

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-101  
Revised March 17, 1999

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. 1st Street, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address <b>ORX USA Inc.</b> <b>P.O. Box 50250 Midland, TX 79710-0250</b>		<sup>2</sup> OGRID Number <b>16696</b>
<sup>4</sup> Property Code <b>27111</b>	<sup>5</sup> Property Name <b>Bravo Dome Carbon Dioxide Gas Unit 1934</b>	<sup>3</sup> API Number <b>30- 059- 20382</b> <sup>6</sup> Well No. <b>092</b>

<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
<b>C</b>	<b>9</b>	<b>19N</b>	<b>34E</b>		<b>173</b>	<b>north</b>	<b>2291</b>	<b>west</b>	<b>Union</b>

<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 <b>Bravo Dome Carbon Dioxide Gas 640</b>		<sup>10</sup> Proposed Pool 2 <b>96010</b>
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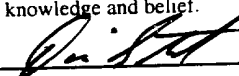
<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>C</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>4835.8'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>2600'</b>	<sup>18</sup> Formation <b>Tubb</b>	<sup>19</sup> Contractor <b>N/A</b>	<sup>20</sup> Spud Date <b>8/1/02</b>

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12-1/4"</b>	<b>8-5/8"</b>	<b>24#</b>	<b>700'</b>	<b>300sx</b>	<b>Surface</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>5.9#FG/15.5#</b>	<b>2600'</b>	<b>300sx</b>	<b>Surface</b>

<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.

SEE OTHER SIDE

<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: **David Stewart**

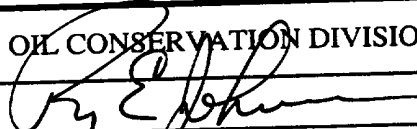
Title: **Sr. Regulatory Analyst**

Date: **7/18/02**

Phone:

**915-685-5717**

OIL CONSERVATION DIVISION

Approved by: 

Title: **DISTRICT SUPERVISOR**

Approval Date: **7/18/02**

Expiration Date: **7/18/03**

Conditions of Approval:

Attached ☐

ATTACHMENT C-101  
BDCDGV 1934 - 092

PROPOSED TD: 2600' TVD

BOP PROGRAM: 0-700' None

700-2600' 8" 3M blind & pipe ram with stripper head.

CASING: Surface: 8-5/8" OD 24# J55 8rd ST&C new casing set at 700'  
12-1/4" hole  
Centralizers from TD-Surf, every fourth joint  
Production: 5-1/2" OD new casing from 0-2600'  
300'-15.5# J55 8rd LTC 2300'-5.9# 10rd FG  
7-7/8" hole - 5 centralizers

\*This well will have fiberglass casing from surface to the productive interval (Tubb). Steel casing will be used across the Tubb. The fiberglass casing must penetrate the Cimarron at a minimum. The optimum point for setting the fiberglass casing is at the midpoint of the Cimarron formation.

CEMENT: Surface - Circulate cement with 300sx Premium Plus with 2%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-14.8ppg, Yld-1.34cf/sx, FW-6.3g/sx)

Production - Cement with 150sx Premium Plus with 3%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-11.1ppg, Yld-3.27cf/sx, FW-20.47g/sx) followed by 150sx Premium Plus with 3%  $\text{CaCl}_2$  + .25#/sx Poly E Flake, (WT-13.2ppg, Yld-1.86cf/sx, FW-9.93g/sx)

MUD: 0-700' Fresh water/native mud.  
Wt 8.6-9.2ppg, Vis 32-36sec

700-2600' Fresh water/Starch/Gel  
pH control as needed.  
Wt 9.0-9.2ppg, Vis 28-29sec

ESTIMATED FORMATION TOPS:

Tubb- 2231 ' Cimarron- 2212 ' San Andres- 1446 ' Santa Rosa- 1159 '



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State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code 96010	<sup>3</sup> Pool Name BRAVO DOME CARBON DIOXIDE GAS (640)
<sup>4</sup> Property Code 27111	<sup>5</sup> Property Name BRAVO DOME CARBON DIOXIDE GAS UNIT 1934		<sup>6</sup> Well Number 092
<sup>7</sup> OGRID No. 16696	<sup>8</sup> Operator Name OXY USA INC.		<sup>9</sup> Elevation 4885.8

<sup>10</sup> Surface Location

UL or lot no. C	Section 9	Township 19 N	Range 34 E	Lot Idn.	Feet from the 173'	North/South line NORTH	Feet from the 2281'	East/West line WEST	County UNION
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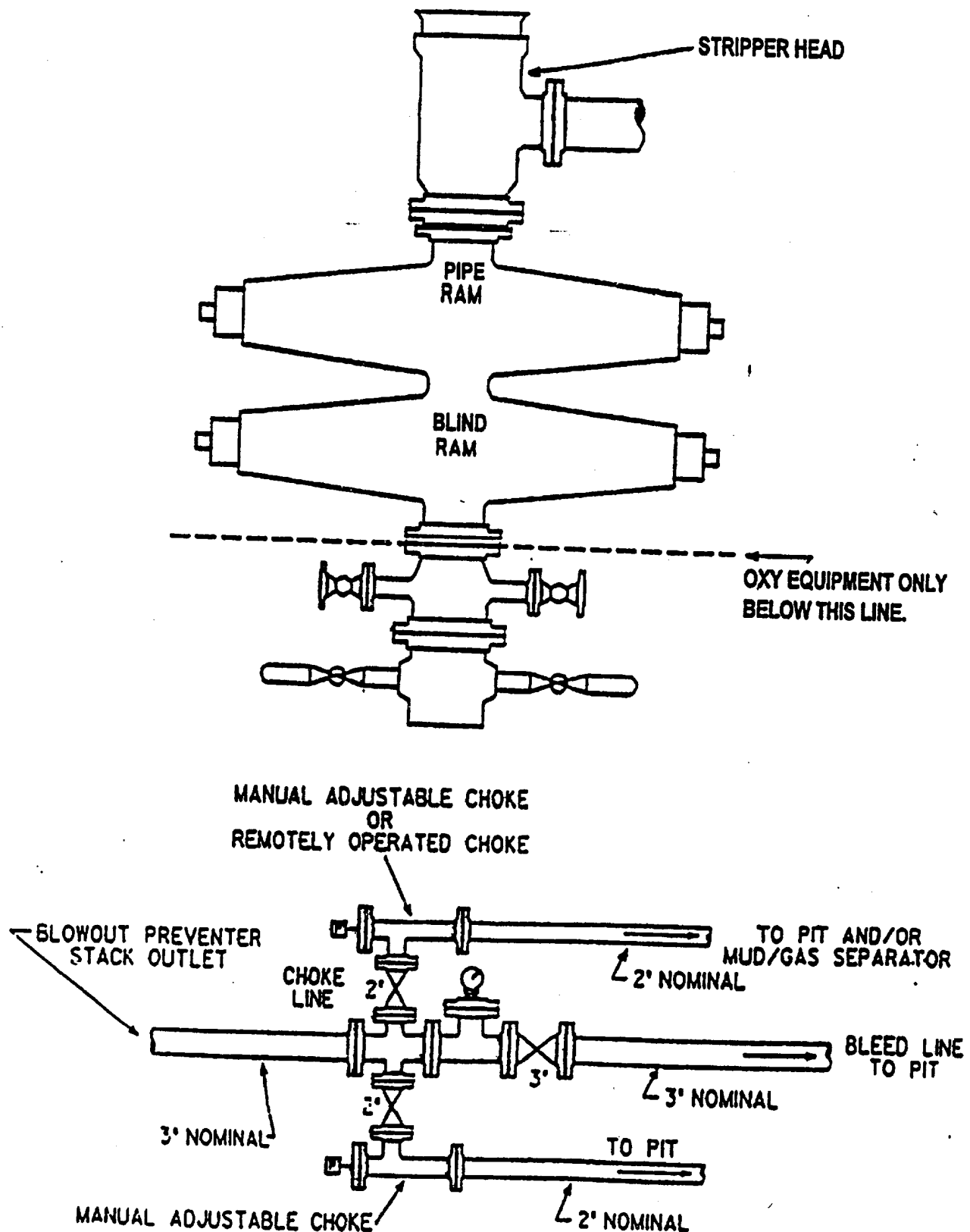
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill 1	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <i>David Stewart</i> Printed Name: David Stewart Title: Sr. Regulatory Analyst Date: 7/1/02
	<sup>18</sup> 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.  Date of Survey: June 3, 2002 Signature and Seal of Professional Surveyor: <i>Jesse M. Martin</i> Jesse M. Martin Certificate Number: 7911

# 3000 psi WORKING PRESSURE BOP



NOTE: ADEQUATE SUBSTRUCTURE REQUIRED TO ACCOMMODATE ROTATING HEAD, BAGS, RAMS, ETC.