<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
<u>District II</u>

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

<u>District IV</u>

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

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

MACK	r Name and Address ENERGY CORP	2. OGRID Number 13837		
PO Box 960 Artesia, NM 88211		3. API Number 30-015-40930		
4. Property Code	5. Property Name	6. Well No.		
39599 MAMMOTH FEE		001		

7. Surface Location

120	100	2		7.0	difface Loc	ution	20	0 (0)		
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
J	3	238	27E	J	2310	S	2310	E	EDDY	

8. Proposed Bottom Hole Location

L SI	3 00	15	0.	rroposed	Dottom H	ole Locatio	ш	9.00	
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	3	238	27E	J	2310	S	2310	E	Eddy

9. Pool Information

Additional Well Information

New Well OIL 16. Multiple 17. Proposed Depth N 10600		18. Formation	Private 19. Contractor	3100 20. Spud Date
		Bone Spring		1/14/2013

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	450	0
Int1	12.25	8.625	32	2000	1000	0
Prod	7.875	5.5	17	10600	1300	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2" hole to 400', run 13 3/8" casing and cement. Drill 12 1/4" hole to 2000', run 8 5/8" casing and cement. Drill 7 7/8" hole to 10,600', run 5 1/2" casing and cement. Put well on production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

 I hereby certify that the information g best of my knowledge and belief. 	•	OIL CONSERVATION DIVISION					
I further certify I have complied with 19.15.14.9 (B) NMAC ., if applicabl	19.15.14.9 (A) NMAC 🛮 and/or e.	Approved By: Randy Dade					
Signature:							
Printed Name: Electronically filed	by Jerry Sherrell	Title: District Supervisor					
Title: Production Clerk		Approved Date: 1/3/2013 Expiration Date: 1/3/2015					
Email Address: jerrys@mec.com							
Date: 1/2/2013	Phone: 505-748-1288	Conditions of Approval Attached					

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division

Form C-102 August 1, 2011

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

WELL LOCATION	AND	ACREACE	DEDICAT	ION PLAT

***	LL LOCATION AND ACK	AGE DEDICATION TEAT
1. API Number	2. Pool Code	3. Pool Name
30-015-40930	10380	CASS DRAW;BONE SPRING
4. Property Code	5. Property 1	Name 6. Well No.
39599	MAMMOT	H FEE 001
7. OGRID No.	8. Operator 1	Vame 9. Elevation
13837	MACK ENERG	Y CORP 3100

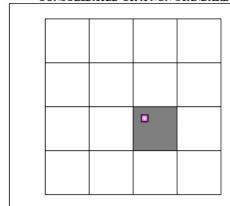
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	3	238	27E		2310	S	2310	E	EDDY

11 Rottom Hole Location If Different From Surface

11. Bottom Hote Docution II Billet cliv 110m Surface											
UL - Lot	Section	Township	Range	Lot I	idn	Feet From	N/S L	ine	Feet From	E/W Line	County
7.026.00	cated Acres	13. 3	oint 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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Jerry Sherrell Title: Production Clerk Date: 1/2/2013

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.

Surveyed By: Filimon Jaramillo Date of Survey: 11/12/2012 Certificate Number: 1377

Permit Comments

Operator: MACK ENERGY CORP , 13837 Well: MAMMOTH FEE #001 API: 30-015-40930

Created By	Comment	Comment Date
DWEAVER	H2S concentration of wells in this area from surface to TD are low enough that a contingency plan is not required.	1/2/2013
CSHAPARD	Land p/P	1/3/2013

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837 Well: MAMMOTH FEE #001 API: 30-015-40930

OCD Reviewer	Condition
CSHAPARD	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