

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

Form C-101  
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

Operator Name and Address Chaparral Energy, LLC 701 Cedar Lake Blvd. Oklahoma City, OK 73114		OGRID Number 004115
Property Code 027317		API Number 30 - 025-20931
Property Name H.H. Harris		Well No. 2-39
Proposed Pool 1 Wolfcamp		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	35	12S	38E		650	South	1800	East	Lea

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

Work Type Code P	Well Type Code O	Cable/Rotary	Lease Type Code S	Ground Level Elevation 3788'
Multiple No	Proposed Depth 9700' CIBP	Formation Wolfcamp	Contractor Key Energy	Spud Date
Depth to Groundwater 69'		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: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	23.72	519'	500	Surface
12 1/4"	8 5/8"	24	4630'	600	Surface
7 7/8"	3 1/2"	9.2	11847'	1200	5985'
7 7/8"	2 7/8"	6.5	11846'	1200	

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.

Presently producing 10 BOPD from the Devonian formation. Propose to recomplete to Wolfcamp formation. (1.) MIRU Completion Unit. Remove horse head and POOH w/rods and pump. Lay down rods, send to yard to be inspected. (2.) Install 3000 psi BOP. Release tubing anchor and POOH w/2-3/8" tubing. (3.) PU overshot and jars, RIH on 2-3/8" tubing. Tag fish @ 11814'. Jar anchor loose and POOH w/tubing and fish. (4.) RU perforators and perforate the 3-1/2" casing w/2 JSPF DPJSPF (oriented away from the second casing string) as follows: 9446', 9450', 9456' 9458', 9472', 9473', 9482', 9483', 9489', 9491' 9522', 9523', 9525', 9532', 9542', 9544', 9546', 9548', 9550', 9562', 9564', 9565', 9589', 9590'. (5.) Set 3-1/2" CIBP @ 9700'. RD perforators. (6.) PU 3-1/2" packer and RIH on 2-3/8" tubing down to 9410', set packer. (7.) RU acid company and acidize the Wolfcamp formation w/4500 gal 15% HCL 90/10, 50 ball sealers and 1500 gal 15% HCL 90/10. Pumped at 6 BPM and 4000 psi. (8.) Flow and swab the load back. Release packer and POOH w/tbg and packer. Lay down tubing and packer. (9.) Move in 9700' 2-3/8" 4.7# L-80 CS Hydril internally ceramic coated. (10.) PU mud anchor, perforated sub, 1 25/32" SN, 300' 2-3/8" tubing, 3-1/2" TAC and remaining 2-3/8" tubing. Set EOT @ 9650'. (11.) Remove BOP and install dual wellhead. (12.) PU 2" x 1-1/2" x 24' RHBC pump and RIH on 2950' 7/8" Norris 97 & 6700' 3/4" Norris 97 rods. Hang well on. (13.) Rig down completion rig. Start Wolfcamp pumping. (14.) Report production to Odessa office.

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 ☐.

Printed name: Traci Cornish

Title: Engineering Tech

E-mail Address: traci@chaparralenergy.com

Date: 05/18/06

Phone: (405)478-8770

OIL CONSERVATION DIVISION


Approved by:


Title: PETROLEUM ENGINEER

Approval Date: MAY 30 2006

Expiration Date:

Conditions of Approval Attached ☐

16					<b>17 OPERATOR CERTIFICATION</b> <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>  <div style="display: flex; justify-content: space-between;"><div></div><div>05/11/2006</div></div> <div style="display: flex; justify-content: space-between;"><div>Signature</div><div>Date</div></div> <div>Traci Cornish</div> <div>Printed Name</div>
					<b>18 SURVEYOR CERTIFICATION</b> <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>  Date of Survey  Signature and Seal of Professional Surveyor:   <div style="display: flex; justify-content: space-between;"><div>Certificate Number</div></div>

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Thu 5/25/2006 8:39 AM

Apache has to submit 3 one well bonds

All the rest have blanket bonds and do not appear on Jane's list.

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**From:** Mull, Donna, EMNRD  
**Sent:** Thursday, May 25, 2006 8:23 AM  
**To:** Phillips, Dorothy, EMNRD  
**Cc:** Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirements for these Operators OK?

Cimarex Energy Co Of Colorado (162683)  
Marbob Energy Corp (14049)  
Apache Corp (873)  
Texland Petroleum-Hobbs LLC (113315)  
Pride Energy Co (151323)  
Platinum Exploration Inc (227103)  
Chaparral Energy LLC (4115)  
Range Operating New Mexico Inc (227588)

I have checked the inactive list for each Operator.

Please let me know. Thanks and have a nice day. Donna