State of New Mexico

Form C-101 Permit 59923

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

	tor Name and Address CENERGY CORP	2. OGRID Number		
egeca	13837 3. API Number			
ARI	ESIA , NM 88211	30-025-38497		
4. Property Code	5. Property Name	6. Well No.		
34552	SNAPPER STATE	015		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Н	14	16S	33E	Н	1650	N	990	E	LEA

8. Pool Information

HUME,GRAYBURG, WEST	97444
HUME;QUEEN, WEST	33560

Additional Well Information

			25001001001 11CH	111101111111111010	11	1/2	
9. Work Type New Well	37.7		11. Cable/Rotary		12. Lease Type State	13. Ground Level Elevation 4178	
14. Multiple Y	15. Prop	osed Depth	16. Formation Grayburg		17. Contractor	18. Spud Date 9/1/2007	
Depth to Ground 150	water		Distance from nearest:	fresh water well		Distance to nearest surface water	
Pit: Liner: Synthetic [Closed Loop Syste	m 🛛	mils thick	Clay Pit Volume:		ling Method: h Water Brine I	Diesel/Oil-based Gas/Air	

19. Proposed Casing and Cement Program

	Туре	Hole Size Casing Type Casing Weight/ft		Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
	Surf	12.25	8.625	24	1520	900	0
ſ	Prod	7.875	5.5	17	4500	1300	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4 hole to 1520', run 8 5/8 casing and cement. Drill a 7 7/8 hole to 4500' and test Grayburg formation, run 5 1/2 casing and cement. Note: On production string a fluid caliper will be run and will figure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

of my knowledge and belief.	ation given above is true and complete to the best Ding pit will be constructed according to	OIL CONSERVATION DIVISION					
NMOCD guidelines a ge OCD-approved plan	neral permit , or an (attached) alternative	Approved By: Paul Kautz					
Printed Name: Electronic	ally filed by Jerry Sherrell	Title: Geologist					
Title: Production Clerk		Approved Date: 8/29/2007	Expiration Date: 8/29/2008				
Email Address: jerrys@r	mackenergycorp.com	ON 2007	7/2 59				
Date: 8/28/2007	Phone: 505-748-1288	Conditions of Approval Attached					

District I

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

<u>District II</u>

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

<u>District III</u>

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 59923

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

YY.	ELL LOCATION AND ACI	MEAGE DEDICATION FLA	· **
1. API Number	2. Pool Code	3. Pool 1	Fame
30-025-38497	97444 HUME;GRAYBURG, V 5. Property Name 6. W		URG, WEST
4. Property Code			6. Well No.
34552	SNAPPER	RSTATE	015
7. OGRID No.	8. Operati	or Name	9. Elevation
13837	MACK ENE	RGY CORP	4178

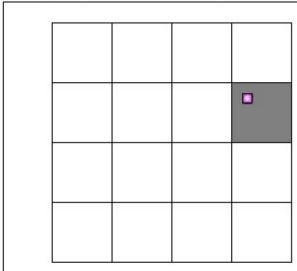
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
Н	14	16S	33E		1650	N	990	E	LEA	

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
0.500	ated Acres	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



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: 8/28/2007

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: Gary Eidson Date of Survey: 4/14/2006 Certificate Number: 12641 District I

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

<u>District II</u>

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1.777		
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30-025-38497	33560	HUME;QUEEN, WEST
4. Property Code	5. Property N	me 6. Well No.
34552	SNAPPER ST	'ATE 015
7. OGRID No.	8. Operator N	ame 9. Elevation
13837	MACK ENERG	Y CORP 4178

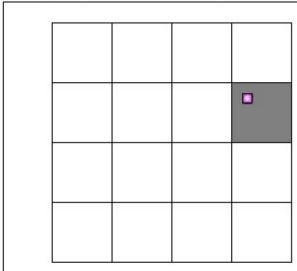
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11. Bottom Hole Location If Different From Surface

	221 DOVINGE TOUR DOVEMENT IN DESCRIPTION NAMED OF										
UL - Lot	Section	Township	Township Range		Idn	Feet From	N/S Line		Feet From	E/W Line	County
12. Dedicated Acres 40.00		13	13. Joint or Infill		14. Consolidation Code			15. Order No.			

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Surveyed By: Gary Eidson Date of Survey: 4/14/2006 Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP , 13837 Well: SNAPPER STATE #015

API: 30-025-38497

Created By	Comment	Comment Date
LDMCSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contigency plan is not required.	8/28/2007

Permit Conditions of Approval

Operator: MACK ENERGY CORP, 13837 Well: SNAPPER STATE #015

API: 30-025-38497

OCD Reviewer	Condition
IDKAUTZ	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines