

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, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copy
Fee Lease - 5 Copy
☐ 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 RD, MIDLAND, TX 79705		² OGRID Number 4323
⁴ Property Code 2615	⁵ Property Name EUNICE KING	³ API Number 30-025-06846
		⁶ Well No. 10

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
B	28	21-S	37-E		660'	NORTH	1980'	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 HARE SAN ANDRES					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² WellType Code G	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3456' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 8040'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date 8/15/2005

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 BLINEBRY TO THE HARE SAN ANDRES RESERVOIR.
***A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS AND THE INTENDED PROCEDURE ARE ATTACHED FOR YOUR APPROVAL.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

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.		OIL CONSERVATION DIVISION	
Signature <i>Denise Pinkerton</i>		Approved By: <i>[Signature]</i>	
Printed Name Denise Pinkerton		Title: PETROLEUM ENGINEER	
Title Regulatory Specialist		Approval Date: AUG 15 2005	
Date 8/4/2005		Expiration Date:	
Telephone 432-687-7375		Conditions of Approval: Attached ☐	

Well: **Eunice King # 10**

Field: **Blinebry**

Reservoir: **Blinebry**

Location:
660' FNL & 1980' FEL
Section: 28
Township: 21S
Range: 37E
County: Lea State: NM

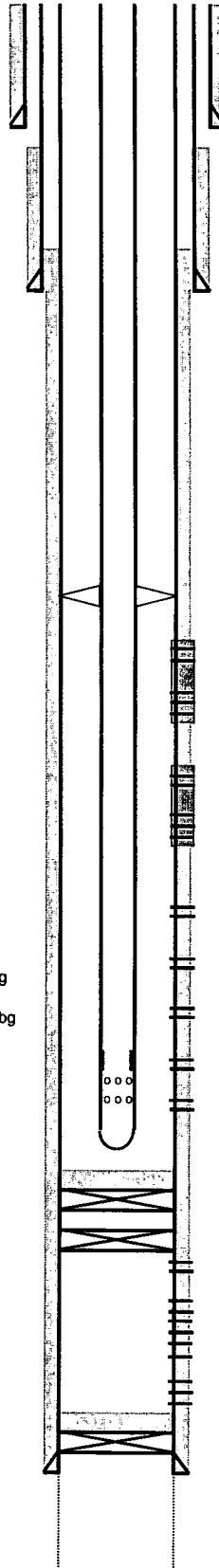
Elevations:
GL: 3456'
KB: 3469'
DF: 3468'

**Current
Wellbore Diagram**

Well ID Info:
Chevno: FA7943
API No: 30-025-06846
L5/L6: U462300
Spud Date: 3/31/48
Compl. Date: 6/5/48

Surf. Csg: 13 3/8", 48#, H-40
Set: @ 297' w/ 300 sks
Hole Size: 17 1/2"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Intern. Csg: 9 5/8", 36#, H-40 & J-55
Set: @ 2850' w/ 1300 sks
Hole Size: 12 1/4"
Circ: No **TOC:** 1255'
TOC By: Temperature Survey



Perfs:	Status
5120-26'	Paddock - Cmt Sqzd
5140-46'	Paddock - Cmt Sqzd
5164-68'	Paddock - Cmt Sqzd
5180-83'	Paddock - Cmt Sqzd
5190-94'	Paddock - Cmt Sqzd
5266-76'	Paddock - Cmt Sqzd

Tbg Detail:
BP @ 6030'
1 jt. 2 3/8" tbg
2 3/8" x 4" perf sub
SN @ 5994'
30 jts. 2 3/8" EUE 8R J-55 tbg
TAC @ 5064'
162 jts. 2 3/8" EUE 8R J-55 tbg

5709'	Blinebry - Open
5730'	Blinebry - Open
5754'	Blinebry - Open
5767'	Blinebry - Open
5833'	Blinebry - Open
5870'	Blinebry - Open
5882'	Blinebry - Open
5900'	Blinebry - Open
5913'	Blinebry - Open
5930'	Blinebry - Open
5939'	Blinebry - Open

CIBP @ 6990'
(10' cmt on top)

RBP @ 7008'

7160-7260' Abo - Below CIBP

CIBP @ 7350'
(9' cmt on top)

Prod. Csg: 7", 23#, J-55 & N-80
Set: @ 7865' w/ 800 sks
Hole Size: 8 3/4"
Circ: No **TOC:** 2815'
TOC By: Temperature Survey

7865-8040' OH (Ellenburger)

COTD: 6980'
PBTD: 6980'
TD: 8040'

Updated: 7/19/2005

By: A. M. Howell



Well: **Eunice King # 10**Field: **Hare**Reservoir: **San Andres****Location:**

660' FNL & 1980' FEL
 Section: 28
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3456'
 KB: 3469'
 DF: 3468'

Proposed
Wellbore Diagram

Well ID Info:

Chevron: FA7943
 API No: 30-025-06846
 L5/L6: U900600
 Spud Date: 3/31/48
 Compl. Date: 6/5/48

Surf. Csg: 13 3/8", 48#, H-40**Set:** @ 297' w/ 300 sks**Hole Size:** 17 1/2"**Circ:** Yes **TOC:** Surface**TOC By:** Circulated**Interm. Csg:** 9 5/8", 36#, H-40 & J-55**Set:** @ 2850' w/ 1300 sks**Hole Size:** 12 1/4"**Circ:** No **TOC:** 1255'**TOC By:** Temperature Survey**Tubing Detail:**

# Jts:	Size:	Footage
	KB Correction	12.00
124	Jts. 2 7/8" J-55 IPC Tbg	3844.00
	2 7/8" x 6" IPC Tbg Sub	6
	2 7/8" x 2 3/8" X-Over	0.60
	Reda Sub Pump	35.41
124	Bottom Of Mtr >>	3898.01

CIBP @ 5070'
 (35' cmt on top)

CIBP @ 5650'
 (35' cmt on top)

CIBP @ 6990'
 (10' cmt on top)

RBP @ 7008'

CIBP @ 7350'
 (9' cmt on top)

COTD: 5035'
PBTD: 5035'
TD: 8040'

Updated: 7/19/2005

By: A. M. Howell

Perfs:	Status
3930-36'	San Andres - Open
3942-50'	San Andres - Open
3958-68'	San Andres - Open
3972-80'	San Andres - Open
3986-96'	San Andres - Open
4004-10'	San Andres - Open
4025-35'	San Andres - Open
4045-55'	San Andres - Open
4080-90'	San Andres - Open
4137-41'	San Andres - Open
4156-62'	San Andres - Open
4172-80'	San Andres - Open
4198-4206'	San Andres - Open
4222-28'	San Andres - Open
4235-40'	San Andres - Open
4248-54'	San Andres - Open
4266-76'	San Andres - Open
4295-4300'	San Andres - Open
4310-20'	San Andres - Open
4358-68'	San Andres - Open

5120-26'	Paddock - Cmt Sqzd
5140-46'	Paddock - Cmt Sqzd
5164-68'	Paddock - Cmt Sqzd
5180-83'	Paddock - Cmt Sqzd
5190-94'	Paddock - Cmt Sqzd
5266-76'	Paddock - Cmt Sqzd

5709'	Blinebry - Open
5730'	Blinebry - Open
5754'	Blinebry - Open
5767'	Blinebry - Open
5833'	Blinebry - Open
5870'	Blinebry - Open
5882'	Blinebry - Open
5900'	Blinebry - Open
5913'	Blinebry - Open
5930'	Blinebry - Open
5939'	Blinebry - Open

7160-7260' Abo - Below CIBP

Prod. Csg: 7", 23#, J-55 & N-80**Set:** @ 7865' w/ 800 sks**Hole Size:** 8 3/4"**Circ:** No **TOC:** 2815'**TOC By:** Temperature Survey**7865-8040' OH (Ellenburger)**

Eunice King # 10
Hare (San Andres) Field
T21S, R37E, Section 28
Job: Plugback To San Andres Formation And Acidize



Procedure:

1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. AGU, EMSU, and EMSUB 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.
2. MI & RU pulling unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH LD rods and pump. Remove WH. Install BOP's and test to 1000 psi. Release TAC. POH LD 2 3/8" tbg string.
3. PU & GIH with 6 1/4" MT bit on 2 7/8" work string to approximately 5700'. POH with 2 7/8" work string and bit. LD bit. PU & GIH with 7" tbg-set CIBP on 2 7/8" work string to 5650'. Set CIBP at 5650'. Dump 35' cmt on top of CIBP. POH with 2 7/8" work string and setting tool. PU & GIH with 7" tbg-set CIBP on 2 7/8" work string to 5070'. Set CIBP at 5070'. Dump 35' cmt on top of CIBP. POH with 2 7/8" work string and setting tool. LD setting tool. GIH with 6 1/4" MT bit on 2 7/8" work string to 5000'. Establish reverse circulation using 8.6 PPG cut brine water. Reverse circulate well clean from 5000' using 8.6 PPG cut brine water. Pressure test 7" csg to 500 psi. POH with 2 7/8" work string and bit. LD bit.
4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL log from 5000' up to 3000'. POH. Inspect logs for good cement bond from approximately 5000' up to 3700'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding. Cmt squeeze as necessary to obtain good cmt across completion interval. GIH with 3 1/8" slick casing guns and perforate from 3930-36', 3942-50', 3958-68', 3972-80', 3986-96', 4004-10', 4025-35', 4045-55', 4080-90', 4137-41', 4156-62', 4172-80', 4198-4206', 4222-28', 4235-40', 4248-54', 4266-76', 4295-4300', 4310-20', and 4358-68' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit.
5. PU and GIH w/ 7" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 3900'. Test tbg to 5500 psi while GIH.
6. MI & RU DS Services. Acidize perfs 3930-4368' with 7,800 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

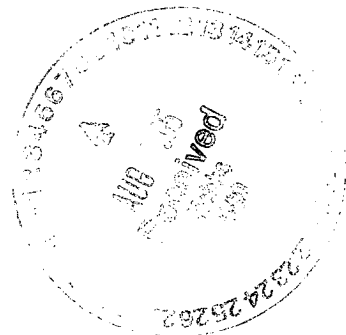
Interval	Amt. Acid	Max Rate	PPI Setting
4358-68'	500 gals	1 BPM	4357-69'
4310-20'	500 gals	1 BPM	4309-21'
4295-4300'	250 gals	1 BPM	4290-4302'
4266-76'	500 gals	1 BPM	4265-77'
4248-54'	300 gals	1 BPM	4244-56'
4235-40'	250 gals	1 BPM	4230-42'
4222-28'	300 gals	1 BPM	4220-32'
4198-4206'	400 gals	1 BPM	4196-4208'
4172-80'	400 gals	1 BPM	4170-82'
4156-62'	300 gals	1 BPM	4154-66'
4137-41'	200 gals	1 BPM	4135-47'
4080-90'	500 gals	1 BPM	4079-91'
4045-55'	500 gals	1 BPM	4044-56'
4025-35'	500 gals	1 BPM	4024-36'
4004-10'	300 gals	1 BPM	4000-12'
3986-96'	500 gals	1 BPM	3985-97'
3972-80'	400 gals	1 BPM	3970-82'
3958-68'	500 gals	1 BPM	3957-69'
3942-50'	400 gals	1 BPM	3940-52'
3930-36'	300 gals	1 BPM	3926-38'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note:** Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 500 psi csg pressure. If cannot, then move pkr to next setting depth and combine treatment volumes of the intervals.

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

- Set PPI pkr at 3900'. GIH and swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note:** Selectively swab perfs as directed by Engineering if excessive water is produced.
- Open well. MI & RU pump truck. Pump down tbg with 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water at **5 BPM** and **2500 psi maximum pressure**. RD and release pump truck. Release PPI pkr. POH LD 2 7/8" work string and PPI packer.

9. PU and GIH w/ Centrilift test sub pump assembly, 2 7/8" x 10' tbg sub, SN, and 121 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 3900'.
10. Remove BOP's and install WH. RD & release pulling unit.
11. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.



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-102
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06846	² Pool Code 78080	³ Pool Name HARE SAN ANDRES - GAS
⁴ Property Code 2615	⁵ Property Name EUNICE KING	⁶ Well No. 10
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3456' GL

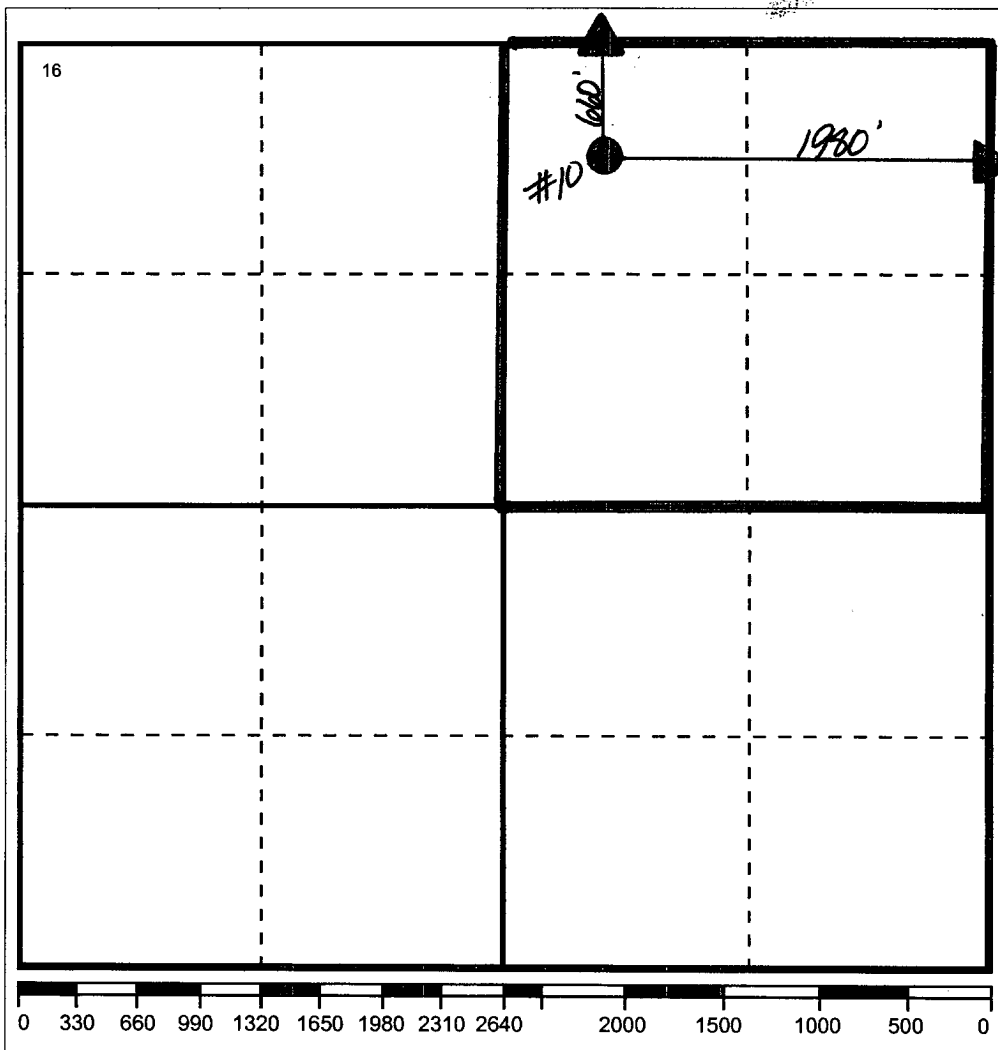
¹⁰ Surface Location

Ul or lot no B	Section 28	Township 21-S	Range 37-E	Lot.Idn	Feet From The 660'	North/South Line NORTH	Feet From The 1980'	East/West Line EAST	County 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 Acre 160	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 <i>Denise Pinkerton</i> Printed Name Denise Pinkerton Positio Regulatory Specialist Date 8/4/2005
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.