

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

2008 APR 3 PM 1 53

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

<sup>1</sup> Operator Name and Address OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250		<sup>2</sup> OGRID Number 16696
<sup>4</sup> Property Code 27111	<sup>5</sup> Property Name Bravo Dome Carbon Dioxide Gas Unit 2032	<sup>3</sup> API Number 30- 021- 20468
<sup>9</sup> Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640 96010		<sup>6</sup> Well No. 311
<sup>10</sup> Proposed Pool 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
J	31	20 N	32E		1700	South	1700	East	Harding

<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

Additional Well Location

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code C	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 4738.8'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 2600'	<sup>18</sup> Formation Tubb	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date
Depth to ground water >100'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 4000 bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/>		Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	+/-750'	400sx	Surface
7-7/8"	5-1/2"	5.9#FG/15.5#	+/-2600'	550sx	Surface

<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 Attachment

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines  a general permit , or an (attached) alternative OCD-approved plan .  
Signature: *David Stewart*

OIL CONSERVATION DIVISION

Approved by:

*Ed Martin*

Title:

DISTRICT SUPERVISOR

Printed name: David Stewart

Title: Sr. Regulatory Analyst

Approval Date:

4/4/08

Expiration Date: 4/4/10

E-mail Address: david.stewart@oxy.com

Date: 3/28/08

Phone: 432-685-5717

Conditions of Approval:

Attached

District I  
1625 N. French Dr., Hobbs, NM 88240

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-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

API Number <b>30-021-20468</b>	Pool Code <b>96010</b>	Pool Name <b>BRAVO DOME CARBON DIOXIDE GAS 640</b>
Property Code <b>27111</b>	Property Name <b>BRAVO DOME CARBON DIOXIDE GAS UNIT 2032</b>	Well Number <b>311</b>
OGRID No. <b>16696</b>	Operator Name <b>OXY USA INC.</b>	Elevation <b>4738.8</b>

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>J</b>	<b>31</b>	<b>20 N</b>	<b>32 E</b>		<b>1700'</b>	<b>SOUTH</b>	<b>1700'</b>	<b>EAST</b>	<b>HARDING</b>

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.
<b>640</b>	<b>N</b>		

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>31</p>	<p><b>OPERATOR CERTIFICATION</b></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>David Stewart</i></p> <p>Signature</p> <p><b>David Stewart</b></p> <p>Printed Name</p> <p><b>Sr. Regulatory Analyst</b></p> <p>Title</p> <p><b>3/28/08</b></p> <p>Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></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><b>December 17, 2007</b></p> <p>Date of Survey</p> <p><i>Terry Abel</i></p> <p>Signature and Seal of Professional Surveyor</p> <p><b>15079</b></p> <p>Certificate Number <b>15079</b></p>

Bravo Dome CO2 wells - 2008

CASING:

MD (ft)	Hole Size (in)	Csg Size (in)	Wt (lb/ft)	Grd	Cplg
0 - ±750	12-1/4	8-5/8	24	J55	STC
0 - ± 2440	7-7/8	5-1/2 FG	5.9	FG	10 Rd
2440 - ± 2600	7-7/8	5-1/2 Steel	15.5	J55	LTC

CEMENT:

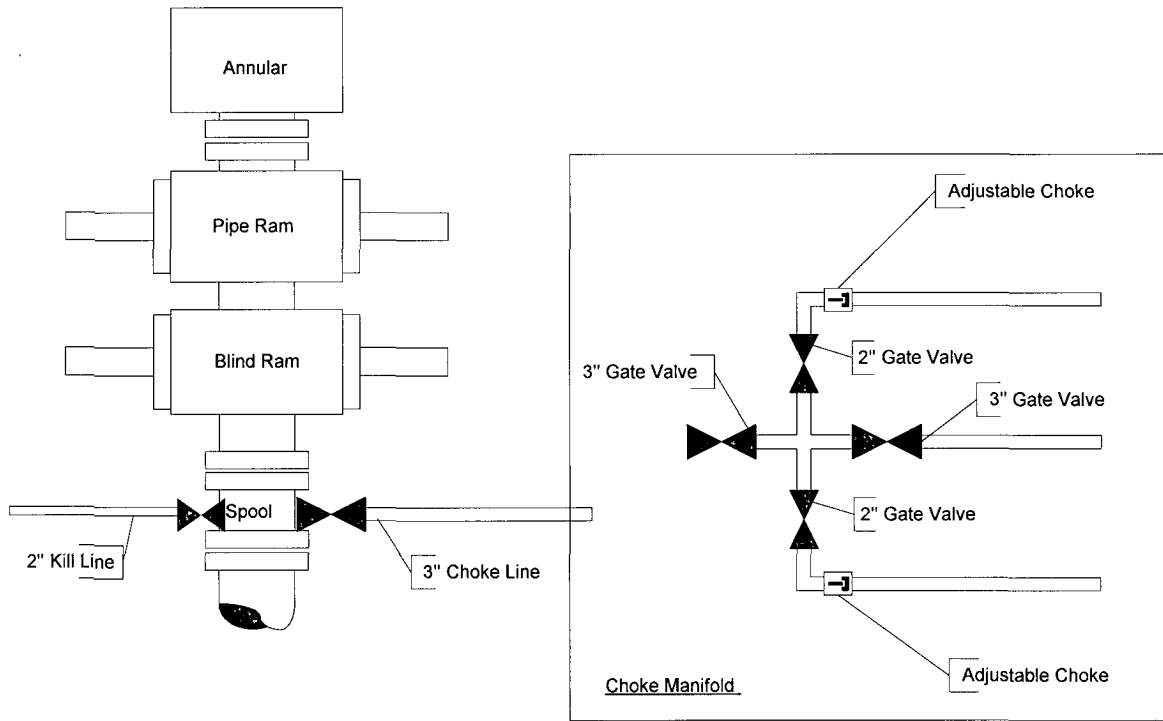
Surface:

Cement Design							
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)		Slurry Volume (Bbls)	Cement Required (sx.)	Comment
Lead	14.8	Surface	750		96	400	TOC ±surface
Lead Slurry							
Premium Plus CaCl Poly E Flake Slurry Yield Mix Water Mix Water Source						400 sx 2% 0.125 lb/sx 1.35 cfs 6.3 gal/sx Freshwater	

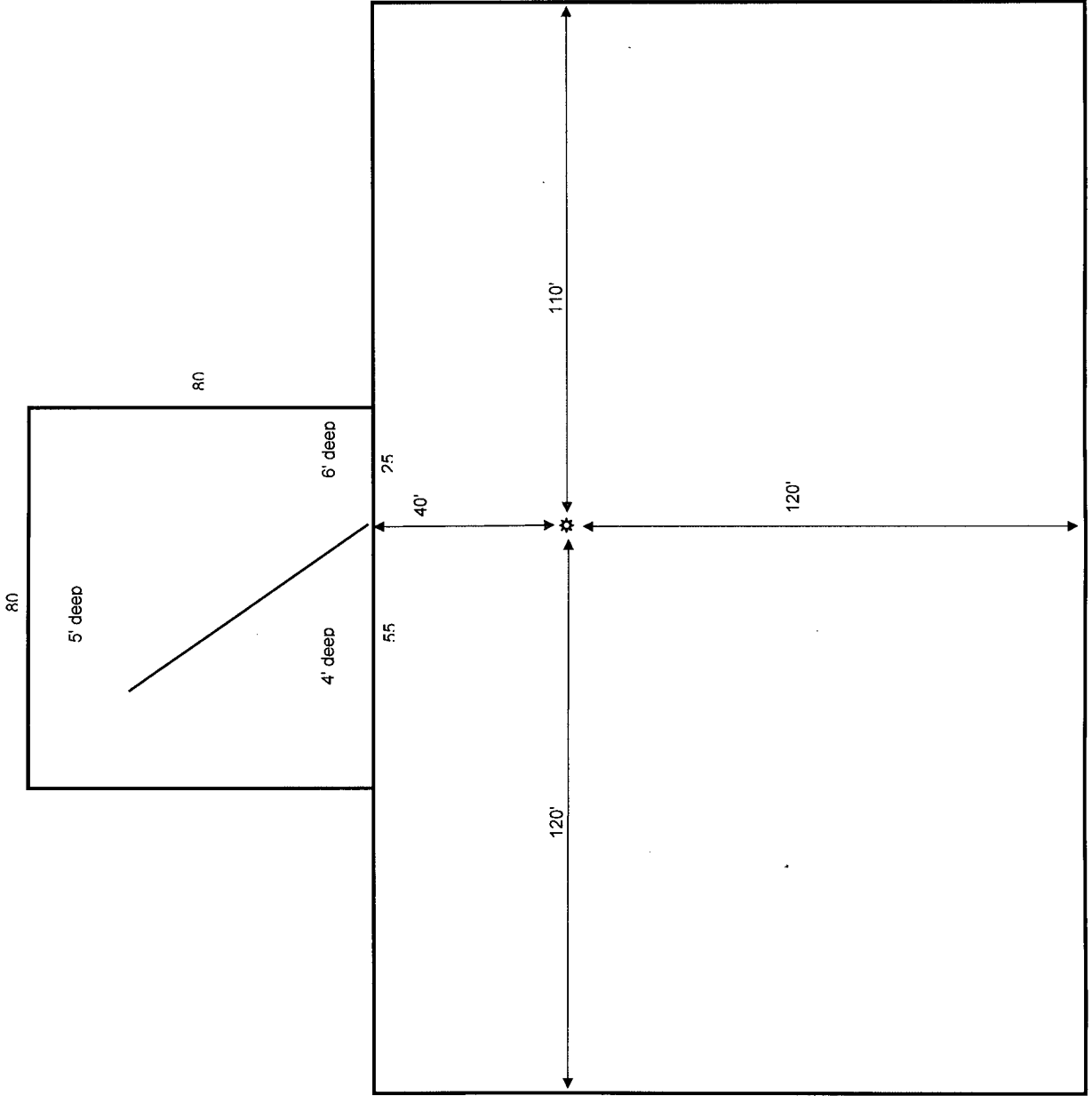
Production:

Cement Design							
Slurry	Weight (ppg)	TOC (feet)	BOC (feet)		Slurry Volume (Bbls)	Cement Required (sx.)	Comment
Lead	11.1	0	±1830		233	400	TOC to Surface
Tail	13.2	±1830	2600		50	150	TOC ±600' above Cimarron
Lead Slurry				Tail Slurry			
Premium Plus CaCl Poly E Flake Slurry Yield Mix Water Mix Water Source		400 sx 3% 0.125 lb/sx 3.28 cfs 20.56 gal/sk Freshwater		Premium Plus CaCl Poly E Flake Slurry Yield Mix Water Mix Water Source		150 sx 3% 0.125 lb/sx 1.86 cfs 9.99 gal/sk Freshwater	

# 9" BOP - 3000psi



Bravo Dome Unit  
Location and Pit Design  
Cheyenne Rig 8



**Bravo Dome Unit  
Cellar and Sump Pit  
Cheyenne Rig 8**

