

District I
1625 N. French Dr., Hobbs, NM 88241
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

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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-101
June 16, 2008

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 CML EXPLORATION, LLC P.O. Box 890 Snyder, Texas 79550 | | ² OGRID Number 256512 |
| ³ Property Code 38477 | | ⁴ Property Name BRYAN |
| ⁵ Proposed Pool 1 PEARL; QUEEN | | ⁶ Well No. 1 |
| ⁷ Surface Location | | ⁸ Proposed Pool 2 |

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 13 | 19S | 35E | B | 660 | N | 1980 | E | LEA |

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

| | | | | |
|-----------------------------------|---------------------------------------|----------------------------------|--|---|
| ¹¹ Work Type Code E | ¹² Well Type Code OIL | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code P | ¹⁵ Ground Level Elevation 3733' |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 5100' | ¹⁸ Formation QUEEN | ¹⁹ Contractor Kanex Well Service | ²⁰ Spud Date 3/01/2011 |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17.5" | 13.325" | 54.5 | 400' | 450 | 0 |
| 11" | 8.625" | 32 | 4133' | 1900 | 915' TS |
| 7.875" | 5.5" | 15.5 & 17 | 11250' | 1600 | 2725' TS |
| | | | | | |
| | | | | | |

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.

Re-enter well, drill out cement plugs down to 5,100' and test the Queen formation. See attached wellbore diagram.

BOP will be a double ram Shaffer rated for 3000 psi.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**
Re-Entry

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name: Nolan von Roeder

Title: Engineer

E-mail Address: vonroederu@cmlexp.com

Date: 2/7/2011

Phone: 325-573-1938

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: FEB 10 2011

Expiration Date:

Conditions of Approval Attached ☐

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State of New Mexico

Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|--|--|
| ¹ API Number 30-025-28598 | ² Pool Code 49780 | ³ Pool Name PEARL: QUEEN |
| ⁴ Property Code 38472 | ⁵ Property Name BRYAN | ⁶ Well Number Y |
| ⁷ OGRID No. 256512 | ⁸ Operator Name CML EXPLORATION, LLC | ⁹ Elevation 3733' |

¹⁰ Surface Location

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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 13 | 19S | 35E | | 660 | NORTH | 1980 | EAST | LEA |

¹¹ Bottom Hole Location If Different From Surface

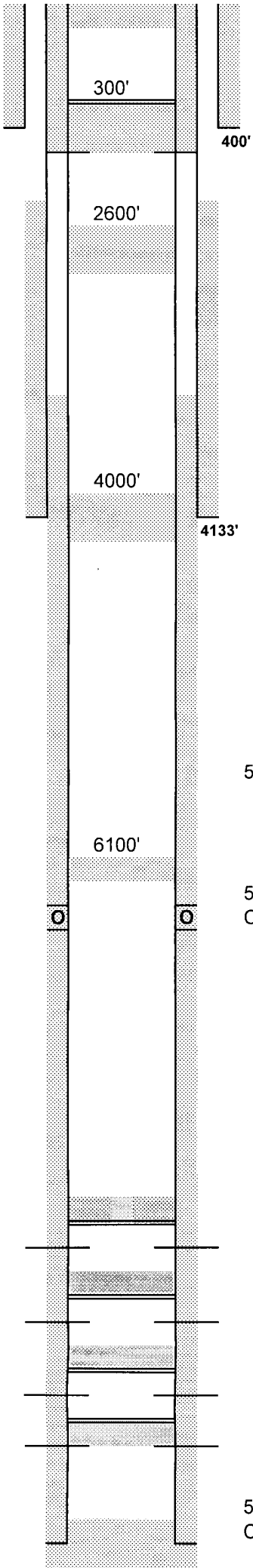
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 40 | 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 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. Signature _____ Date 2/07/2011 Nolan von Roeder Printed Name vonroedern@cmlexp.com E-mail Address | |
| | ¹⁸ 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. | |
| | Date of Survey _____ Signature and Seal of Professional Surveyor: _____ | |
| | Certificate Number _____ | |

CML EXPLORATION, LLC



RKB
GL 3733.1'

Lease & Well No.: **Bryan # 1 Re-Entry**
Well Category:
Area: **New Mexico**
Subarea: **Pearl Penrose**
Legal Description: **API #30-025-28598**
B, 660' FNL, 1980' FEL, Sec 13, T-19-S, R-35-E
Lea County, NM

17½" hole
13 3/8" 54.5# J55
set @ 400'
450 sx cement

Spudded: **02/11/1984**
TD: **03/22/1984**
Completed: Plugged **09/22/1984**

Stimulation: _____

11" hole
8 5/8" 32# J-55
set @ 4133'
1900 sx cement.
TOC = 915' temp survey

PRESSURE DATA

5½" TOC = 2,725' (TS)

5½" DV Tool @ 6,985'
Cmt'd 2nd Stage w/ 775 sx

Production Tbg

OLD Perfs

CIBP @ 8,250' + 100' Cement
8,318 - 34' 4 spf

CIBP @ 10,200' + 35' Cement
10,294 - 10,350' 4 spf

CIBP @ 10,600' + 35' Cement

10,768 - 10,822' 4 spf
CICR @ 10,832' Sqz w/ 150 sx
10,836 - 68' 4 spf

5 1/2" 17& 15.5 # N80 & K55 @ 11,250'
Cmt'd 1st Stage w/ 825 sks

PBTD:
TD: 11,250'