District I 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 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 

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

Form C-101 August 1, 2011

Permit 177894

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

Operator Name and Address     QUANTUM RESOURCES MANAGE	2. OGRID Number 243874	
1401 McKinney St Houston, TX 77010	WENT, LLC	3. API Number 30-025-41531
4. Property Code 307932	5. Property Name ENCORE M STATE	6. Well No. 013

#### 7. Surface Location

- 1	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	F	19	228	37E	200	1900	Ν	2160	W	Lea
- 6	5.									

#### 8. Proposed Bottom Hole Location

F 19 22S 37E F 1900 N 2160 W Lea	- 1	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
		F	19	228	3/⊢	F	1900	N	2160	W	Lea

#### 9. Pool Information

BLINEBRY OIL AND GAS (OIL)	6660
DRINKARD	19190
WANTZ;ABO	62700

#### **Additional Well Information**

11. Work Type	New Well OIL		14. Lesse Type	15. Ground Level Elevation
New Well			State	3425
18. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
Y	7000	Abo		1/6/2014
Depth to Ground water		Distance from nearest fresh water v	vell	Distance to nearest surface water

### ☑ We will be using a closed-loop system in lieu of lined pits

#### 21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1175	1050	0
Int1	11	8.625	32	4000	960	0
Prod	7.875	5.5	20	7000	650	3750

#### Casing/Cement Program: Additional Comments

	100000000000000000000000000000000000000
6	CONTROL TO CONTROL OF FRANCISCO AND AND AND AND

## 22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1500	
Double Ram	3000	2500	_

knowledge and b	pelief.	true and complete to the best of my  NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSERVATIO	ON DIVISION
Printed Name:	nted Name: Electronically filed by Yolanda Perez			Paul Kautz	
Title:	Regulatory Supervisor			Geologist	
Email Address:	yperez@qracq.com	Approved Date:	12/3/2013 Expiration Date: 12/3/2015		
Date:	12/2/2013	Phone: 713-634-4696	Conditions of Approval Attached		

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 Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

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☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
30-025-	6660	Blinebry Oil & Gas (Oil)	
<sup>4</sup> Property Code	5	Property Name	<sup>6</sup> Well Number
307932	Encore	M State	13
<sup>7</sup> OGRID No.	8	Operator Name	<sup>9</sup> Elevation
243874	Quantum Resources Managem	ent, LLC	3425'

<sup>10</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
F	19	22 S	37 E		1900	North	2160	West	Lea	

<sup>11</sup>Bottom Hole Location If Different From Surface

			Docc	OIII IIO.	ic bocation i	Difference	Tom Buriace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
								and the state of t	
<sup>12</sup> Dedicated Acres	13 Joint o	r Infill	Consolidation C	ode 150	J Irder No.				
40	İ								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNITL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	STITIO	ONII HAD DEBN A	THOUSE DI THE DE	
			16	<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.
	1			
	1900'			Culista A. Dal
	<u></u>			Sighature
	" " " :			Celeste G. Dale
		M STATE 13		Printed Name
		Elev. 3425'		
2160'	<del>_</del>	NAD 83 NM East		Sr. Regulatory Analyst Title and E-mail Address
		−N= 503592		ntie and E-mail Address
	•	E= 890154 NAD 83		12/02/12
=	=	NAD 63 Lat. = 32' 22' 45.77"		12/02/13 Date
		Long.= 103' 12' 12.34"		
1 11	-11111111			18SURVEYOR CERTIFICATION
				/ 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.
				11 15 2017
				11-15-2013 Date of Survey
				11-15-2013  Date of Survey  Signature and Seal of Professional Startes
				$\left(\begin{array}{c} R_{G} \\ S_{G} \end{array}\right) \left(\begin{array}{c} 10324 \\ 10324 \end{array}\right) \left(\begin{array}{c} 865 \\ 10324 \end{array}\right)$
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				(10324) BOLLAND
				were the
				10324 POFESSIONAL Cartificate Number
				Certificate Number

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District\_I

1625 N. French Dr., Hobbs NM 88240

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State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	<sup>2</sup> Pool Code	<sup>2</sup> Pool Code <sup>3</sup> Pool Name					
30-025-	19190	19190 Drinkard					
<sup>4</sup> Property Code	<sup>5</sup> Property	Name	<sup>6</sup> Well Number				
307932	Encore M Sta	Encore M State					
<sup>7</sup> OGRID No.	<sup>8</sup> Operator	<sup>9</sup> Elevation 3425'					
243874	Quantum Resources Management,	lantum Resources Management, LLC					

<sup>10</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
F	19	22 S	37 E		1900	North	2160	West	Lea	

<sup>11</sup> Rottom Hole Location If Different From Surface

			DUCC	OIII IIC	of Eccation i	Different	Tom Durace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres	<sup>13</sup> Joint o	or Infill	14Consolidation C	ode 15	Order No.	<u> </u>			
40									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNITL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<u></u>	O I I III VE	MILE MEET CALL TIME	INCVED DI IIID DI	
	1		16	<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.
	_'			
	1900,			Culiste A. Dale
	100			Signature
				Celeste G. Dale
	ļ .	M STATE 13		Printed Name
		Elev. 3425'		0 0 1 1 1 1
2160'	· ·	NAD 83 NM East		Sr. Regulatory Analyst Title and E-mail Address
		−N= 503592 E= 890154		
		NAD 83		
	:	Lat. = 32° 22° 45.77"		Date
		Long.= 103° 12' 12.34"		
				<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.
				11-15-2013 NEL L. STAN
				Date of Survey
				Date of Survey  Signature and Seal of Professional Control Con
			•	$\left(\begin{array}{c} R_{G} \\ S_{G} \end{array}\right) \left(\begin{array}{c} 10324 \\ 10324 \end{array}\right) \left(\begin{array}{c} S_{G} \\ S_{G} \end{array}\right)$
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				1 Cural ( ) Company
				10324 PROFESSIONAL
				Certificate Number
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District I

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District II

1301 W. Grand Avenue, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

District\_IV

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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 June 10, 2003

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	<sup>2</sup> Pool Code	<sup>2</sup> Pool Code <sup>3</sup> Pool Name					
30-025-	62700	62700 Wantz; Abo					
<sup>4</sup> Property Code	5Pr	<sup>6</sup> Well Number					
307932	Encore M	Encore M State					
<sup>7</sup> OGRID No.	g0 <sup>8</sup>	<sup>8</sup> Operator Name					
243874	Quantum Resources Manageme	antum Resources Management, LLC					

<sup>10</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
F	19	22 S	37 E		1900	North	2160	West	Lea

<sup>11</sup>Bottom Hole Location If Different From Surface

	Bottom Hole Bocation in Different From Barrace									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
12			<u></u>	. 1	<u> </u>					
12 Dedicated Acres	<sup>13</sup> Joint o	r Infill	14Consolidation C	ode   150	order No.					
40										

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	AND ONIT HAD DEEN A		
1		16	<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.
1900,			Julisti of Dale
16			Signature
. [			
H	"		Celeste G. Dale
			Printed Name
	M STATE 13 Elev. 3425'		
2160'	NAD 83 NM East		Sr. Regulatory Analyst Title and E-mail Address
2100	N= 503592		Title and E-mail Address
Ī.	E= 890154		
 	NAD 83		12/02/13 Date
	Lat. = 32' 22' 45.77"		Date
<u> </u>	Long.= 103' 12' 12.34"		
			<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
į			and correct to the best of my belief.
			11-15-2013  Date of Survey  Signature and Seal of Professional Survey
			Date of Survey
			[ ( ( 10324 ) ] \(\inp\) [ ],
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			10324 *** ESSIONAL
			Certificate Number

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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720 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 District IV

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 177894

Form APD Comments

**PERMIT COMMENTS** 

Operator Name and Address:	API Number:			
QUANTUM RESOURCES MANAGEMENT, LLC [243874]	30-025-41531			
1401 McKinney St	Well:			
Houston, TX 77010	ENCORE M STATE #013			

Created By Comment Comment Date

Form APD Conditions

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
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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 177894

### PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:		
QUANTUM RESOURCES MANAGEMENT, LLC [243874]	30-025-41531		
1401 McKinney St	Well:		
Houston, TX 77010	ENCORE M STATE #013		

OCD Reviewer	Condition
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
DMULL	Will require the form C-103 per R-11363 pre approved pools and area for Downhole commingling before multiple zones can be produced by commingling in the wellbore accordance with the Rule 19.15.12.11.
pkautz	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
pkautz	SURFACE & INTERNEMIATE CASING - Cement must circulate to surface.
pkautz	PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water