

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 247730

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 316831		3. API Number 30-025-44443
5. Property Name ENCORE M 21 FEE		6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	21	22S	37E	K	2130	S	1765	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
K	21	22S	37E	K	2310	S	1765	W	Lea

9. Pool Information

BLINEBRY OIL AND GAS (OIL)	6660
TUBB OIL AND GAS (OIL)	60240
DRINKARD	19190
WANTZ;ABO	62700
WC-025 G-02 S223729G;GLORIETA	98223

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3361
16. Multiple Y	17. Proposed Depth 7600	18. Formation Fussleman	19. Contractor	20. Spud Date 5/1/2018
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	1180	1085	0
Int1	12.25	9.625	40	4550	1300	0
Prod	8.75	5.5	20	7600	1300	3500

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Jeanie Mcmillan	Approved By: Paul Kautz
Title:	Title: Geologist
Email Address: jeanie.mcmillan@breitburn.com	Approved Date: 2/9/2018 Expiration Date: 2/9/2020
Date: 2/8/2018 Phone: 713-632-8534	Conditions of Approval Attached

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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 18, 2003
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number	6660	Well Name	Blinberry Oil and Gas (Oil)
Property Code	ENCORE M 21 FEE	Property Name	002
Well No.	370080	Operator Name	3361
Bretthorn Operating LP			

Surface Location

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	North/South Line	County
K	21	22 S	37 E		2180	South	1785	West	Lea

Bottom Hole Location if Different from Surface

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	North/South Line	County

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

Encore M 21 Fee 002 Elev. 3381' NAD 83 NW East N= 502457.1' E= 800235.4' NAD 83 Lat. = 35° 22' 33.47" Long. = -103° 10' 14.24" Encore M 21 Fee 001 1104' 1785' 2180'	LMPSU 72 LMPSU 71 LMPSU 100 LMPSU 74	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Shelly Doescher Shelly Doescher, Agent shelly_doescher@yahoo.com 01/29/2018
	LMPSU 102 LMPSU 103 LMPSU 101 LMPSU 106	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. 11-16-2017 Date of Survey Signature and Seal of MICHAEL L. STAFFORD 10324 Professional Land Surveyor
	LMPSU 322 LMPSU 321	

4.2 Miles NW of Encino, New Mexico.

File No. A-1028

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number		Well Code	Well Name
		80240	Tubb Oil and Gas (Oil)
Property Code	Property Name		Well Number
	ENCORE M 21 FEE		002
Well No.	Operator Name		Well Name
370080	Bretthorn Operating LP		3361

Surface Location

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	East/West Line	County
K	21	22 S	37 E		2180	South	1785	West	Lea

Bottom Hole Location if Different from Surface

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	East/West Line	County
Well Number		Well Code		Well Name					

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

Encore M 21 Fee 002 Elev. 3381' NAD 83 NW East N= 502457.1' E= 800235.4' NAD 83 Lat. = 37° 22' 33.47" Long. = -103° 10' 14.24" Encore M 21 Fee 001 1104' 1785' 2180'				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Shelly Doescher</i> Signature Shelly Doescher, Agent Printed Name shelly_doescher@yahoo.com Well and 8-mail address 01/29/2018 Date	
				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. 11-16-2017 Date of Survey <i>Michael L. Stafford</i> Signature and Seal of 10324 Certificate Number	
Diagram showing well locations (LMPSU 72, 71, 100, 74, 102, 103, 101, 106, 1022, 1021) and acreage dedication lines.					

4.2 Miles NW of Encino, New Mexico.

File No. A-1028

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number		Well Code	Drill and	Well Name
		19190		
Property Code	Property Name			Well Number
	ENCORE M 21 FEE			002
Well No.	Operator Name			Well Name
370080	Bretthorn Operating LP			3361

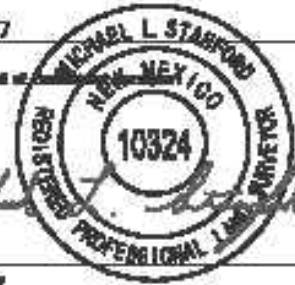
Surface Location

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	East/West Line	County
K	21	22 S	37 E		2180	South	1785	West	Lea

Bottom Hole Location if Different From Surface

Sec. or 1/4 Sec.	Section	Township	Range	1st 1/4	East from Sec.	North/South Line	East from Sec.	East/West Line	County
Well Number		Well Code		Well Name		Well Name			

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Encore M 21 Fee 002 Elev. 3381 NAD 83 NW East N= 502457.1' E= 800235.4' NAD 83 Lat. = 35° 22' 33.47" Long. = -103° 10' 14.24" Encore M 21 Fee 001 1104' 1785' 2180'				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Shelly Doescher</i> Shelly Doescher, Agent shelly_doescher@yahoo.com 01/29/2018	
				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. 11-16-2017 Date of Survey Signature and Seal of 	
LMPSU 72 LMPSU 71 LMPSU 100 LMPSU 74 LMPSU 102 LMPSU 103 LMPSU 101 LMPSU 106 LMPSU 322 LMPSU 321					

4.2 Miles NW of Encino, New Mexico.

File No. A-1028

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number		Well Code	Well Name
		162700	Wantz;Abo
Property Code	Property Name		Well Number
	ENCORE M 21 FEE		002
Well No.	Operator Name		Well Name
370080	Bretthorn Operating LP		3361

10 Surface Location

Sec. or 1/4 Sec.	Section	Township	Range	1st Mer.	East from Sec.	North/South Line	East from Sec.	East/West Line	County
K	21	22 S	37 E		2180	South	1785	West	Lea

11 Bottom Hole Location if Different from Surface

Sec. or 1/4 Sec.	Section	Township	Range	1st Mer.	East from Sec.	North/South Line	East from Sec.	East/West Line	County

Wellhead Name	Depth or Well	Classification Code	Other No.

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	LMPSU 102 LMPSU 103 LMPSU 101 LMPSU 106	13 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. 11-16-2017 Date of Survey <u>Michael L. Stafford</u> Signature and Seal of 10324 Certificate Number
	LMPSU 322 LMPSU 321	REGISTERED PROFESSIONAL LAND SURVEYOR NEW MEXICO 10324

4.2 Miles NW of Encino, New Mexico.

File No. A-1008

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 Revised June 18, 2003
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number	98223	Well Name	WVC-025 G-02 S223729G; Glorieta
Property Code	ENCORE M 21 FEE	Property Name	
Well No.	370080	Operator Name	Bretthorn Operating LP
		Well Depth	3361'

10 Surface Location

Sec. or 1/4 Sec.	Section	Township	Range	1st Mer.	East from 1st	North/South Line	East from 1st	East/West Line	County
K	21	22 S	37 E		2180	South	1785	West	Lea

11 Bottom Hole Location If Different From Surface

Sec. or 1/4 Sec.	Section	Township	Range	1st Mer.	East from 1st	North/South Line	East from 1st	East/West Line	County

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	LMPSU 102 LMPSU 103 LMPSU 101 LMPSU 106		13 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. 11-16-2017 Date of Survey Signature and Seal of <u>Michael L. Stafford</u> 10324 Certificate Number
	LMPSU 322 LMPSU 321		REGISTERED PROFESSIONAL LAND SURVEYOR NEW MEXICO 10324

4.2 Miles NW of Encino, New Mexico.

File No. A-1008

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

Form APD Comments

Permit 247730

PERMIT COMMENTS

Operator Name and Address: BREITBURN OPERATING LP [370080] 1111 Bagby Street Houston, TX 77002		API Number: 30-025-44443
		Well: ENCORE M 21 FEE #002
Created By	Comment	Comment Date
pkautz	GCP received 02/08/2018	2/8/2018

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Form APD Conditions

Permit 247730

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: 30-025-44443
	Well: ENCORE M 21 FEE #002

OCD Reviewer	Condition
pkautz	Will require Deviation Survey with C-104
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	1)- The Operator is to notify NMOCD 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 45 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	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	Will require administrative application for Down Hole Commingling