<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

State of New Mexico

Form C-101 Permit 19639

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

	in the control of the principal prin						
16.00	Operator Name and Address ACK ENERGY CORP	 OGRID Number 13837 					
Aı	PO Box 960 tesia , NM 88211-0960	3. API Number 30-025-37588					
4. Property Code 35288	5. Property Name DRUM STATE	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
F	16	16S	33E	F	1650	N	1650	w	LEA

8. Pool Information

Wildcat San Andres

Additional Well Information

	90.1		THE THE PERSON NAMED IN COLUMN		THE STATE OF THE S
9. Work Type New Well	10. Well Type OIL				13. Ground Level Elevation 4235
14. Multiple	15. Proposed Depth		16. Formation	17. Contractor	18. Spud Date
N	4	600	San Andres		12/15/2005
Depth to Ground v	Depth to Ground water		Distance from nearest fresh water w	vell	Distance to nearest surface water
180		> 1000		> 1000	
it: Liner: Synthetic 🔀	12	mils thick		Drilling Method:	
Closed Loop System	<u> </u>	- 27		Fresh Water 🗙 Brine 🗀	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

0	Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
	Surf	12.25	8.625	24	1550	1100	0
	Prod	7.875	5.5	17	4600	1200	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to a 17 1/2 hole to 1550 using the Lea County Alternative run 8 5/8 casing and cement. Drill to 4600 test San Andres Zone, run 5 1/2 casing and cement. Note: On production string a fluid caliper will be run and will firgure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

Туре	Working Pressure	Working Pressure Test Pressure				
DoubleRam	2000	2000				

of my knowledge and belief. I	ation given above is true and complete to the further certify that the drilling pit will b	OIL CONSERVATION DIVISION				
constructed according to NN an (attached) alternative OC	IOCD guidelines ⊠, a general permit □, D-approved plan □.	Approved By: Paul Kautz				
Printed Name: Electronic	ally filed by Jerry Sherrell	Title: Geologist				
Title: Production Clerk		Approved Date: 12/12/2005 Expiration Date: 12/12/2006				
Email Address: jerrys@r	nackenergycorp.com	0.0				
Date: 12/8/2005	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 19639

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 30-025-37588	2. Pool Code	3. Pool Name Wildcat San Andres
4. Property Code 35288	5. Property Na DRUM STA	
7. OGRID No.	8. Operator Na	NT (877.5)
13837	MACK ENERGY	CORP 4235

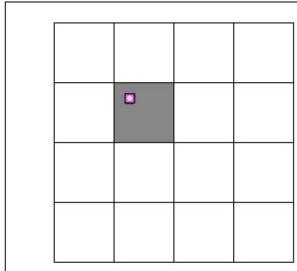
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	16	16S	33E		1650	N	1650	w	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
000000000000000000000000000000000000000	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.

E-Signed By: Jerry Sherrell Title: Production Clerk Date: 12/8/2005

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: 12/8/2005 Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP , 13837 Well: DRUM STATE #001

API: 30-025-37588

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.	12/8/2005

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837 Well: DRUM STATE #001

30-025-37588 API:

OCD Reviewer	Condition
pkautz	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
pkautz	Prior to any pit construction notify Gary Wink at 505-393-6161 ext 114