

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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 185545

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

1. Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211		2. OGRID Number 13837
4. Property Code 313189		3. API Number 30-025-41818
5. Property Name STAR STATE		6. Well No. 001

7. Surface Location

UL - Lot A	Section 2	Township 26S	Range 37E	Lot Idn	Feet From 430	N/S Line N	Feet From 330	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 2	Township 26S	Range 37E	Lot Idn A	Feet From 430	N/S Line N	Feet From 330	E/W Line E	County Lea
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9. Pool Information

JUSTIS;ABO	34170
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3023
16. Multiple N	17. Proposed Depth 7650	18. Formation Abo	19. Contractor	20. Spud Date 5/9/2014
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	12.25	8.625	32	875	500	0
Prod	7.875	5.5	17	7650	1100	0

Casing/Cement Program: Additional Comments

Mack Energy Corporation proposes to drill a 12 1/4" hole to 875', run 8 5/8" casing and cement. Drill a 7 7/8" hole to 7650', run 5 1/2" casing and cement. Put well on production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 5/2/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 5/2/2014 Expiration Date: 5/2/2016 Conditions of Approval Attached
Phone: 505-748-1288	

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Energy, Minerals and Natural Resources

Oil Conservation Division

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Santa Fe, NM 87505

Form C-102

August 1, 2011

Permit 185545

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41818	2. Pool Code 34170	3. Pool Name JUSTIS;ABO
4. Property Code 313189	5. Property Name STAR STATE	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3023

10. Surface Location

UL - Lot A	Section 2	Township 26S	Range 37E	Lot Idn	Feet From 430	N/S Line N	Feet From 330	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill			14. Consolidation Code			15. 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

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Form APD Comments
Permit 185545

PERMIT COMMENTS

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-025-41818
		Well: STAR STATE #001

Created By	Comment	Comment Date
DWEAVER	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	5/2/2014
pkautz	Land p/S	5/2/2014

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Form APD Conditions
 Permit 185545

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211	API Number: 30-025-41818
	Well: STAR STATE #001

OCD Reviewer	Condition
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 & PRODUCTION CASING - Cement must circulate to surface
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water