State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

Ken McQueen Cabinet Secretary Heather Riley, Division Director Oil Conservation Division



Matthias Sayer Deputy Cabinet Secretary

August 12, 2018

Alberto Giussani Albert_Giussani@oxy.com
OXY USA Inc.
P.O. Box 2000
Levelland, Texas 79336

RE: Exception to Allow Compressive Strength Option per Rule 19.15.16.10 G(2) NMAC

OXY USA Inc.,

Bravo Dome Carbon Dioxide Gas Unit Well No. 181J, (API No. 30-021-20683) Primary Cement Wait Time – Surface/Intermediate Casings Harding County, New Mexico

Dear Sir:

Reference is made to your request on behalf of OXY USA Inc. (OGRID 16696; "OXY") received by the Division, dated July 25, 2018.

The data you have submitted indicate that cement compressive strength for the referenced casing under the best assumptions for the slurry, mixing, and hole conditions will likely achieve at least 500 psi compressive strength within 8 hours.

Based on the data supplied, you are hereby granted an exception to the mandatory 18 hour wait-on-cement time for the surface cement job on the referenced well and may use the method as detailed in Rule 19.15.16.10 G(2) NMAC to verify cement competency.

The other requirements of Rule 19.15.16 (G and H) remain in place, including the 8-hour stationary wait-on-cement, and detailed reporting on form C-103 of cementing details. In addition, the Division requires cement to be circulated on all surface casing strings.

The Division Director may rescind this exception if it becomes apparent that cement volume and quantity is not adequate and zonal isolation is not being achieved.

Sincerely,

HEATHER RILEY

Director

HR/wvji

cc: Oil Conservation Division - Santa Fe

API: 30-021-20683



July 25, 2018

From: Alberto Giussani

Senior Engineering Advisor, Reservoir OXY USA Inc. P.O. Box 2000

Levelland, Texas 79336.

To: William V. Jones

District IV Supervisor New Mexico Oil Conservation Division

SUBJECT: Exception to allow compressive strength option per Rule 19.15.16.10 G (2) NMAC for well: BDCDGU 21 30 18 1 J, API: 30-021-20683, Harding County, New Mexico

Dear Sir:

OXY USA, Inc hereby requests an exception to rule paragraph (2) Subsection G, 19.15.16.10 NMAC. The exception to the rule would allow this well located in Harding County to be included in the 500 psi requirement option as described in paragraph (2).

Attached for your information are the current lab tests of the planned surface, intermediate and production tail slurries for the upcoming BDCDGU 2130 18 1 J well (API# 30-021-20683). Also included is a copy of the approved drilling permit in which all casings to be set are summarized.

- For the tail slurry that will be located in the "zone of interest" of the surface casing string, the lab test indicates an 8 hours compressive strength of 546 psi and a 12 hours compressive strength of 830 psi.
- For the tail slurry that will be located in the "zone of interest" of the intermediate casing string, the lab test indicates an 8 hours compressive strength of 637 psi and a 12 hours compressive strength of 1307 psi.

- For the tail slurry that will be located in the "zone of interest" of the production casing string, the lab test indicates an 8 hours compressive strength of 1114 psi.
- We do not anticipate commencing testing operations prior to 9 hours after cement is in place.

If you should require any additional information regarding this request, please contact myself at the number below.

Thanks beforehand,

Regards,

Alberto (Al) Giussani

Senior Engineering Advisor, Reservoir

OXY USA Inc.

Phone: Cellular: 806 638 1296

Jones, William V, EMNRD

From:

Sent: ö

Wednesday, July 25, 2018 4:12 PM Albert_Giussani@oxy.com

Jones, William V, EMNRD

Attachments:

Subject:

Cement_TAIL_Surface Lab Report_Bravo Dome Well.pdf; Exception to allow compressive strength option BDU 2130 181J Request for exception to allow compressive strength option BDU 2130 1811 well.

well.docx; Cement_TAIL_Intermediate Lab Report_Bravo Dome Wells.pdf; Cement_Production Lab Report_Bravo Dome Wells.pdf; BDU 21 30 18 1 J APPROVED DRILLING PERMIT.pdf

Mr. Jones,

Please find the enclosed documents that address Oxy request for an exception to the WOC standard rules for Harding County.

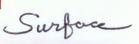
If you have any questions please drop me an email or call me

Thank you

₹

HALLIBURTON

Permian Basin, Odessa



Lab Results - Tail Cement

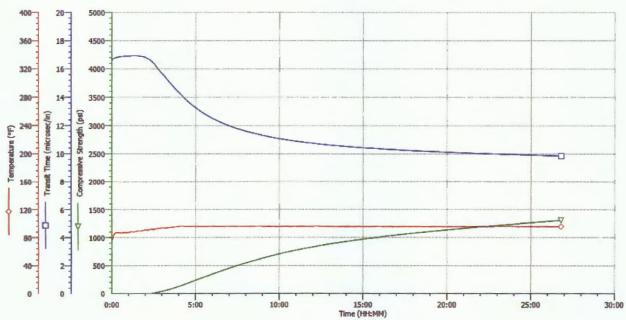
Job Informati	on				
Request/Slurry	2487516/3	Rig Name	Trinidad 435	Date	JUL/19/2018
Submitted By		Job Type	Surface Casing	Bulk Plant	
Customer	Occidental Petroleum Corp	Location	Harding	Well	Bravo Dome Unit 2130 1813
Well Informat	tion				
Casing/Liner Size	13.375 in	Depth MD	1400 ft	BHST	35°C / 95°F
Hole Size	17.5 in	Depth TVD	1400 ft	BHCT	29°C / 85°F

Cement Information - Tail Design

Conc	<u>UOM</u>	Cement/Additive	Ceme	ent Properti	es
		HalCem	Slurry Density	14.8	1bm/gal
100	% BWOC	Cemex Premium Plus C	Slurry Yield	1.348	ft3/sack
6.52	gal/sack	Heated Fresh Water	Water Requirement	6.516	gal/sack
1	% BWOC	CaCl2 (Calcium Chloride) 94-97 % Salt			

Pilot Test Results Request ID 2487516/3

UCA Comp. Strength **End Temp** Pressure 50 psi 100 psi 500 psi 1000 8hr CS (psi) 12 hr CS 24 hr CS **End CS End Time** (degF) (psi) (hh:mm) (hh:mm) (hh:mm) psi(hh:mm) (psi) (psi) (psi) (hrs) 1238 95 4000 3:09 3:44 7:31 15:48 830 1307 27 546



These are draft results and have not been approved for final use.

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Lab Results - Tail

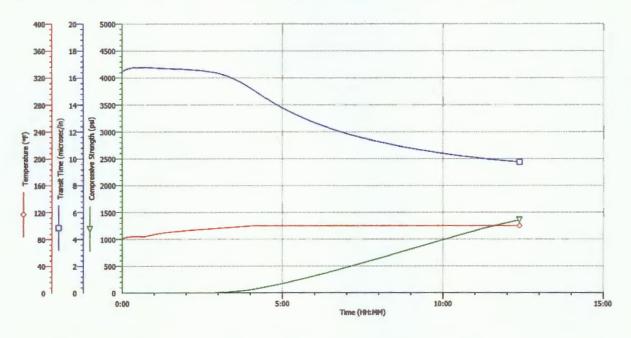
Permian Basin, Artesia

INTERMEDIATE

Job I	nformati	on				-		
Request/Slurry Submitted By Customer		2481786/1	Rig Name	Trinidad 435	Date	JUL/19/20	18	
			Job Type	Intermediate Casing	Bulk Plant	Bravo Dome Unit 2130 181J		
		Occidental Petroleum Corp.	Location	Harding	Well			
Well	Informat	tion						
Casing	Liner Size	8.625 in	Depth MD	2670 ft	BHST	46°C / 120)°F	
Hole Size		10.625 in	Depth TVD	2670 ft	ВНСТ	34°C / 93°F		
eme	nt Inform	nation - Tail Design					\checkmark	
_	nt Inform	nation - Tail Design			Cem	ent Properti	_	
		Cement/Additive			Cem-	ent Properti	_	
Conc	<u>UOM</u>	Cement/Additive HalCem C				-	es	
Conc 00	UOM %BWOC	Cement/Additive HalCem C Cemex Premium Plus C			Slurry Density	14.8	es lbm/gal	
Conc 00	UOM % BWOC gal/sack	Cement/Additive HalCem C Cemex Premium Plus C Heated Fresh Water			Slurry Density Slurry Yield	14.8 1.404	es lbm/gal ft3/sack	
00 5.58	WOM % BWOC gal/sack lb/sk	Cement/Additive HalCem C Cemex Premium Plus C Heated Fresh Water LAP-1 (Powdered Latex)			Slurry Density Slurry Yield	14.8 1.404	es lbm/gal ft3/sack	
Conc 100 5.58	UOM % BWOC gal/sack	Cement/Additive HalCem C Cemex Premium Plus C Heated Fresh Water			Slurry Density Slurry Yield	14.8 1.404	es lbm/gal ft3/sack	
Conc 100 6.58 1 0.5	WOM % BWOC gal/sack lb/sk	Cement/Additive HalCem C Cemex Premium Plus C Heated Fresh Water LAP-1 (Powdered Latex)			Slurry Density Slurry Yield	14.8 1.404	es lbm/gal ft3/sack	

Pilot Test Results Request ID 2481786/1

OCA COM	p. Strength							
End Temp (degF)	Pressure (psi)	50 psi (hh:mm)	100 psi (hh:mm)	500 psi (hh:mm)	8hr CS (psi)	12 hr CS (psi)	End CS (psi)	End Time (hrs)
100	4000	3:55	4:25	7:10	637	1307	1358	12



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Lab Results - Primary Cement

Permian Basin, Artesia

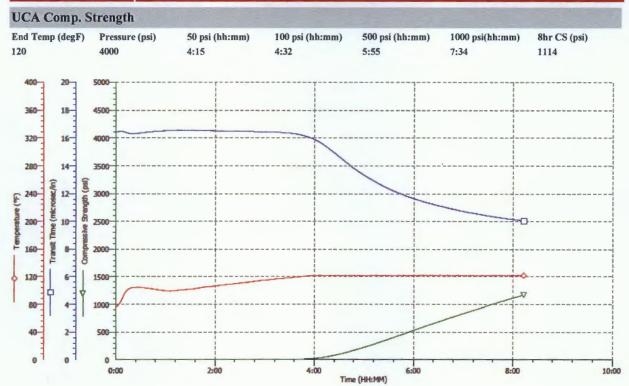
PRODUCTION CASING

on				
2489966/1	Rig Name	Trinidad 435	Date	JUL/19/2018
	Job Type	Intermediate Casing	Bulk Plant	
Occidental Petroleum Corp.	Location	Harding	Well	Bravo Dome Unit 2130 181
tion				T 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5.5 in	Depth MD	3030 ft	BHST	49°C / 120°F
7.875 in	Depth TVD	3030 ft	BHCT	35°C / 95°F
	2489966/1 Occidental Petroleum Corp. tion 5.5 in	2489966/1 Rig Name Job Type Occidental Petroleum Corp. Location tion 5.5 in Depth MD	2489966/1 Rig Name Trinidad 435 Job Type Intermediate Casing Occidental Petroleum Corp. Location Harding tion 5.5 in Depth MD 3030 ft	2489966/1 Rig Name Trinidad 435 Date Job Type Intermediate Casing Bulk Plant Occidental Petroleum Corp. Location Harding Well tion 5.5 in Depth MD 3030 ft BHST

Ceme	ar intor	mation - Frimary Design
C	TION	C

Conc UOM		Cement/Additive	Cement Properties				
		VersaCem H	Slurry Density	16.2	lbm/gal		
00	% BWOC	Cement Blend	Slurry Yield	1.10	ft3/sack		
1.56	gal/sack	Heated Fresh Water	Water Requirement	4.56	gal/sack		
0.3	1b/sk	LAP-1 (Powdered Latex)					
),5	lb/sk	D-Air 5000					
).5	lb/sk	CFR-3 (PB)					

Pilot Test Results Request ID 2489966/1



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Date:

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

Form C-101 August 1, 2011

Permit 254349

Phone:(505) 47	76-3470 Fax:(505) 476	5-3462										
		APPLICATIO	N FOR PERMI	T TO DRILL, R	E-ENTER, D	DEEPEN,	PLUGBA	CK, OR ADD	A ZO	NE		
	me and Address Y USA INC								2. OG	RID Number 16696		
P.O. Box 4294												
Hou	uston , TX 77210-4	294							1	30-021-20	683	
4. Property Cod	de	5. Pr	operty Name						6. Wel	l No.		
271	11		BRAVO DOM	E CARBON DIOX	IDE GAS UNIT	·				181J		
					urface Locatio							
UL - Lot J	Section 18	Township 21N	Range 30E	Lot Idn J	Feet From 178		Line S	Feet From 2296		E/W Line E	County	Harding
				8. Proposed	d Bottom Hole	Location						
UL - Lot	Section	Township	Range	Lot Idn	Feet From		Line	Feet From		E/W Line	County	
J	18	21N	30E	J	178	10	S	2296	3	E		Harding
				9. P	ool Informatio	on						
96010					96010							
				Addition	nal Well Inform							
11. Work Type New	w Well	12. Well Type CO2		13. Cable/Rotary		14. Lease Type 15. Groun				und Level Elevation 5378		
16. Multiple		17. Proposed De 2800		18. Formation Tubb		19. Contrac	tor	20. Sp	0. Spud Date 8/1/2018			
Depth to Groun	nd water			Distance from nea	rest fresh water v	well		Distanc	e to near	rest surface wate	r	
☐ We will be u	using a closed-loo	p system in lieu of	lined pits									
	Hole Size	T 0i 0i		21. Proposed C				Sacks of (2		F-time	ated TOC
Type Surf	14.75	Casing Size		asing Weight/ft 47	`	Setting Depth 1400		600		-+-		0
Int1	10.625	8.625		32		2660		350				0
Prod	7.875	5.5	-+	20		2785		480				0
	1.0.0		C	asing/Cement Pr	rogram: Additi		nents				-	
				22. Proposed B	lowout Prever	ntion Progr	am					
	Туре		Working Pressure	e		Te	st Pressure			Man	ufacturer	
	Annular		5000				3000					
23. I hereby c knowledge ar	•	mation given above	is true and comple	ete to the best of	my			OIL CONSERV	ATION	DIVISION		
I further certi	ify I have complied	d with 19.15.14.9 (A) NMAC 🛭 and/o	r 19.15.14.9 (B) N	IMAC							
X, if applicat	ble.				1							
Signature:					İ							
Printed Name:	Electronical	ly filed by KELLEY	MONTGOMERY		Approve	d By:	William V	/ Jones				
Title:	Manager Re	egulatory			Title:		OCD Dist	trict IV Supervise	ог			
Email Address:		tgomery@oxy.com			Approve	d Date:	7/16/201	8	E	xpiration Date: 7	/16/2020	1
Date: 7/2/2018 Phone: 713-366-5716						ons of Appr	oval Attach	neď				

Conditions of Approval Attached

<u>District 1</u> 1625 N. Frem b. Dr., Hobbs, NM 88240 Phone: (575) 893–6161 Fax: (575) 393–0720

Phone: (575) 393-6161 Fax: (575) 393-0720

<u>District II</u>

SII South First, Axtesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720

<u>District III</u>

1000 Rio Brazos Rd., Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170

<u>District IV</u>

1220 S. St. Francis Dr., Santa Fc. NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Property Code Property Name Property Code Property Code Property Name Property Code Pr	API Number				Pool Code			Pool Name						
Defended Acres Joint or Infill Consolidation Code Order No.						96	5010		BRAVO DO	OME CAF	RBON	DIOXIDE G	AS 640	
Common Section Township Range Lot Idas Feet from the Country Lot Idas Feet from the Country	Prope	erty Co	de					•	•					
Surface Location South S					BRAVO DOME CARBON DIOXIDE GAS UNIT						1	181		
Surface Location Continue Section Township Range Lot Idn Feet from the North/South line Feet from the East / West line County	OGR	tD No						•					1	
Continuous Con	166	96					OX	YUS	SA INC.				53	77.8
Bottom Hole Location If Different From Surface United Section Tournship Range Lot Idia Feet from the North/South like Feet from the East/West line County							S	urfac	e Location					
Bottom Hole Location If Different From Surface UL or for no Section Township Range Lot Idu Feet from the North/South line Feet from the Esst/West line County Dedicated Acres Joint or Intill 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. (NAD 83) BOPERATOR CERTIFICATION I bondy only dark disjonation considerations in the tool only as the bod only bounded; and but the requirement or the south of the facility of the south of	UL or lot no.	Section	,	Township		**	1	Lot Idn.	. Feet from the	North/Sou	th line	Feet from the	East / West line	County
UL or lot no Section Township Range Lot Ida. Feet from the North/South line Feet from the Est/West line Country Dedicated Acres Joint or Intill 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. (NAD 83) 18 OFERATOR CERTIFICATION I honly only that the information constead homis it now and complete as the local open position of the interest interest interest industry and the information of the interest interest industry and the industry and the interest industry and the interest industry and the interest industry and the interest industry and the industry and the interest industry and the interest industry and the industry and the interest industry and the interest industry and interest industry. Signature and Address Sign	J	18	21	NORT	'H	30 EAST, N	I.M.P.M.		1780'	SOU	ГН	2296'	EAST	HARDING
Declicated Acres Joint or Intill 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. [(NAD 83)] 18			·			Bottom	Hole Loc	cation	If Differen	nt From	Sur	face		
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. [NAD 83] [NAD 84 interest of series of serie	UL or lot no.	Section	, ;	Township		Rang	c	Lot Idn.	. Feet from the	North/Soc	th line	Feet from the	East / West line	County
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. [NAD 83] [NAD 84 interest of series of serie			1											
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(NAD 83) 18 OPERATOR CERTIFICATION I ben'ny arelly that the information contained horses is ann and complete as the theory employed horses in the best graph benefity and their formation intersection as the theory of the state of the sta					l									
(NAD 83) 18 OPERATOR CERTIFICATION I ben'ny arelly that the information contained horses is ann and complete as the theory employed horses in the best graph benefity and their formation intersection as the theory of the state of the sta	No allowable	e will b	e assig	ned to	this co.	mpletion until	all interests	have be	een consolidate	d or a no	n-stan	dard unit has	been approved	by the
In the the control of													· PP	-,
I hereby earlije shat der information countried herein it mus and complete as the best gray howerings and best in sequentiation either as the best gray howerings and best the inchange the proposed hereon hole leastion or has a right in deal dain well at distinction the proposed hereon hole leastion or has a right in deal dain well at distinction promises or an entrance of an animal or vertice interests or the animal or vertice interests or has a right in deal dain well at distinction and the proposed hereofore entered by the direction or has a right in deal dain vertice interests or a computatory proling contribution of hereofore entered by the direction of hereofore entered by the direction when the contribution of hereofore entered by the direction when the plant was proposed from the plant was proposed from the dain, of actual surveys made by the right plant was proposed from the direction of the belief. 1 2296' SURVEYOR CERTIFICATION I hereby certify plants are also shown on this plant was proposed from the direction of the direction plants was proposed from the direction of the belief. 1 2296' SURVEYOR CERTIFICATION I hereby certify plants are also shown on this plant was proposed from the direction of the direction of the belief. 1 2296' SURVEYOR CERTIFICATION I hereby certify plants are also shown on this plant was proposed from the direction of	(NIAD	091								10		OPERATOR	CERTIFICAT	TION
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the progrant hote foreign we has a right in dail this well at this leating permitted an invert of each a mineral or white interest or a sevelution permitted as a more of each a mineral or white interest or a sevelution permitted of a mineral or a computary profiting order hereugive mineral by the distance. Math			ļ			İ					14			
SURFACE LOCATION NEW WAY 10 STEP 1 2236 LANG, W. 135 4 704 15. LANG, W. 135			1			i			j		11			
Signature Date Sharon Wyatt Printed Name Sharon wyatt@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify the this wall called shown on this plat was plotted from the thing a struct surveys made by the first plat was plotted from the the same is the first plat with belief. 1 2296' Signature and Suff Reasoning Colors of Surveys Signature and Suff Surveys of Surveys			- !			i			j			-		
Signature Date Sharon Wyatt Printed Name Sharon wyatt@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify the the wall in the policy of that the plat was plotted from the plat was plotted from the plat was profess from the plat was pl			ł			1			İ		!!			day proling
Signature Date Sharon Wyatt Printed Name sharon wyatt@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify the mail and a shown on this plat was ploted from the Making a lateral surveys made by the fit with the same is tree 2nd correct to the post of the belief. Y-103687102 US FT Y						- —}			i		onka /	rangue annu ny av	airsen,	
Signature Date Sharon Wyatt Printed Name sharon wyatt@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify the mail and a shown on this plat was ploted from the Making a lateral surveys made by the fit with the same is tree 2nd correct to the post of the belief. Y-103687102 US FT Y						1			1			TIN) YE	九 6/	/18/18
Printed Name Sharon_wyatt@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify the the wall leading shown on this plat was plotted from self-diagram actual surveys made by meril the the same by meril the plat was provided by that the same is true and survey of the belief. 1 2296' Signification SURVEYOR CERTIFICATION I hereby certify the the wall leading shown on this plat was plotted from self-diagram and surveys made by meril the plat was plotted from the belief. Signification S			1			l l			1				D	
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SURFACE LOCATION NEW MEXICO ASST NEW MEXICO ASST Y-1835837102 US FT X-703518-78 US FT LAT. N 36° 02'49.45" LONG. W-103° 47'04 95" I hereby certify the the wall located surveys made by rightly thereby finds up and that the same is true and corresponding belief. TONE 1, 2018 S Date of Survey Signature and Scale Participant Surveyor			i			ļ			1					
SURFACE LOCATION NEW MEXICO ASST NEW MEXICO ASST Y-1835837102 US FT X-703518-78 US FT LAT. N 36° 02'49.45" LONG. W-103° 47'04 95" I hereby certify the the wall located surveys made by rightly thereby finds up and that the same is true and corresponding belief. TONE 1, 2018 S Date of Survey Signature and Scale Participant Surveyor	 		- — j						!					
SURFACE LOCATION NEW MEXICO ASST NEW MEXICO ASST Y-1835837102 US FT X-703518-78 US FT LAT. N 36° 02'49.45" LONG. W-103° 47'04 95" I hereby certify the the wall located surveys made by rightly thereby finds up and that the same is true and corresponding belief. TONE 1, 2018 S Date of Survey Signature and Scale Participant Surveyor			i			į					SU	RVEYOR CE	RTIFICATION	
SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y-18587102 US FT X-705516.78 US FT LAT. N 36 02 49.45 LONC. W-103 47 04 95 Date of Surface DOCATION Signature and Scall Organization Surfaces Signature and Scall Organization Signature an	I		i		/	[I here	by certify program	Sant la la show	on this
Date of Survey State of Survey and Scall of Estional Survey or Signature and Scall of Estional Survey or	l	S	URFACE	LOCATION	٦				}		plat w	u ployed franky	Beld Belt Street	l surveys
Date of Survey State of Survey and Scall of Estional Survey or Signature and Scall of Estional Survey or		Y-1	NAD 836871.0	1983 2 US FT			1		2296'			' [~]		
Date of Survey State of Survey and Scall of Estional Survey or Signature and Scall of Estional Survey or		LAT	1.: N 3. C. W -10.	6* 02'49.4 3* 47'04 9	§"	1					1	141 4	NIE 1 2018	
			[_ 						Date of	of Survey S	18	/
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Form APD Comments

Permit 254349

District | 1625 N. French Dr., Hobbs, NM 88240 | Phone: (575) 393-6161 Fax: (575) 393-0720 | District II | 811 S. First St., Artesia, NM 88210 | Phone: (575) 748-1283 Fax: (575) 748-9720 | District III | 1000 Rio Brazos Rd. Aztec. NM 87410

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696]		API Number: 30-021-20683		
P.O. Box 4294 Houston , TX 77210-4294		Well: BRAVO DOME CARBON DIOXIDE GAS UNIT #181J		
Created By	Comment	Comment Date		

Form APD Conditions

Permit 254349

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

Operator	Name and Address:	API Number:					
İ	OXY USA INC [16696]	30-021-20683					
	P.O. Box 4294	Well:					
	Houston , TX 77210-4294	BRAVO DOME CARBON DIOXIDE GAS UNIT #181J					
OCD	Condition						
Reviewer	er						
wvjones	Pit construction and closure must satisfy all requirements of your approved plan.						
wvjones	Once the well is spud, to prevent ground water contamination through whole or partial conduits	from the surface, the operator shall drill without interruption through the fresh					
	water zone or zones and shall immediately set in cement the water protection string						
wvjones	es If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.						
wvjones	s Deviation survey must be certified and submitted. Directional survey if the well deviates more than rules allow. Gas Capture Plan is required per the new rule. Frac disclosure						
	must be submitted if the well is hydraulically fractured. Surface Casing must circulate with cement. Stage Tools must be reported if used. Report all water zones and all lost						
	circulation zones. The Operator is to notify NMOCD by sundry (Form C-103 within 10 days of the	well being spud. If intermediate or production casin					