

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 181939

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211		2. OGRID Number 13837
4. Property Code 40408		3. API Number 30-015-42086
5. Property Name Paradise Fee		6. Well No. 001

7. Surface Location

UL - Lot	G	Section	12	Township	23S	Range	27E	Lot Idn		Feet From	1650	N/S Line	N	Feet From	2090	E/W Line	E	County	Eddy
----------	---	---------	----	----------	-----	-------	-----	---------	--	-----------	------	----------	---	-----------	------	----------	---	--------	------

8. Proposed Bottom Hole Location

UL - Lot	G	Section	12	Township	23S	Range	27E	Lot Idn	G	Feet From	1650	N/S Line	N	Feet From	2090	E/W Line	E	County	Eddy
----------	---	---------	----	----------	-----	-------	-----	---------	---	-----------	------	----------	---	-----------	------	----------	---	--------	------

9. Pool Information

CASS DRAW;BONE SPRING	10380
-----------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3063
16. Multiple N	17. Proposed Depth 9500	18. Formation Bone Spring	19. Contractor	20. Spud Date 2/28/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	470	0
Int1	12.25	9.625	36	2100	725	0
Prod	8.75	7	26	9500	1120	0

Casing/Cement Program: Additional Comments

Mack Energy Corporation proposes to drill a 17 1/2" hole to 400', run 13 3/8" casing and cement. Drill a 12 1/4" hole to 2100', run 9 5/8" casing and cement. Drill a 8 3/4" hole to 9500', run 7" casing and cement. Put well on production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 2/21/2014	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 2/25/2014 Expiration Date: 2/25/2016 Conditions of Approval Attached
Phone: 505-748-1288	

Surveyed By: Filimon Jaramillo
Date of Survey: 2/10/2014
Certificate Number: 12797

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments
Permit 181939

PERMIT COMMENTS

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-015-42086
		Well: Paradise Fee #001
Created By	Comment	Comment Date
DWEAVER	H2S Concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	2/21/2014
CSHAPARD	Land p/P	2/24/2014

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-8161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions
 Permit 181939

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-015-42086
		Well: Paradise Fee #001
OCD Reviewer	Condition	
CSHAPARD	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	