

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 147437

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
		3. API Number 30-025-40533
4. Property Code 39176	5. Property Name BLACK JACK STATE COM	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	18	18S	35E	I	2285	S	330	E	LEA

8. Pool Information

WC-025 G-06 S183518A;BONE SPRING	97930
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3956
14. Multiple N	15. Proposed Depth 13589	16. Formation Bone Spring	17. Contractor	18. Spud Date 5/1/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	9.625	36	1600	850	0
Int1	8.75	7	26	9150	875	0
Prod	6.125	4.5	11.6	13589	425	8500

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 14 3/4" hole to 1600, run 9 5/8 casing and cement to surface. Drill a 8 3/4" hole to 9150', run 7" casing and cement to surface. Set KOP. Drill a 6 1/8" curve and horizontal hole to TD, run 4 1/2" liner from TD to 8200' and cement back to 8500'.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 4/17/2012	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 4/20/2012	Expiration Date: 4/20/2014
	Conditions of Approval Attached	

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Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 147437

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-40533	2. Pool Code 97930	3. Pool Name WC-025 G-06 S183518A,BONE SPRING
4. Property Code 39176	5. Property Name BLACK JACK STATE COM	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3956

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	18	18S	35E		2285	S	330	E	LEA

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
L	18	18S	35E	3	2285	S	330	W	LEA
12. Dedicated Acres 158.20	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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Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: BLACK JACK STATE COM #001

API: 30-025-40533

Created By	Comment	Comment Date
JWSHERRELL	H2S concentrations of H2S in this area from surface to TD are low enough that a contingency plan is not required.	4/17/2012
pkautz	Land s/S	4/18/2012
CHERRERA	OCD RECIEVED FOMR C-144 CLEZ. OCD PERMIT #P1-04475	4/20/2012

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: BLACK JACK STATE COM #001

API: 30-025-40533

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