State of New Mexico

Form C-101 Permit 120899

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

MACI	or Name and Address ENERGY CORP	OGRID Number 13837		
PE 172.5 207	O BOX 960 SIA , NM 88211	3. API Number 30-025-39925		
4. Property Code 38330	5. Property Name HAWKEYE STATE COM	6. Wett No. 001H		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	6	16S	32E	P	330	S	455	E	LEA

8. Pool Information

WILDCAT ABO	97019
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Additional Well Information

	901	TAUGITION	ii vi cii imiorii	IUTION	
9. Work Type New Well	10. Well Ty OIL			12. Lesse Type State	13. Ground Level Elevation 4371
14. Multiple N	15. Proposed 15884	300	Formation Abo	17. Contractor	18. Spud Date 10/15/2010
Depth to Ground	water	Distance fr	om nearest fresh water	well	Distance to nearest surface water
it: Liner: Synthetic Closed Loop Syste		s thick Clay Pit Vo	lume: bbls	Dritting Method: Fresh Water X Brine I	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1400	1200	0
Prod	8.75	7	26	8800	1025	0
Liner1	6.125	4.5	11.6	15884	0	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4" hole to 1400', run 9 5/8 casing and circ. cement. Drill a 8 3/4" hole to 8800', run 7" casing and circ. cement. Drill a 6 1/8" hole horizontal to a TD of 15,884', run a 4 1/2" liner from 8100' to TD set using Peak Completion liner hanger and packer system.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer	
DoubleRam	3000	3000		

I hereby certify that the information giv of my knowledge and belief. I further certify that the drilling pit	ven above is true and complete to the best will be constructed according to	OIL CONSERVATION DIVISION			
	ermit , or an (attached) alternative	Approved By: Paul Kautz			
Printed Name: Electronically fil	ed by Jerry Sherrell	Title: Geologist			
Title: Production Clerk		Approved Date: 10/4/2010	Expiration Date: 10/4/2012		
Email Address: jerrys@macken	ergycorp.com				
Date: 9/29/2010	Phone: 505-748-1288	Conditions of Approval Atta	ched		

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 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

Form C-102 Permit 120899

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

**	EDD DO CHILLON IN ID HOLDIN	DE DEDICITION I DIT
1. API Number	2. Pool Code	3. Pool Name
30-025-39925	97019	WILDCAT ABO
4. Property Code	5. Property Nan	e 6. Well No.
38330	HAWKEYE STAT	E COM 001H
7. OGRID No.	8. Operator Nan	e 9. Elevation
13837	MACK ENERGY	CORP 4371

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	6	16S	32E	II. In one of	330	S	455	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
A	6	16S	32E	9	330	N	355	E	LEA
25.00	cated Acres 8.60	13. J	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: 9/29/2010

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: Ronald Eidson Date of Survey: 8/31/2010 Certificate Number: 3239

Permit Comments

Operator: MACK ENERGY CORP , 13837 Well: HAWKEYE STATE COM #001H

API: 30-025-39925

Created By	Comment	Comment Date
JWSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	9/28/2010
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02516.	10/4/2010

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837 Well: HAWKEYE STATE COM #001H

API: 30-025-39925

OCD Reviewer	Condition
DMULL	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
DMULL	Will require a directional survey with the C-104