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 Offic
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	2 OGRID Number
CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705	4323
	3 API Number 30-025-06847

4 Property Code	5 Property Name	6 Well No.
2615	EUNICE KING	11

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		554'	NORTH	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	10 Proposed Pool 2
PENROSE SKELLY GRAYBURG	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
R Re-enter	O	ROTARY	P	3457' GL
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	6650'	GRAYBURG		10/15/2005

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

Permit Expires 1 Year From Approval Date Unless ~~Drilling Underway~~ Re-Entry

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

THE ORIGINAL WELLBORE WAS PLUGGED AND ABANDONED AND WAS IN THE CENTRAL DRINKARD UNIT AND WAS NAMED THE CENTRAL DRINKARD UNIT #102. CHEVRON INTENDS TO REENTER THE WELL AND COMPLETE OUTSIDE THE UNIT AND REVERT TO ITS ORIGINAL NAME, EUNICE KING #11.

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

A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

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 Denise Pinkerton	Approved By:
Printed Name Denise Pinkerton	Title: PETROLEUM ENGINEER
Title Regulatory Specialist	Approval Date: SEP 2 6 2005 / Expiration Date:
Date 9/21/2005 / Telephone 432-687-7375	Conditions of Approval: Attached ☐

DeSoto/Nichols 3-94 ver 1.10

Eunice King # 11
Penrose Skelly Field
T21S, R37E, Section 28
Job: Reenter And Complete In Grayburg Formation

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. Repair well location and lease road. Dig out around cut off csg strings. Weld on new csg and tubing heads. MI & RU workover unit. Install BOP's and test to 1000 psi. PU 6 ¼" MT bit, DC's, and 2 7/8" work string. Establish reverse circulation using 8.6 PPG cut brine. Drill out cement plug in 7" casing from surface to 60'. LD and cleanout 7" casing to top of CICR at 252'. Reverse circulate well clean from 252'. Drill out CICR at 252' and cmt below to 360'. LD and cleanout 7" csg to top of cmt plug at 1051'. Pressure test csg to 500 psi. LD and drill out cement plug in 7" casing from 1051' to 1260'. LD and cleanout 7" casing to 2780'. Reverse circulate well clean from 2780'. Pressure test csg to 500 psi. . LD and drill out cement plug in 7" casing from 2780' to 2860'. LD and cleanout 7" casing to 4925'. Reverse circulate well clean from 4925'. Pressure test csg to 500 psi. POH with 2 7/8" work string, DC's, and 6 ¼" bit. LD DC's and bit. **Note: If any set of sqzd perfs fails pressure test, cmt squeeze before drilling ahead and uncovering next set of sqzd perfs. Also, well will be a producer, so a slight pressure loss is acceptable.**

3. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL log from 4925' up to 2600'. POH. Inspect logs for good cement bond from approximately 4200' up to 3500'. 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" DP slick casing gun and perforate from 3674-80', 3684-92', 3703-10', 3714-18', 3723-28', 3738-46', 3752-58', 3766-74', 3781-89', 3798-3804', 3812-20', 3827-35', 3844-52', 3858-66', 3878-88', 3894-3900', and 3914-20' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit. **Note: Use casing collars from Worth Well Surveys Nuclear Log dated 10/11/60 for depth correction.**

4. PU and GIH w/ 7" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 3650'. Test tbg to 5500 psi while GIH.

5. MI & RU DS Services. Acidize perfs 3670-3930' with 3,400 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid across perfs at beginning of each stage and let soak to lower breakdown pressure and prevent communication. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
3914-20'	200 gals	½ BPM	3910-22'
3894-3900'	200 gals	½ BPM	3890-3902'
3878-88'	200 gals	½ BPM	3877-89'
3858-66'	200 gals	½ BPM	3856-68'
3844-52'	200 gals	½ BPM	3842-54'
3827-35'	200 gals	½ BPM	3825-37'
3812-20'	200 gals	½ BPM	3810-22'
3798-3804'	200 gals	½ BPM	3796-3808'
3781-89'	200 gals	½ BPM	3778-90'
3766-74'	200 gals	½ BPM	3764-76'
3752-58'	200 gals	½ BPM	3750-62'
3738-46'	200 gals	½ BPM	3736-48'
3723-28'	200 gals	½ BPM	3720-32'
3714-18'	200 gals	½ BPM	3710.5-22.5'
3703-10'	200 gals	½ BPM	3700-12'
3684-92'	200 gals	½ BPM	3682-94'
3674-80'	200 gals	½ BPM	3670-82'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. 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 350 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals. Do not exceed 350 psi casing pressure due to cmt sqzd perfs in wellbore.**

* 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

6. Release PPI pkr and PUH to approximately 3650'. 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.**

7. Open well. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.

8. PU and GIH w/ 7" Lok-Set pkr & On-Off tool w/ 2.25" "F" profile and 118 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 3550'. Install frac head. Pressure annulus to 350 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication.

9. MI & RU DS Services. Frac well down 3 ½" tubing at **40 BPM** with 84,000 gals of YF130, 160,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Pump job as follows:

   Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor
   Pump 1,000 gals 2% KCL water spacer
   Pump 14,000 gals YF130 pad containing 5 GPT J451 Fluid Loss Additive
   Pump 14,000 gals YF130 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
   Pump 12,000 gals YF130 containing 1.5 PPG 16/30 mesh Jordan Sand
   Pump 12,000 gals YF130 containing 2.5 PPG 16/30 mesh Jordan Sand
   Pump 12,000 gals YF130 containing 3.5 PPG 16/30 mesh Jordan Sand
   Pump 14,000 gals YF130 containing 4.5 PPG 16/30 mesh Jordan Sand
   Pump 6,000 gals YF130 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

   Flush to 3600' with 1,270 gals WF130. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. **Leave well SI overnight.**

10. Open well and flow/swab back treatment fluids. Report oil cut, recovered fluid volumes, sand recovery, pressures, and/or swabbing fluid levels. Release pkr and POH with 3 ½" work string. Lay down 3 ½" work string and pkr.

11. PU and GIH with 6 ¼" MT bit on 2 7/8" work string to 4500'. If fill is found above 4000', clean out fill to 4000' using 8.6 PPG cut brine water and air unit (if necessary). POH LD 2 7/8" work string and bit.

12. PU and GIH w/ Centrilift sub pump assembly, drain sub, 2 7/8" x 6' 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 3805'.

13. Remove BOP's and install WH. RD & release workover unit.

14. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
8/11/2005

WELL DATA SHEET

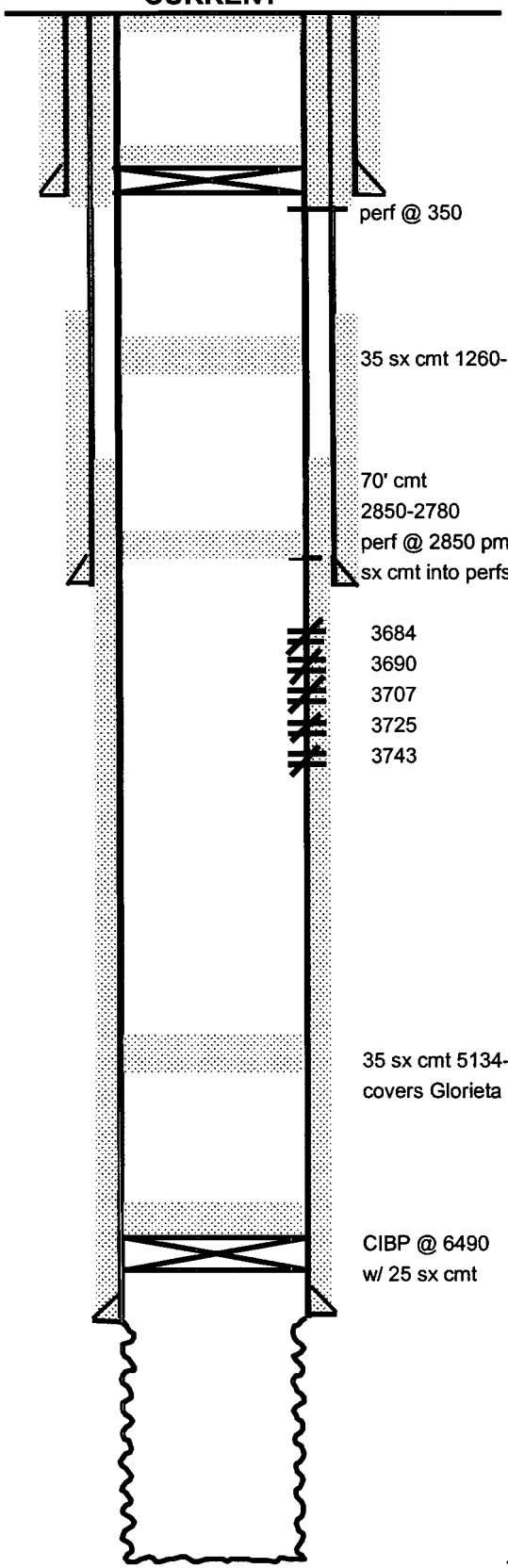
FIELD: Drinkard | **WELL NAME: Central Drinkard Unit # 102** | **FORMATION: Drinkard**

LOC: 554' FNL, 2086' FEL | SEC: 28 | GL: 3457' | CURRENT STATUS: HP

TOWNSHIP: 21S | COUNTY: Lea | KB to GL: ' | API NO: 3002506847

RANGE: 37E | STATE: NM | DF to GL: | Chevno: FA7944

CURRENT



10 sx cmt @ surf

CICR @ 252 pmp 190 sx cmt
circ to surf 10 sx cmt on top

13-3/8" OD, 48# Gr H-40
Set @ 291' w/ 300 sx
TOC @ surf.

9-5/8" OD, 36# H-40, J-55
csg set @ 2800'
w/ 1300 sx cmt
TOC @ 550' by TS

7" OD, 23#, Gr. J-55
csg @ 6540' w/ 700 sks cmt
TOC @ 2900' by TS

Date Completed: 11-28-43	Initial: Production
Initial Formation:	
FROM: TO:	

Completion data:

Subsequent Workover or Reconditioning:

(11-18-48) acidize 6540-6650 w/ 1000gal acid
(11-20-48) acidize 6540-6650 w/ 3000gal acid
(8-3-53) install rod pump 6540-6650
(10-13-60) perf 3684-3743 w/ 4 JH in plane
(10-14-60) acidize 3684-3743 w/ 500gal 15% NEA & frac w/ 20000gal gel oil w/ 3# SPG
(7-31-61) install rod pump 3684-3743
(1-5-76) sqz 3684-3743 w/ 235 sx cmt
(1-13-76) acidize 6540-6650 w/ 1000gal 15% NEA & install rod pump
(2-28-80) acidize 6540-6650 w/ 500gal 15% NEA
(6-15-81) acidize 6540-6650 w/ 750gal 15% NEA
(11-6-81) frac 6540-6650 w/ 29000gal 1% KCL & 32250# 20/40 snd
(2-19-87) clean out & acidize w/ 4000gal 15% NEFE
(1-21-94) P & A

FILE: CDU102.XLS
CW 6/17/02
WPJ 6/24/04

TD @ 6650'

WELL DATA SHEET

FIELD: Penrose Skelly | **WELL NAME:** **Eunice King # 11** | **FORMATION: Grayburg**

LOC: 554' FNL, 2086' FEL | SEC: 28 | GL: 3457' | CURRENT STATUS: PR

TOWNSHIP: 21S | COUNTY: Lea | KB to GL: ' | API NO: 3002506847

RANGE: 37E | STATE: NM | DF to GL: | Chevno: FA7944

PROPOSED

Date Completed: 11-28-43	Initial: Production
Initial Formation:	
FROM: TO:	

13-3/8" OD, 48# Gr H-40
Set @ 291' w/ 300 sx
TOC @ surf.

sqzd perf @ 350

9-5/8" OD, 36# H-40, J-55
csg set @ 2800'
w/ 1300 sx cmt
TOC @ 550' by TS

70' cmt
2850-2780
perf @ 2850 pmp 60
sx cmt into perfs

Completion data:

Subsequent Workover or Reconditioning:

(11-18-48) acidize 6540-6650 w/ 1000gal acid
(11-20-48) acidize 6540-6650 w/ 3000gal acid
(8-3-53) install rod pump 6540-6650
(10-13-60) perf 3684-3743 w/ 4 JH in plane
(10-14-60) acidize 3684-3743 w/ 500gal 15% NEA & frac w/ 20000gal gel oil w/ 3# SPG
(7-31-61) install rod pump 3684-3743
(1-5-76) sqz 3684-3743 w/ 235 sx cmt
(1-13-76) acidize 6540-6650 w/ 1000gal 15% NEA & install rod pump
(2-28-80) acidize 6540-6650 w/ 500gal 15% NEA
(6-15-81) acidize 6540-6650 w/ 750gal 15% NEA
(11-6-81) frac 6540-6650 w/ 29000gal 1% KCL & 32250# 20/40 snd
(2-19-87) clean out & acidize w/ 4000gal 15% NEFE
(1-21-04) P & A

Perfs:	Status:
3674-80'	Grayburg - Open
3684-92	Grayburg - Open
3703-10'	Grayburg - Open
3714-18	Grayburg - Open
3723-28'	Grayburg - Open
3738-46'	Grayburg - Open
3752-58'	Grayburg - Open
3766-74'	Grayburg - Open
3781-89'	Grayburg - Open
3798-3804'	Grayburg - Open
3812-20'	Grayburg - Open
3827-35'	Grayburg - Open
3844-52'	Grayburg - Open
3858-66'	Grayburg - Open
3878-88'	Grayburg - Open
3894-3900'	Grayburg - Open
3914-20'	Grayburg - Open

35 sx cmt 4925-5134'
covers Glorieta

Size:	Footage
KB Correction	14.00
Jts. 2 7/8" J-55 Cl. 'B'	3751.00
2 7/8" x 6' Tbg Sub	6.00
Drain Valve	0.55
2 7/8" x 2 3/8" X-Over	0.60
Centrilift Sub Pump	35.41
Bottom Of Mtr >>	**3807.56**

7" OD, 23#, Gr. J-55
csg @ 6540' w/ 700 sks cmt
TOC @ 2900' by TS

CIBP @ 6490
w/ 25 sx cmt

PBTD @ 4925'
TD @ 6650'