

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

RECEIVED

Form C-1
May 27, 20

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

NOV 27 2006 to appropriate District Office

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

AMENDED REPOF

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

¹ Operator Name and Address Chaparral Energy, LLC 701 Cedar Lake Blvd. Oklahoma City, OK 73114		² OGRID Number 004115
		³ API Number 30 - 053 20012
³ Property Code	⁵ Property Name Cathead Mesa Unit	⁶ Well No. 1
⁹ Proposed Pool 1 Atoka		¹⁰ Proposed Pool 2 Abo

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	8	4S	9E		2310	South	1650	West	Socorro

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code C	¹³ Cable/Rotary Completion	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6264
¹⁶ Multiple No	¹⁷ Proposed Depth 6180'	¹⁸ Formation Pennsylvania	¹⁹ Contractor	²⁰ Spud Date 12/18/06
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls		Drilling Method: Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		
Closed-Loop System <input checked="" type="checkbox"/>				

21 Proposed Casing and Cement Program (in place from previous completion)

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	61#	1120'	1010	surface
12 1/4"	9 5/8"	40#	3900'-1680'	1200	unknown
7 7/8"	5 1/2"	14#	4359'	615	3040'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill out cement plugs in 5 1/2" casing. Test Abo, Silt and PreCambrian zones individually for production capability.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: *Leigh Kuykendall*

Printed name: Leigh Kuykendall

Title: Sr. Engineering Tech

E-mail Address: leighk@chaparralenergy.com

Date: 11/22/06

Phone: 405-426-4411

OIL CONSERVATION DIVISION

Approved by:

Ed Martin

Title:

DISTRICT SUPERVISOR

Approval Date: 11-30-06

Expiration Date: 11-30-07

Conditions of Approval Attached ☐

RECEIVED

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-053-20012	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name Cathead Mesa Unit	⁶ Well Number 1
⁷ OGRID No. 004115	⁸ Operator Name Chaparral Energy, LLC	⁹ Elevation 6264'

¹⁰ Surface Location

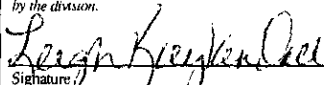
UL or lot no. K	Section 8	Township 4S	Range 9E	Lot Idn	Feet from the 2310	North/South line South	Feet from the 1650	East/West line West	County
--------------------	--------------	----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated 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.

¹⁶				¹⁷ OPERATOR CERTIFICATION <i>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 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.</i>  Signature _____ Date 11/2/96 Leigh Kuykendall Printed Name
1650'				¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 7/11/96 Date of Survey Signature and Seal of Professional Surveyor: Original survey by P.R. Patton 7/11/96 Certificate Number

RECEIVED

NOV 21 2006

November 22, 2006

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

Mr. Ed Martin
State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM

Re: Cathead Mesa Unit #1
Socorro Co., NM

Dear Mr. Martin:

Enclosed is an original plus four copies of Form C-101 and C-102 for Chaparral's proposed re-entry of the subject well.

Please make whatever changes are necessary to reflect that Chaparral Energy, LLC, is now the operator of this well.

Thank you for your assistance. Please call me at (405) 426-4411 if you have questions or need more information.

Sincerely,

CHAPARRAL ENERGY, LLC



Leigh Kuykendall
Sr. Engineering Tech

