

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

Form C-101

Revised February 10, 1999

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☐ AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

¹ Operator Name and Address CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705		² OGRID Number 4323
⁴ Property Code 2683	⁵ Property Name H.T. MATTERN NCT-C	³ API Number 30-025-25112
		⁶ Well No. 8

⁷ Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	18	21-S	37-E		660'	NORTH	447'	EAST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface

UI 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					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3484'
¹⁶ Multiple No	¹⁷ Proposed Depth 7291'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 2/21/2005

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 RECOMPLETE THE SUBJECT WELL FROM THE WANTZ ABO POOL TO THE PENROSE SKELLY GRAYBURG RESERVOIR. A PIT WILL NOT BE USED FOR THE RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED. THE CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL. THE INTENDED PROCEDURE IS AS FOLLOWS:

1) MIRU. 2) TIH W/BIT TO 5500. 3) TIH W/RBP & PKR. SET RBP @ 5470. SET PKR @ 5440. SPOT 20' SAND ON TOP OF RBP. 4) RUN GR/CBL/CCL LOG FR 2500-4500. 5) PERF FR 3717-22, 3727-29, 3734-37, 3743-52, 3777-85, 3811-15, 3820-24, 3832-37, 3850-56, 3886-94, 3898-3901, 3918-24, 3946-49. 6) TIH W/PKR. 7) ACIDIZE PERFS 3717-3949 W/2600 GALS 15% NEFE HCL. 8) REL PKR & PU ABOVE TOP PERF. RU SWAB. 9) TIH W/PKR & SET @ 3600. INSTL FRAC HEAD. 10) FRAC W/67,000 GALS YF130 & SAND. 11) RU SWAB. REL PKR. TIH W/BIT & TAG FOR FILL. 12) TIH W/2 7/8" PROD TBG. TIH W/PMP & RODS. 13) 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

Denise Pinkerton

Printed Name

Denise Pinkerton

Title Regulatory Specialist

Date 2/14/2005

Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

PETROLEUM ENGINEER

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached

FEB 18 2005

Well: H. T. Mattern (NCT-C) # 8

Field: Wantz

Reservoir: Abo

Location:
660' FNL & 447' FEL
Section: 18
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3484'
KB: 3498'
DF: 3497'

Current
Wellbore Diagram

Well ID Info:
Chevno: EO6538
API No: 30-025-25112
L5/L6: U523700
Spud Date: 10/22/75
Compl. Date: 12/8/75

Surface Csg: 8 5/8", 24#, K-55
Set: @ 1278' w/ 500 sks
Hole Size: 11"
Circ: Yes TOC: Surface
TOC By: Circulated

Tbg Detail:

Perfs:	Status:
5507-09'	Blinebry - Sqz'd
5575-77'	Blinebry - Sqz'd
5638-40'	Blinebry - Sqz'd
5693-95'	Blinebry - Sqz'd
5762-64'	Blinebry - Sqz'd
5800-02'	Blinebry - Sqz'd

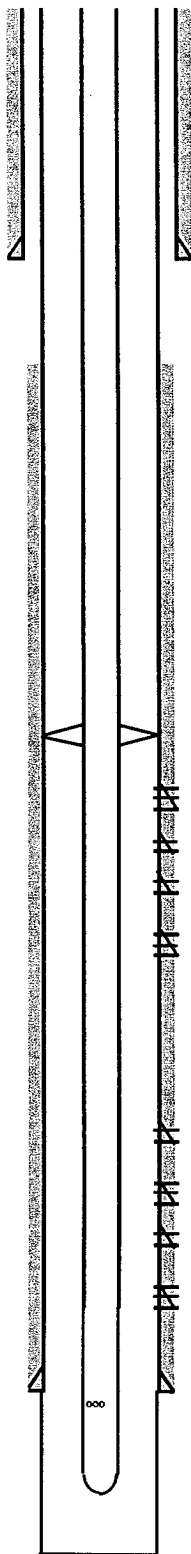
6464-66'	Drinkard - Sqz'd
6510-12'	Drinkard - Sqz'd
6596-98'	Drinkard - Sqz'd
6634-36'	Drinkard - Sqz'd
6658-60'	Drinkard - Sqz'd
6679-81'	Drinkard - Sqz'd
6706-08'	Drinkard - Sqz'd

COTD: 7291'
PBTD: 7291'
TD: 7291'

Updated: 2/7/2005
By: Keith Lopez

Prod. Csg: 5 1/2", 15.5#, K-55
Set: @ 6795' w/ 750 sks
Hole Size: 7 7/8"
Circ: No TOC: 2260'
TOC By: Temperature Survey

Open-Hole
6795'-7291' ABO



Well: H. T. Mattern (NCT-C) # 8

Field: Penrose Skelly

Reservoir: Grayburg

Location:
660' FNL & 447' FEL
Section: 18
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3484'
KB: 3498'
DF: 3497'

Proposed
Wellbore Diagram

Well ID Info:
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API No: 30-025-25112
L5/L6: UCU491800
Spud Date: 10/22/75
Compl. Date: 12/8/75

Surface Csg: 8 5/8", 24#, K-55
Set: @ 1278' w/ 500 sks
Hole Size: 11"
Circ: Yes TOC: Surface
TOC By: Circulated

Perfs: Status:
3717'-3949' Grayburg - Open

Tbg Detail:

RBP @ 5470 w/ 20 sand

Perfs:	Status:
5507-09'	Blinbry - Sqz'd
5575-77'	Blinbry - Sqz'd
5638-40'	Blinbry - Sqz'd
5693-95'	Blinbry - Sqz'd
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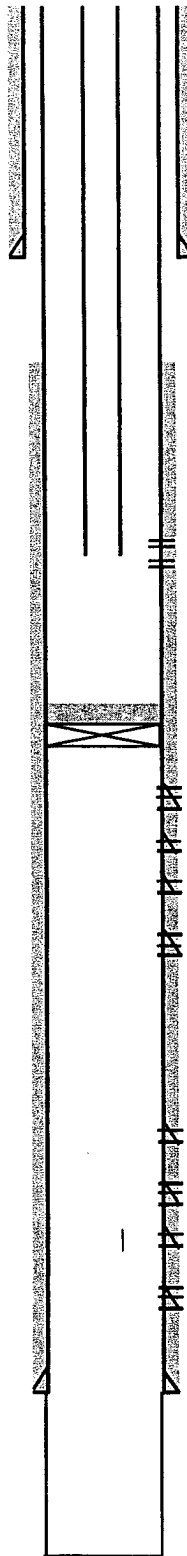
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-25112	² Pool Code 50350	³ Pool Name PENROSE SKELLY GRAYBURG
⁴ Property Code 2683	⁵ Property Name H.T. MATTERN NCT-C	⁶ Well No. 8
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3484'

¹⁰ Surface Location

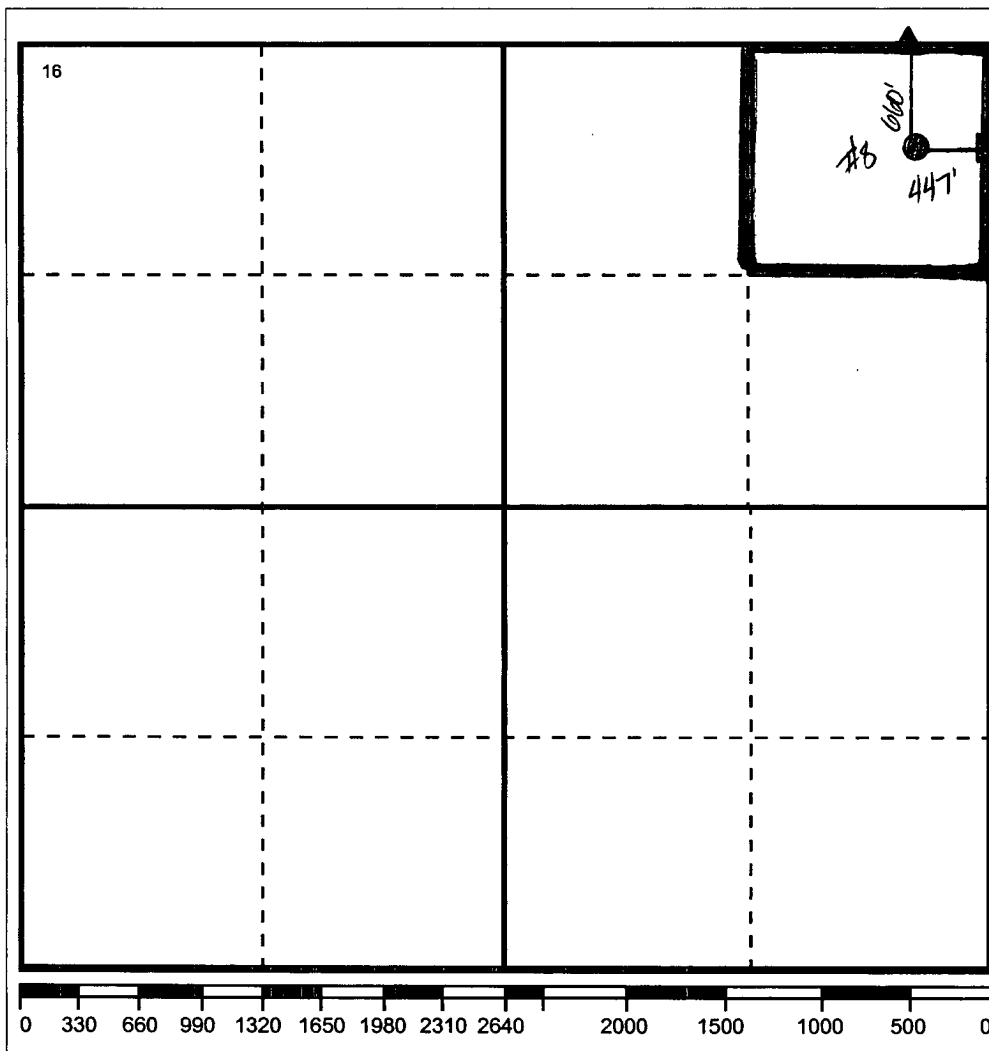
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¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

¹² Dedicated Acre 40	¹³ Joint or Infill No	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



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 Pinkerton

Position

Regulatory Specialist

Date

2/14/2005

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.