State of New Mexico

Form C-101 Permit 118363

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

	Name and Address	2. OGRID Number	
MACK ENERGY CORP		13837	
2000 2000	BOX 960 A . NM 88211	3. API Number	
1111201	1,1111 00211	30-025-39869	
4. Property Code	5. Property Name	6. Well No.	
38273	HAWK STATE	002	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
0	30	15S	32E	0	330	S	1980	E	LEA

8. Pool Information

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4336 18. Spud Date 8/30/2010	
14. Multiple N	15. Proposed Depth 13373	16. Formation Abo	17. Contractor		
Depth to Ground	water	Distance from nearest fresh	water well	Distance to nearest surface water	
Pit: Liner: Synthetic Closed Loop Syste	mils thick	Clay Pit Volume:	bbls Drilling 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	1025	0
Prod	8.75	7	26	8850	1025	0
Liner1	6.125	4.5	11.6	13373	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 cement to surface. Drill a 8 3/4" hole to 8850', run 7" casing and cement to surface. Drill a 6 1/8" horizontal hole to 13370', run 4 1/2" liner and set using liner hanger and Peak Completion packer system.

Proposed Blowout Prevention Program

		8	
Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is to of my knowledge and belief. I further certify that the drilling pit will be const	0.0000 89.76	OIL CONSERVATION DIVISION			
NMOCD guidelines , a general permit, or an OCD-approved plan.	(attached) alternative	Approved By: Paul Kautz			
Printed Name: Electronically filed by Jerry	Sherrell	Title: Geologist			
Title: Production Clerk		Approved Date: 8/12/2010	Expiration Date: 8/12/2012		
Email Address: jerrys@mackenergycorp.com	n				
Date: 8/6/2010 Phone: 50.	5-748-1288	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 118363

Energy, Minerals and Natural Resources

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39869	2. Pool Code 97019	3. Pool Name WILDCAT ABO
4. Property Code 38273	5. Property Name HAWK STAT	6. Well No.
7. OGRID No. 13837	8. Operator Nam MACK ENERGY (

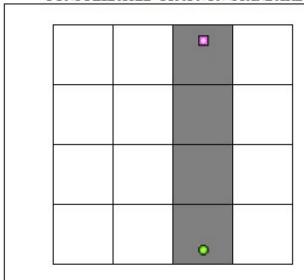
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
0	30	15S	32E	In the second of	330	S	1980	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
В	30	15S	32E	В	330	N	1980	E	LEA
	cated Acres	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: 8/6/2010

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: 7/9/2010 Certificate Number: 3239

Permit Comments

Operator: MACK ENERGY CORP, 13837

Well: HAWK STATE #002

API: 30-025-39869

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.	8/6/2010
pkautz	land state/state	8/9/2010
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-02321.	8/12/2010

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837 Well: HAWK STATE #002

API: 30-025-39869

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
DMULL	OPERATOR: Please do not report production under this temporary pool code until you have checked with the OCD District I Geoligist, Paul Kautz, and he confirms where your perfs are producing from and gives you the correct pool code.