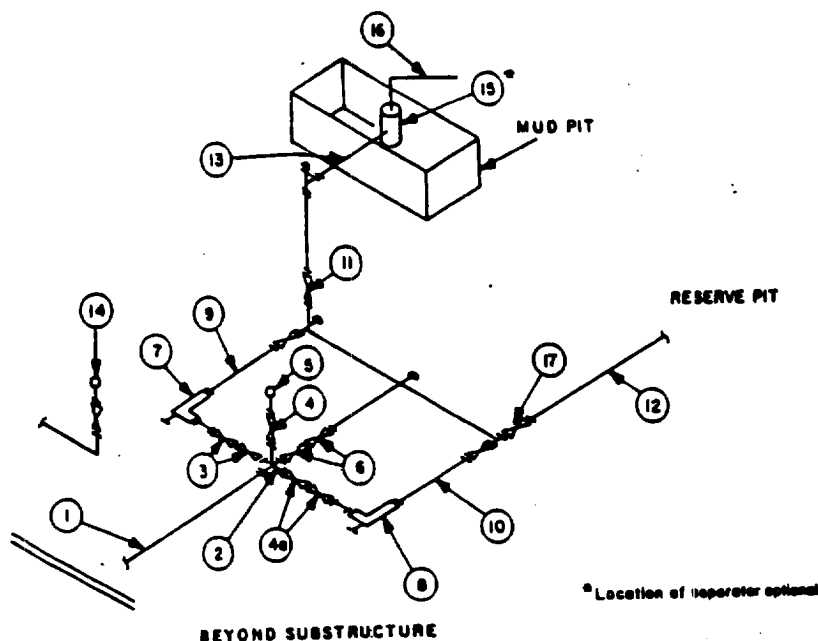


**Choke Manifold**



**MINIMUM CHOKE MANIFOLD**  
3,000, 5,000 and 10,000 PSI Working Pressure

**3 MWP - 5 MWP - 10 MWP**



MINIMUM REQUIREMENTS										
No.		3,000 MWP			5,000 MWP			10,000 MWP		
		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spool		3"	3,000		3"	5,000		3"	10,000
2	Cross 3"x3"x3"x2"			3,000			5,000			10,000
	Cross 3"x3"x3"x3"									
3	Valves(1) Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
4	Valve Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	1-13/16"		3,000	1-13/16"		5,000	1-13/16"		10,000
4a	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8"		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valves Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
7	Adjustable Choke(3)	2"		3,000	2"		5,000	2"		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5,000		3"	10,000
11	Valves Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
12	Lines		3"	1,000		3"	1,000		3"	2,000
13	Lines		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000			10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
			4"	1,000		4"	1,000		4"	2,000
16	Line									
17	Valves Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000

(1) Only one required in Class 3M.

(2) Gate valves only shall be used for Class 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

**EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS**

- All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- All lines shall be securely anchored.
- Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.