

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

Form C-101
August 1, 2011
Permit 241465

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

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

1. Operator Name and Address BREITBURN OPERATING LP 1111 Bagby Street Houston, TX 77002		2. OGRID Number 370080
4. Property Code 314022		3. API Number 30-025-44028
5. Property Name ENCORE M STATE		6. Well No. 011

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	20	22S	37E	M	978	S	641	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	20	22S	37E	M	978	S	641	W	Lea

9. Pool Information

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

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3387
16. Multiple Y	17. Proposed Depth 7600	18. Formation Abo	19. Contractor	20. Spud Date 9/25/2017
Depth to Ground water		Distance from nearest fresh water well		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	7600	800	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: Printed Name: Electronically filed by Jeanie Mcmillan Title: Email Address: jeanie.mcmillan@breitburn.com Date: 9/18/2017	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 9/20/2017 Expiration Date: 9/20/2019 Conditions of Approval Attached
Phone: 713-632-8534	

Exhibit 1
 O&G 1 - North 20, Section 30, T22N
 Exhibit 2
 O&G 2 - Grand Avenue, Section 30, T22N
 Exhibit 3
 O&G 3 - Grand Avenue, Section 30, T22N
 Exhibit 4
 O&G 4 - Grand Avenue, Section 30, T22N
 Exhibit 5
 O&G 5 - Grand Avenue, Section 30, T22N

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1820 South St. Francis Dr.
 Santa Fe, NM 87505

Form 7-102
 Revised June 10, 2000
 Submit to appropriate District Office
 State Taxes - 4 Copies
 Fee Taxes - 3 Copies

APPENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number 20-025-	Well Name 3660	Fluid Type Binary Oil & Gas (OG)
Property Code 877952	Operator Name Encore M State	Well Number 11
Section No. 243674	Operator Name Quantum Resources Management, LLC	Well Name 3660

Surface Location

Well No.	Section	Township	Range	East 1/4	Well Name	North/South	East from 1/4	East from 1/4	County
W	20	22 N	27 E		3660	South	841	West	Lon

Bottom Hole Location If Different From Surface

Well No.	Section	Township	Range	East 1/4	Well Name	North/South	East from 1/4	East from 1/4	County

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

	W 3660-11 Dev 3587 NAD 83 NAD 83 N= 571225 E= 893632 NAD 83 Lat = 37° 29' 21.04" Long = 105° 11' 28.57"	12 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and accurate to the best of my knowledge and belief. <i>Celeste G. Dale</i> Celeste G. Dale 12/02/13 12 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my belief. 12/15/2013 10324 10324
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300-225
 1000 N. French St., Suite 100, El Paso
 79901
 1000 N. French St., Suite 100, El Paso
 79901
 1000 N. French St., Suite 100, El Paso
 79901
 1000 N. French St., Suite 100, El Paso
 79901

State of New Mexico
 Energy, Minerals & Natural Resources Department
OH. CONSERVATION DIVISION
 3220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised June 11, 2007
 Submit to Appropriate District Office
 State Issues - 4 Copies
 Fee Issues - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAN

30-225	19190	Darkert
30-832	Enquire M State	
243874	Quantum Resources Management, LLC	

Surface Location

U.S. 1/4 Sec.	Section	Range	Township	Foot Cont. Sec.	North/South Line	Foot Cont. Sec.	East/West Line	County
14	20	22 E	37 N	076	South	041	West	Lea

Bottom Hole Location is Different From Surface

U.S. 1/4 Sec.	Section	Range	Township	Foot Cont. Sec.	North/South Line	Foot Cont. Sec.	East/West Line	County
40								

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. _____ Operator
	Celeste C. Dale Project Rep. Sr. Regulatory Analyst 12/02/13 Title:
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plan was plotted from the most recent survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge. 11-15-2013 Title: Surveyor Signature: _____ 10324 Certified Surveyor
	10324 Certified Surveyor

4.2 Miles SW of _____, _____, New Mexico. File No. 1-5458

Exhibit I
 1825 N. French Dr., Suite 200
 Exhibit II
 1121 N. Grand Avenue, Santa Fe, NM 87508
 Exhibit III
 1201 N. French Dr., Suite 200
 Exhibit IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1820 South St. Francis Dr.
 Santa Fe, NM 87505

Form E-102
 Revised June 10, 2003
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number 30-025-	Well Code 62700	Well Name Wentz, Abo
Property State 307932	Property Name Encore M State	Well Number 11
Tract No. 243874	Operator Name Quantum Resources Management, LLC	Well Name 3087

Surface location

Well Section	Section	Township	Range	Section	Feet from the	North/South line	Feet from the	East/West line	County
4	20	22 E	37 E	575	South	641	West	Lea	

Bottom Hole Location if Different from Surface

Well Section	Section	Township	Range	Section	Feet from the	North/South line	Feet from the	East/West line	County

Illustrated Area	Block or well	Direction Code	Wells No.
40			

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Celeste G. Dale Sr. Regulatory Analyst 12/02/13
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from first order of control surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 11-10-2013 Michael L. Stanford 0324 Certificate Number

5.7 Miles SW of _____, New Mexico.

File No. 4-8132

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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

Form APD Comments

Permit 241465

PERMIT COMMENTS

Operator Name and Address: BREITBURN OPERATING LP [370080] 1111 Bagby Street Houston, TX 77002		API Number: 30-025-44028
		Well: ENCORE M STATE #011
Created By	Comment	Comment Date
pkautz	5.9 DENIAL COMPLIANCE	9/12/2017

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Form APD Conditions

Permit 241465

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: BREITBURN OPERATING LP [370080] 1111 Bagby Street Houston, TX 77002	API Number: 30-025-44028
	Well: ENCORE M STATE #011

OCD Reviewer	Condition
pkautz	The operator shall keep a copy of the approved form C-101 and a copy of these conditions of approval at the well site.
pkautz	Will require deviation survey with C-104
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	Pit construction and closure must satisfy all requirements of your approved plan.
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	1)- The Operator is to notify NMOCDC by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 20 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Lost Circulation - Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	Water flows - Must notify OCD Hobbs Office of any water flows in the Salado Formation at 575-370-3186. Report depth and flow rate
pkautz	Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.
pkautz	Gas Capture Plan - Operator to Submit Gas Capture Plan ASAP.