

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1501 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**

¹ Operator Name and Address CHEVRON MIDCONTINENT, L.P. 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID Number 241333
³ Property Code 302758	⁵ Property Name GENERAL G STATE	³ API Number 30 - 025-30865
⁹ Proposed Pool 1 MONUMENT Paddock 47080		⁶ Well No. 3
¹⁰ Proposed Pool 2		

Surface Location

UL or lot no. D	Section 16	Township 20-S	Range 37-E	Lot Idn	Feet from the 525	North/South line NORTH	Feet from the 600	East/West line EAST	County LEA
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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
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation
¹⁶ Multiple NO	¹⁷ Proposed Depth 7797'	¹⁸ Formation Paddock	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Closed-Loop System <input checked="" type="checkbox"/> Drilling Method: 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

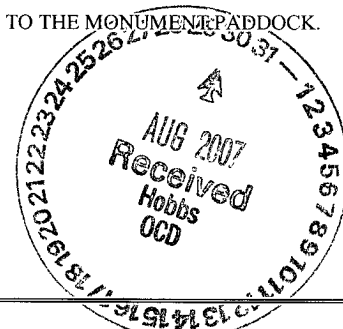
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

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.

CHEVRON MIDCONTINENT, L.P. INTENDS TO RECOMPLETE THE SUBJECT WELL FROM THE GRAYBURG TO THE MONUMENT Paddock.

THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
plugback



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:

Denise Pinkerton

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: leakejd@chevron.com

Date: 8-29-2007

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title: **OC DISTRICT SUPERVISOR/GENERAL MANAGER**

Approval Date: **AUG 31 2007** Expiration Date:

Conditions of Approval Attached ☐

General G State #3
Monument Field
T20S, R37E, Section 16
30-025-30865

08/23/2007

Job: Test Paddock Potential and Squeeze Grayburg

Scope: This workover is an attempt to test the Paddock in the General G #3. We would like to test the Paddock before squeezing the Grayburg formation. The Grayburg will be squeezed if the Paddock proves to be economical.

Procedure:

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 8/23/2007. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. POH w/ 2-7/8" tbg and ESP. Stand back 2-7/8" tubing and LD ESP.
4. PU and GIH with 4 3/4" MT bit, 2-7/8" production tbg, and WS as needed to 5465'. Circulate well clean from 5515' using 8.6 PPG cut brine water, if possible. POH with 2-7/8" tbg string and bit. LD bit.
5. PU and GIH with 5-1/2" packer on 3-1/2" tubing to 5000'. Verify that the minimum I.D. is not less than 2.31". Set @ +/- 5000' (isolate Grayburg perms behind pipe).
6. MI & RU WL. Install lubricator and test to 2000 psi.
7. GIH with 2-1/8" strip gun and perforate the following intervals with 4 JSPF at 120 degree phasing using 23 gram premium charges:

Top Perf	Bottom Perf	Net Feet	Total Holes
5181	5189	8	32
5192	5202	10	40

Note: Use Halliburton Gamma Dual Spaced Neutron Log dated 6/29/1994 for depth correction.

8. POH. RD and release WL.

9. MI & RU DS Services. Acidize perfs 5181'-5202' with **2,000 gal** of 15% NEFE HCl acid* at a maximum rate of **1/2 BPM** and a maximum surface pressure of **4000 psi**.

Displace acid with 8.6 PPG cut brine water -- do not over displace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services.

* Acid system to contain:

1 GPT A264	Corrosion Inhibitor
8 GPT L63	Iron Control Agents
2 PPT A179	Iron Control Aid
20 GPT U66	Mutual Solvent
2 GPT W53	Non-Emulsifier

10. Leave well SI 3 hrs for the acid to spend. Open well and flow/swab back spent treatment fluids. Recover 100% of spent acid and load if possible. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Test reactivity of recovered acid load while swabbing. If acid is not spent, leave well SI additional time as required.**

11. TOH w/ tbg and pkr. LD 3-1/2" tbg and pkr.

12. **If paddock zone proves to be economical, existing Grayburg perfs will be squeezed. RIH with pkr and RBP. Set RBP at 4000' and top with 20' of sand. Set pkr @ 3000' and establish an injection rate into Grayburg perfs from 3521'-3830'. NOTE: Sqz job will be designed based on Grayburg injection rate/pressure. Notify engineering of injection results.**

13. **Squeeze perfs as per SLB recommendation. Drill out cement, pressure test sqz perfs to 500#, release RBP and POH.**

14. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt. 2 7/8" EUE 8R J-55 IPC tbg, 4 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 164 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5095', with EOT at 5290' and SN at 5253'.

15. NDBOP. NUWH. RIH w/ rods and pump per ALS.

16. RD Key PU & RU. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Engineer – Richard Jenkins
432-687-7120 Office
505-631-6455 Cell
814-282-7723 Home

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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 30-025-30865	² Pool Code 47080	³ Pool Name Monument Paddock
⁴ Property Code 302758	⁵ Property Name General G State	⁶ Well Number 3
⁷ OGRID No. 241333	⁸ Operator Name Chevron Midcontinent, L P.	⁹ Elevation

¹⁰ Surface Location

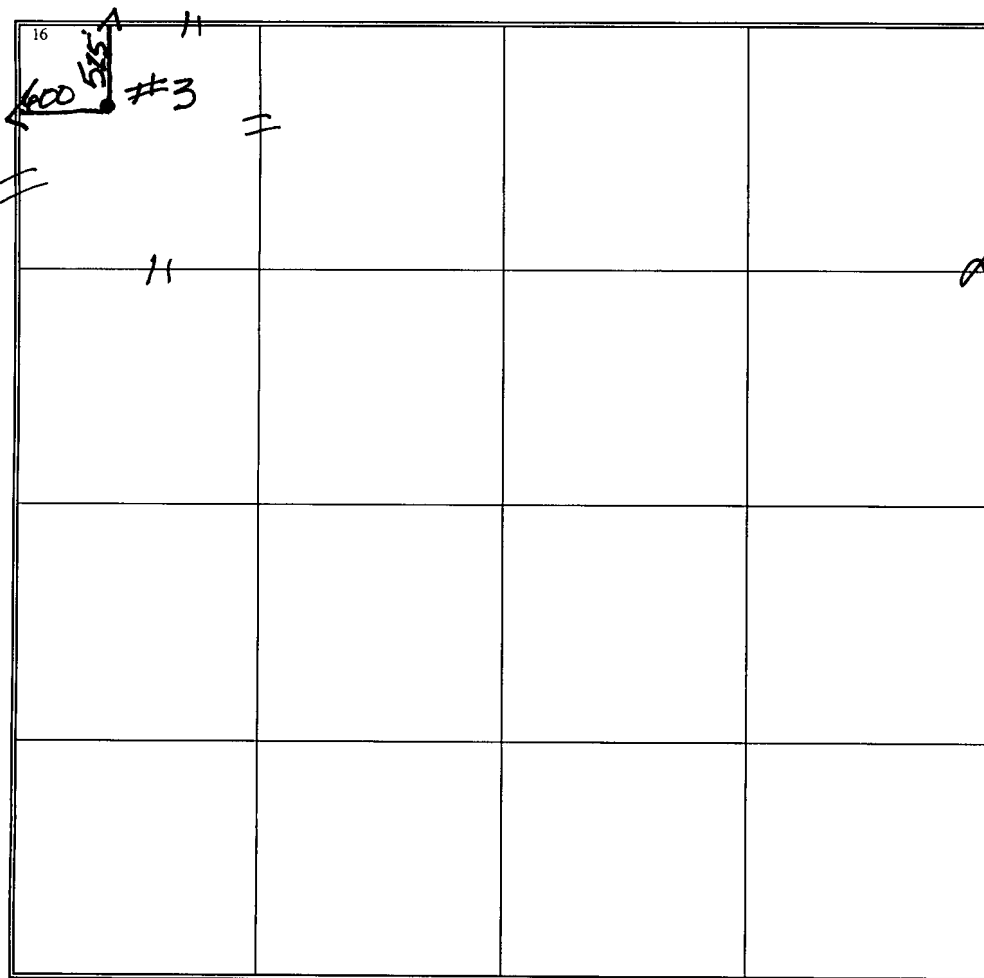
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p><i>Denise Pinkerton</i> 8-29-2007 Signature Date</p> <p>DENISE PINKERTON REGULATORY SPECIALIST Printed Name</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p>
	Certificate Number