

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 199

Instructions on bac

Submit to Appropriate District Office

State Lease - 6 Copie

Fee Lease - 5 Copie

☐ AMENDED REPORT

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

| | | |
|---|---|--|
| ¹ Operator Name and Address CHEVRON USA INC 15 SMITH ROAD, MIDLAND, TX 79705 | | ² OGRID Number 4323 |
| ⁴ Property Code 2701 | ⁵ Property Name MARK OWEN | ³ API Number <i>07005</i> 30-025- 12450 |
| | | ⁶ Well No. 6 |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| O | 34 | 21-S | 37-E | | 554' | SOUTH | 2086' | EAST | LEA |

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 |
|--|---------|----------|-------|---------|-------------------------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| ⁹ Proposed Pool 1 ✓ PENROSE SKELLY, GRAYBURG 50350 | | | | | ¹⁰ Proposed Pool 2 | | | | |

| | | | | |
|-----------------------------------|-----------------------------------|--|------------------------------------|---------------------------------------|
| ¹¹ Work Type Code P | ¹² Well Type Code O | ¹³ Rotary or C.T. ROTARY | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation |
| ¹⁶ Multiple No | ¹⁷ Proposed Depth | ¹⁸ Formation GRAYBURG | ¹⁹ Contractor | ²⁰ Spud Date 12/20/2004 |

²¹ Proposed Casing and Cement Program

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 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 U.S.A. INC. INTENDS TO RECOMLETE THE SUBJECT WELL FROM THE BLINEBRY OIL & GAS POOL TO THE PENROSE SKELLY GRAYBURG RESERVOIR. THE INTENDED PROCEDURE AND CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

WE WILL UTILIZE A STEEL FRAC TANK INSTEAD OF A PIT FOR THIS WORKOVER. **

MIRU KEY. TIH W/PKR & RBP. SET RBP @ 5100. PU 1 JT & SET PKR. REL PKR & SPOT 20' SAND ON RBP. RUN GR/CCL FR 2500-5100. RUN CBL/CCL LOG FR 5100-100' ABOVE CMT TOP. PERF PICKED INTERVALS. TIH W/PPI PKR. ACIDIZE PERFS W/15% NEFE HCL. REL PKR & PU ABOVE TOP PERF. RU SWAB. TIH W/FRAC PKR & SET @ 3600. FRAC W/66,000 GALS YF130, 138,000 LBS 16/30 SAND. FLUSH TO TOP PERF. REL PKR. TIH W/BIT TO 3900. TIH W/2 7/8" PROD TBG. TIH W/RDS & PMP. RIG DOWN. TURN WELL OVER TO PRODUCTION.

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature

Printed Name Denise Leake

Title Regulatory Specialist

Date 12/10/2004

Telephone 915-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

PETROLEUM ENGINEER

DEC 16 2004

Well: Mark Owen #6

Field: Blinebry O&G

Reservoir: Blinebry

Location:
554' FSL & 2088' FEL
Section: 34
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL:
KB:
DF:

Squeeze Perfs
820', 1230', 2780'

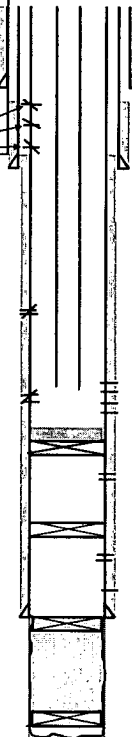
Paddock Perfs Sqz'd
5148'-5168'

Blinebry Perfs Sqz'd
5510'-5700'

COTD:
PBTD:
TD: 6552'

Updated: 12/7/2004

Current Wellbore Diagram



By: Keith Lopez

Well ID Info:
Chemco: FB3104
API No: 30-025-12158
L5/L6: UCU463300
Spud Date:
Compl. Date: 11/47

Surf. Cag: 13 3/8" Cag
Set @ 309' w/ 300 ska
Hole Size:
Circ: Yes TOC: Surface
TOC By: Circulated

Intermed. Cag: 9 5/8" 36H. H-40
Set @ 2900' w/ 1300 ska
Hole Size:
Circ: No TOC: 1600'
TOC By: Temperature Survey

Blinebry Perfs Open
5504'-5814'

CIBP @ 5923' w/ 10' cmt

Tubb Perfs
5930'-6166'

CIBP @ 6305'

Drinkard Perfs
6352'-6468'

Prod. Cag: 7" 23H. J-55
Set @ 6475' w/ 700 ska
Hole Size:
Circ: No TOC: 2830'
TOC By: Temperature Survey

Drinkard OH Interval from 6475'-6552'
3/4"X1.5" Sucker Rod
Drop Bar in BPMA

Well: **Mark Owen #6**

Field: **Penrose Skelly**

Reservoir: **Grayburg**

Location:
554' FSL & 2086' FEL
Section: 34
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL:
KB:
DF:

Squeeze Perfs
820', 1230', 2780'

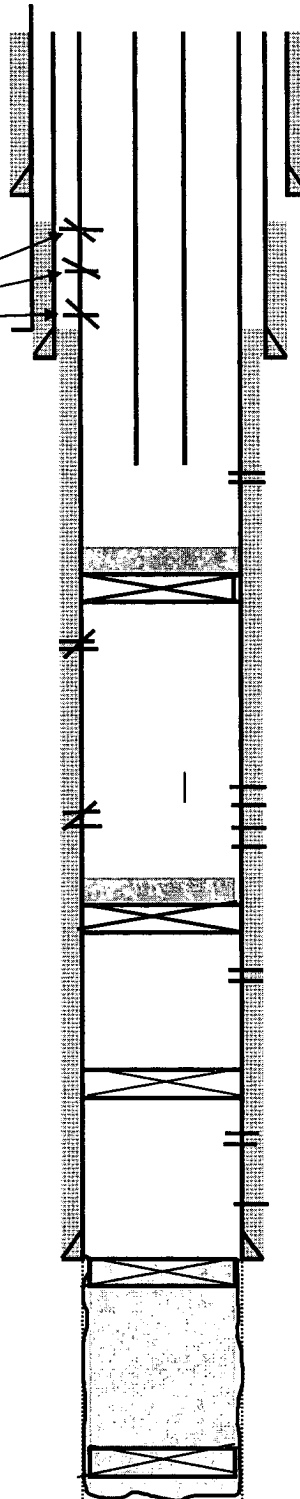
Paddock Perfs Sqz'd
5148'-5166'

Blinebry Perfs Sqz'd
5510'-5700'

COTD:
PBSD:
TD: 6552'

Updated: 12/7/2004

Proposed
Wellbore Diagram



Well ID Info:
Chevno: FB3104
API No: 30-025-12158
L5/L6:
Spud Date:
Compl. Date: 11/47

Surf. Csg: 13 3/8" Csg
Set: @ 309' w/ 300 sks
Hole Size:
Circ: Yes **TOC:** Surface
TOC By: Circulated

Intermed. Csg: 9 5/8", 36#, H-40
Set: @ 2900' w/ 1300 sks
Hole Size:
Circ: No **TOC:** 1600'
TOC By: Temperature Survey

Grayburg Perfs Open
3650'-3800'

RBP @ 5100' w/ 20' sand

Blinebry Perfs Open
5504'-5814'

CIBP @ 5923' w/ 10' cmt

Tubb Perfs
5930'-6166'

CIBP @ 6305'

Drinkard Perfs
6352'-6468'

Prod. Csg: 7", 23#, J-55
Set: @ 6475' w/ 700 sks
Hole Size:
Circ: No **TOC:** 2830'
TOC By: Temperature Survey

Drinkard OH Interval from 6475-6552'
3/4"X1.5' Sucker Rod
Drop Bar in BPMA

By: Keith Lopez

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Form C-102

Revised February 10, 1999

Instructions on back

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State Lease - 4 Copie

Fee Lease - 3 Copie

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|---|--|---|--|---|----------------------------|
| ¹ API Number 30-025- 42458 07005 | | ² Pool Code 50350 | | ³ Pool Name PENROSE SKELLY GRAYBURG | |
| ⁴ Property Code 2701 | | ⁵ Property Name MARK OWEN | | | ⁶ Well No. 6 |
| ⁷ OGRID Number 4323 | | ⁸ Operator Name CHEVRON USA INC | | | ⁹ Elevation |

¹⁰ Surface Location

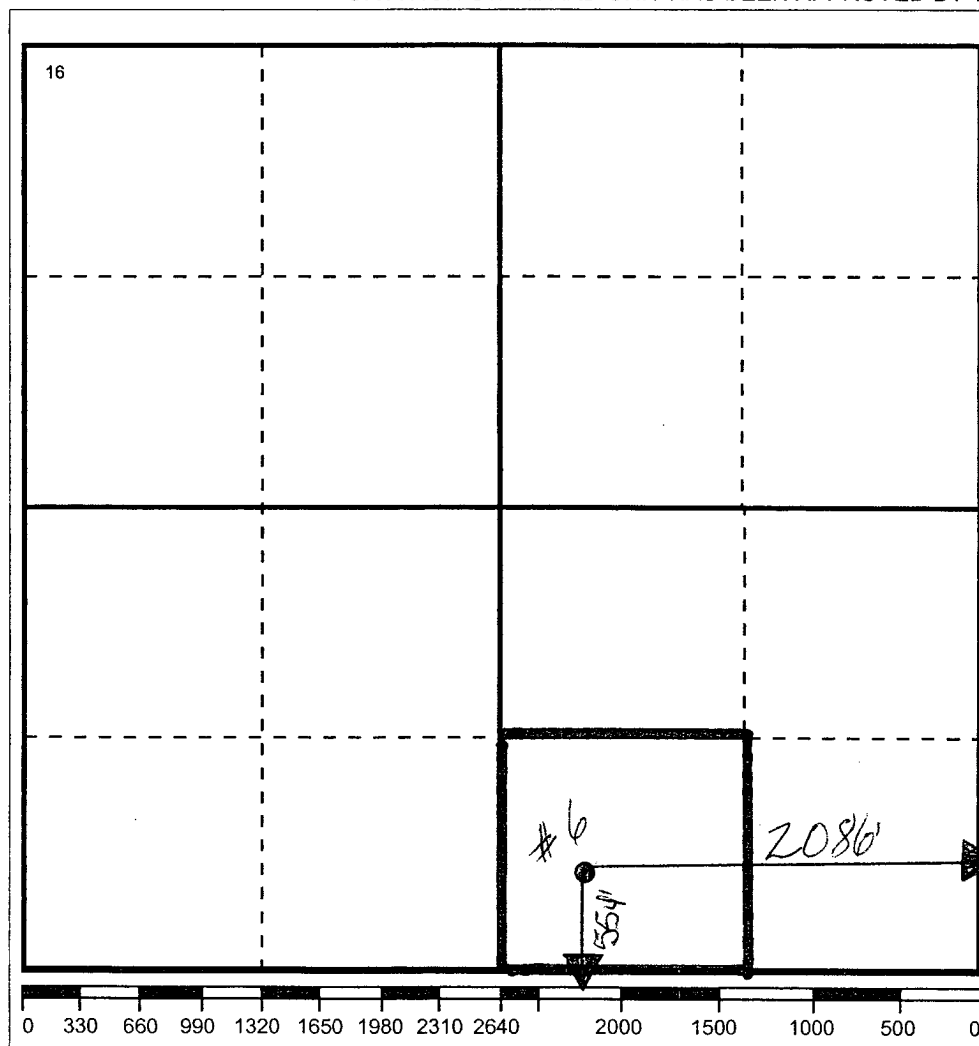
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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|------------------------------------|-------------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acre 40 | ¹³ Joint or Infill No | 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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Printed Name

Denise Leake

Positio

Regulatory Specialist

Date

12/10/2004

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 knowledge and belief.

Date Surveyed

Signature & Seal of

Professional Surveyor

Certificate No.