State of New Mexico

Form C-101 Permit 20434

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

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1.	Operator Name and Address	2. OGRID Number		
Iv	IACK ENERGY CORP	13837		
PO BOX 960 ARTESIA , NM 882110960	3. API Number			
111	1125111, 11111 002110700	30-015-34495		
4. Property Code	5. Property Name	6. Well No.		
23810	MESQUITE STATE	014		

7. Surface Location

ſ	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
4	K	20	17S	29E	K	2310	S	2310	W	EDDY

8. Pool Information

EMPIRE; YESO, EAST	96610
GRAYBURG JACKSON:SR-Q-G-SA	28509

Additional Well Information

			2144HWOIRH TICH THOTHE	WOIL	127
9. Work Type 10. Well Type New Well OIL 14. Multiple 15. Proposed Depth Y 4350 Depth to Ground water 110		10750	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3623
			16. Formation Yeso Formation	17. Contractor	18. Spud Date 12/21/2005
		Distance from nearest fresh water v > 1000	rell	Distance to nearest surface water > 1000	
Pit: Liner: Synthetic D Closed Loop System		mils thick	· — —	Drilling Method: Fresh Water Brine 1	Diesel/Oil-based 🗆 Gas/Air 🗙

19. Proposed Casing and Cement Program

Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	375	0
Int1	12.25	8.625	24	800	500	0
Prod	7.875	5.5	17	4350	900	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 350, run 13 3/8 casing and cement. Drill to 800, run 8 5/8 casing and cement. Drill to 4350 and test Paddock zone, run 5 1/2 casing and cement. Put well on production. Note: On production string, a fluid caliper will be run, will figure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

Š	Туре	Working Pressure	Test Pressure	Manufacturer
	DoubleRam	2000	2000	

I hereby certify that the information given about my knowledge and belief. I further certify that the drilling pit will be		OIL CONSERVATION DIVISION Approved By: Bryan Arrant				
NMOCD guidelines X, a general permit CCD-approved plan	, or an (attached) alternative					
Printed Name: Electronically filed by	y Jerry Sherrell	Title: Geologist				
Title: Production Clerk		Approved Date: 12/27/2005	Expiration Date: 12/27/2006			
Email Address: jerrys@mackenergyc	orp.com					
Date: 12/22/2005 Pho	one: 505-748-1288	Conditions of Approval Attached				

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

<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 20434

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

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

10707					
1. API Number	2. Pool Code	3. Pool Name	3. Pool Name		
30-015-34495	96610	EMPIRE; YESO, EAST			
4. Property Code	5. Property Na	me 6. Well No.			
23810	MESQUITE ST	TATE 014			
7. OGRID No.	8. Operator Na	me 9. Elevation			
13837	MACK ENERGY	CORP 3623			

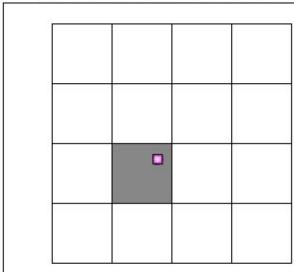
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	20	17S	29E		2310	S	2310	w	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Т	ownship	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
	ated Acres		13. 1	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: 12/22/2005

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: 12/21/2005 Certificate Number: 12641 District I

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

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30-015-34495	28509 GRAYBURG:		ACKSON;SR-Q-G-SA		
4. Property Code	5. Property	y Name	6. Well No.		
23810	MESQUITE STATE 8. Operator Name		014		
7. OGRID No.			9. Elevation		
13837	MACK ENER	3623			

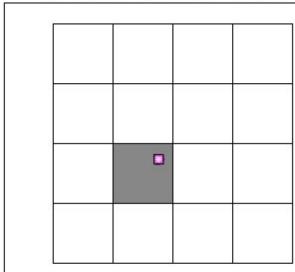
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	ALI DOVINGE LIVE DOVEMBER IN DESCRIPTION NAMEDO										
UL - Lot	Section	Township	ownship Range		dn	Feet From	N/S Line		Feet From	E/W Line	County
12. Dedicated Acres 40.00		13	13. Joint or Infill		14. Consolidation Code			15. Order No.			

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Surveyed By: Gary Eidson Date of Survey: 12/21/2005 Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP, 13837
Well: MESQUITE STATE #014
API: 30-015-34495

Created By	Comment	Comment Date
DWSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	12/21/2005

Permit Conditions of Approval

Operator: MACK ENERGY CORP, 13837 Well: MESQUITE STATE #014 API: 30-015-34495

OCD Reviewer	Condition	
BArrant	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	
BArrant	As noted, operator to drill surface hole w/fresh water mud.	