

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Submit to appropriate District Office

RECEIVED
Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505
2008 JUN 18 PM 1:51

☒ AMENDED REPORT

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

¹ Operator Name and Address OXY USA WTP Limited Partnership, Inc. P.O. Box 50250 Midland, TX 79710-0250		² OGRID Number 192463 16696
⁴ Property Code 27111	⁵ Property Name Bravo Dome Carbon Dioxide Gas Unit 2032	³ API Number 30- 021-20468
⁹ Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 640 96010		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	31	20N	32E		1700	south	1900	west	Harding

⁸ 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

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4738.8'
¹⁶ Multiple No	¹⁷ Proposed Depth 2600'	¹⁸ Formation Tubb	¹⁹ Contractor N/A	²⁰ Spud Date 7/1/08
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"/>				

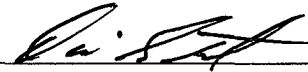
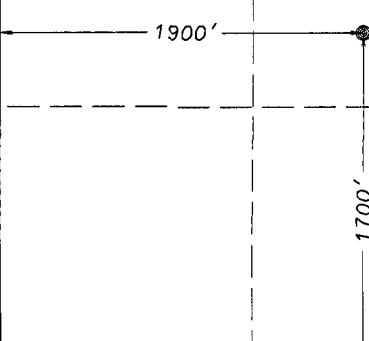
²¹ Proposed Casing and Cement Program

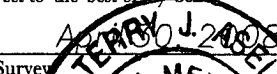
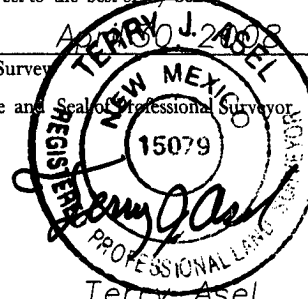
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	+/- 750'	400sx	Surface
7-7/8"	5-1/2"	5.9#FG/15.5#	+/- 2600'	550sx	Surface

²² 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.

This well was originally stake @ 1700 FSL 1700 FEL Unit J, due to surface problems
OXY proposes to move the well to 1700 FSL 1900 FWL Unit K.

²³ 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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Signature: <i>David Stewart</i>	OIL CONSERVATION DIVISION	
Printed name: David Stewart	Approved by: <i>Ed Martin</i>	
Title: Sr. Regulatory Analyst	Title: DISTRICT SUPERVISOR	
E-mail Address: david_stewart@oxy.com	Approval Date: 6/23/08	Expiration Date: 6/23/10
Date: 6/13/08	Phone: 432-685-5717	Conditions of Approval: Attached <input type="checkbox"/>

31		<div style="text-align: center;"><h2>OPERATOR CERTIFICATION</h2><p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p><div style="text-align: right;"> _____ Signature</div><div style="text-align: right;">David Stewart _____ Printed Name</div><div style="text-align: right;">Sr. Regulatory Analyst _____ Title</div><div style="text-align: right;">6/13/08 _____ Date</div></div>
	<div style="text-align: right;"><p>NM-E NAD27 Lat - 35° 55' 06.66" Lon - 103° 34' 54.03" X - 722565.52 Y - 1790423.75</p></div> <div style="text-align: center;"></div>	

<div style="text-align: center;"><h2>SURVEYOR CERTIFICATION</h2><p><i>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.</i></p><div style="text-align: right;"> _____ Date of Survey</div><div style="text-align: right;">Signature and Seal of Professional Surveyor  _____ Terry Asel</div></div>	<div style="text-align: center;">Certificate Number 15079</div>
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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:

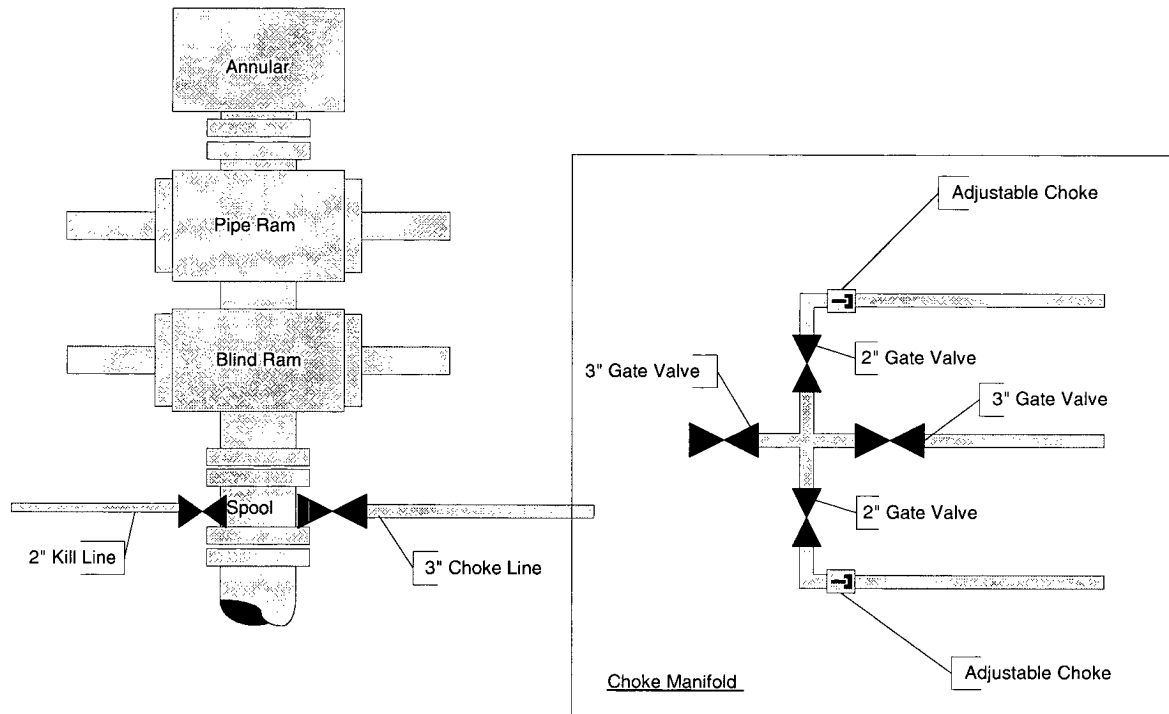
Surface:

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						

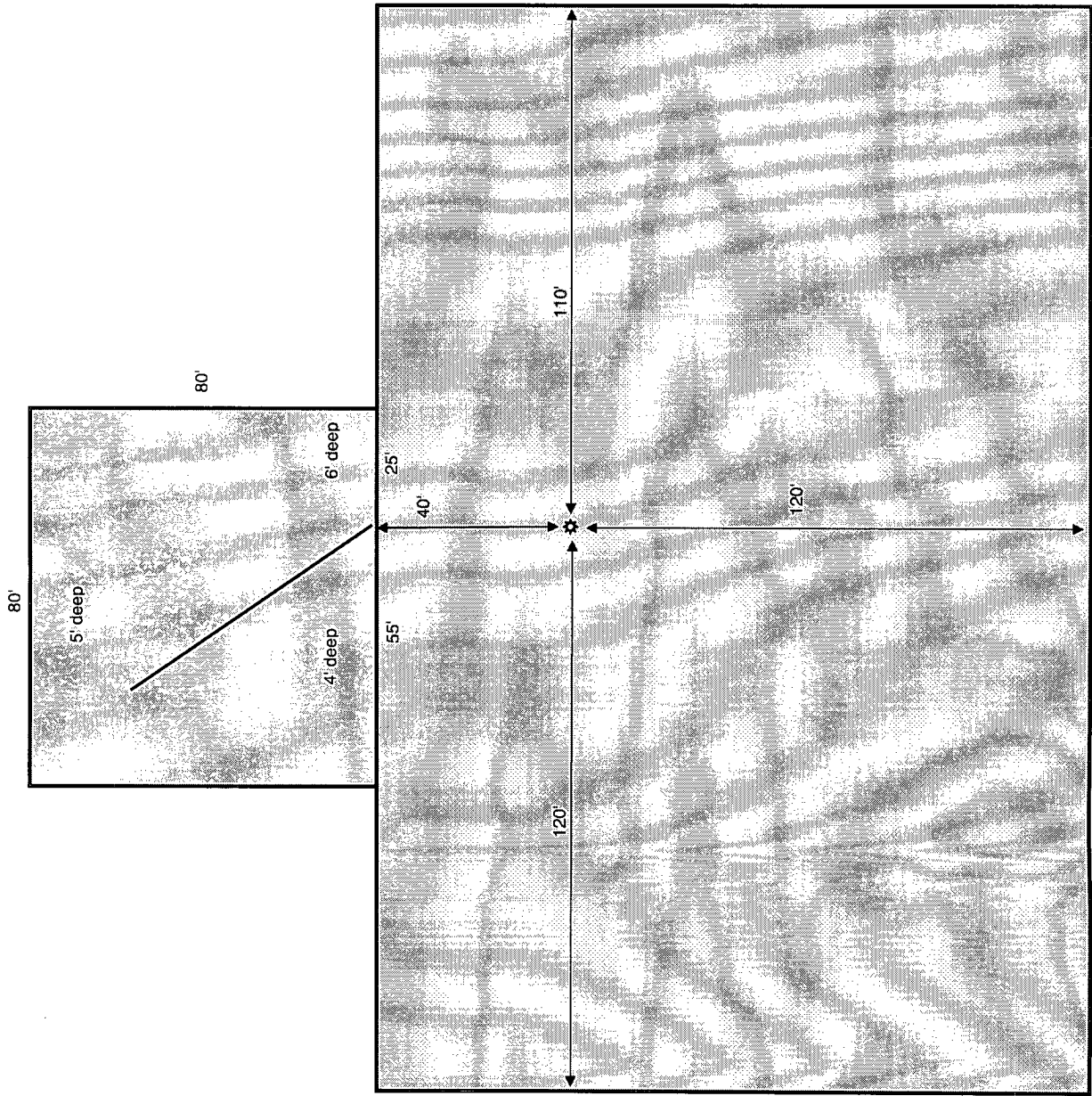
Production:

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
Capstar Rig



Bravo Dome Unit
Cellar and Sump Pit
Capstar Rig

