

District I
1625 N. French Dr., Hobbs, NM 88240
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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

HOBBS OGD
APR 29 2011
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID Number 4323
		³ API Number 30 - 025-32881
³ Property Code 29958	⁵ Property Name L. VAN ETEN	⁶ Well No. 16
⁹ Proposed Pool 1 EUNICE MONUMENT GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

Surface Location

UL or lot no. L	Section 9	Township 20-S	Range 37-E	Lot Idn	Feet from the 1955	North/South line SOUTH	Feet from the 940	East/West line WEST	County LEA
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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
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Additional Well Information

¹¹ Work Type Code PLUGBACK P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3547' GL
¹⁶ Multiple NO	¹⁷ Proposed Depth 6000'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
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 INTO THE EUNICE MONUMENT GRAYBURG SAN ANDRES FORMATION.
PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION.

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

Signature:

Printed name:
DENISE PINKERTON

Title:
REGULATORY SPECIALIST

E-mail Address:
leakejd@chevron.com

Date:
04-28-2011

Phone:
432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title:

Geologist

Approval Date:
04/29/11

Expiration Date:
04/29/13

Conditions of Approval Attached ☐

MAY 02 2011

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-32881	² Pool Code 23000	³ Pool Name EUNICE MONUMENT; GRAYBURG SAN ANDRES
⁴ Property Code 29958	⁵ Property Name L. VAN ETEN	⁶ Well Number 16
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 3547' GL

¹⁰ Surface Location

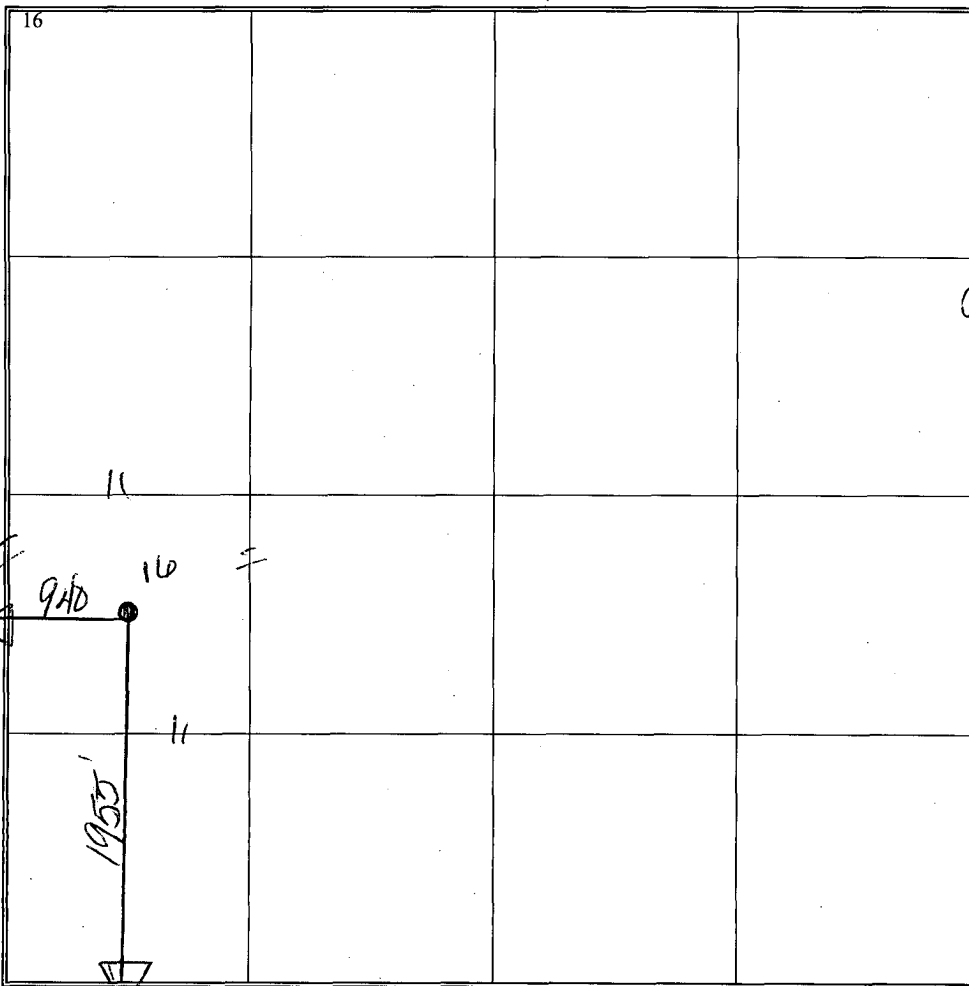
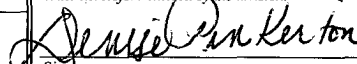
UL or lot no. L	Section 9	Township 20-S	Range 37-E	Lot Idn	Feet from the 1955	North/South line SOUTH	Feet from the 940	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	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, 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.  04-28-2011 Signature Date DENISE PINKERTON REGULATORY SPECIALIST Printed Name
	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

L. Van Etten # 16
Monument Field
T20S, R37E, Section 9

Job: Plugback To San Andres Formation And Acidize

Procedure: (Revised: 4/27/2011)

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 4/26/2011. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. 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/1000 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. **Note: Prior to performing this step of the procedure, ensure that all valves, pipe, and fittings that will be exposed to test pressure are rated higher than the planned test pressure.**
3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. ND WH. NU BOP's. Release TAC. POH LD 2 jts 2 7/8" 6.5 # J-55 EUE 8R tbg. PU and GIH w/ 5 1/2" compression-set pkr to 25'. Set pkr at 25'. Test BOP's to 250 psi low, 500 psi high. Release pkr. POH and LD pkr. POH scanalogg 2 7/8" tbg string. LD all except 129 jts of 2 7/8" yellow-band J-55 tbg. LD TAC.
4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and conduct gauge ring (for 5 1/2" 15.50# casing) and junk basket run from surface to 5175'. POH. GIH and set CIBP at 5150'. POH. Pressure test casing and CIBP to 500 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 3920-26', 3936-42', 3946-51', 3960-70', and 3981-83' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. GIH and dump bail 35' of cement on top of CIBP at 5150'. POH. RD & release electric line unit. **Note: Use Wedge Wireline GR/CBL/CCL Log dated 6/4/1995 for depth correlation.**
5. PU and GIH w/ 5 1/2" PPI pkr (with 12' element spacing) and SCV on 2 7/8" 6.5# EUE 8R L-80 work string to approximately 4000'. Test tbg to 5500 psi while GIH.
6. MI & RU Petroplex. Acidize perms 3920-83' with 1,200 gals anti-sludge 15% HCl acid *** at a maximum rate **as shown below** and a maximum surface treating 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
3981-83'	200 gals	½ BPM	3975-87'
3960-70'	400 gals	½ BPM	3959-71'
3946-51'	200 gals	½ BPM	3944-56'
3936-42'	200 gals	½ BPM	3932-44'
3920-26'	200 gals	½ BPM	3917-29'

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 Schlumberger. **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 PPI to next setting depth and combine treatment volumes of the intervals.

*** Acid system is to contain:

2 GPT I-8	Corrosion Inhibitor
5 GPT FEDX	Iron Reducing Agent
3 GPT FEBX	Iron Reducing Activator
20 GPT Petrosol	Mutual Solvent
2 GPT EP-3	Non-Emulsifier

7. Release PPI pkr and PUH to approximately 3900'. 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 on an hourly basis. **Note:** Selectively swab perfs as directed by Engineering if excessive water is produced.
8. Open well. Release PPI pkr. POH LD 2 7/8" work string and PPI packer.
9. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 6 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 123 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3890', with EOT at 4160' and SN at 4125'.
10. ND BOP's and NU WH. GIH with rods, weight bars, and pump per ALCR recommended design. RD & release pulling unit.
11. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
4/26/2011

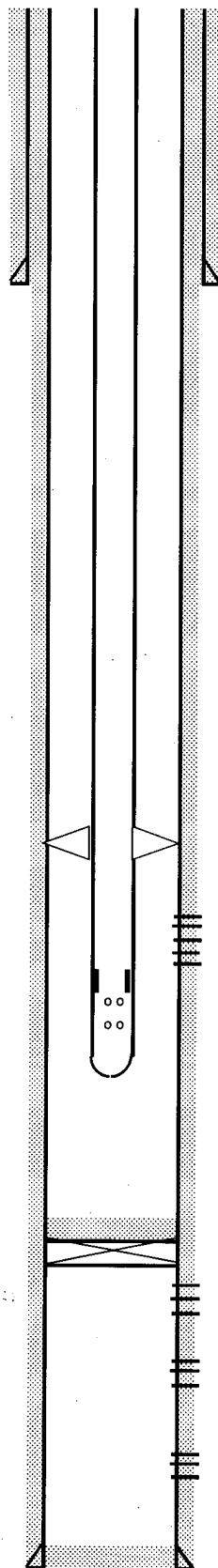
Well: **L. Van Etten # 16**Field: **Monument**Reservoir: **Paddock****Location:**

1955' FSL & 940' FWL
 Section: 9
 Township: 20S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3547'
 KB: 3462'
 DF: 3461'

Current
Wellbore Diagram

**Well ID Info:**

Chevno: BC1137
 API No: 30-025-32881
 L5/L6: UCU938300
 Spud Date: 5/4/95
 Compl. Date: 6/8/95

Surf. Csg: 8 5/8", 24#, WC-50
Set: @ 1161' w/ 450 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	15.00
153	Jts. 2 7/8" EUE 8R J-55 Tbg	4819.20
	2 7/8" x 4" Tbg Sub	4.10
2	Jts. 2 7/8" EUE 8R J-55 Tbg	62.25
	TAC	2.75
9	Jts. 2 7/8" EUE 8R J-55 Tbg	281.69
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.11
	2 7/8" x 12' IPC Tbg Sub	12.10
	SN	1.10
	2 7/8" x 4" Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	32.08
	Bull Plug	0.50
166	Bottom Of String >>	5265.98

Perfs:
 5183-90'

Status:
 Paddock - Open

CIBP @ 5550'
 (35' cmt on top)

Perfs:
 5576-92' Blinbry - Below CIBP
 5604-06' Blinbry - Below CIBP
 5608-10' Blinbry - Below CIBP
 5656-64' Blinbry - Below CIBP
 5668-74' Blinbry - Below CIBP

COTD: 5515'
PBTD: 5515'
TD: 6000'

Prod. Csg: 5 1/2", 15.50#, K-55 & LS-65
Set: @ 6000' w/ 2375 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Updated: 4/26/2011

By: A. M. Howell

Well: **L. Van Etten # 16**Field: **Monument**Reservoir: **San Andres****Location:**

1955' FSL & 940' FWL
 Section: 9
 Township: 20S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3547'
 KB: 3462'
 DF: 3461'

Proposed
Wellbore Diagram

Well ID Info:

Chevno: BC1137
 API No: 30-025-32881
 L5/L6: UCU938300
 Spud Date: 5/4/95
 Compl. Date: 6/8/95

Surf. Csg: 8 5/8", 24#, WC-50
 Set: @ 1161' w/ 450 sks
 Hole Size: 11"
 Circ: Yes TOC: Surface
 TOC By: Circulated

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

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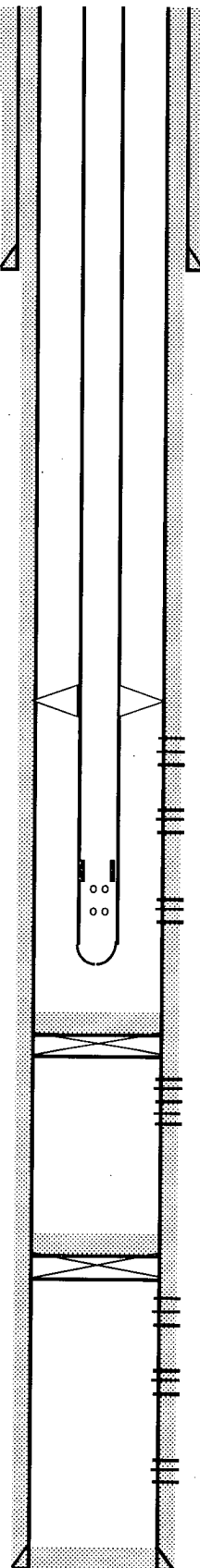
#Jts:	Size:	Footage
	KB Correction	15.00
123	Jts. 2 7/8" EUE 8R J-55 Tbg	3874.50
	TAC	2.75
6	Jts. 2 7/8" EUE 8R J-55 Tbg	187.79
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.11
	2 7/8" x 12" IPC Tbg Sub	12.10
	SN	1.10
	2 7/8" x 4" Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	32.08
	Bull Plug	0.50
131	Bottom Of String >>	4161.03

CIBP @ 5150'
 (35' cmt on top)

CIBP @ 5550'
 (35' cmt on top)

COTD: 5115'
PBTD: 5115'
TD: 6000'

Updated: 4/26/2011



By: A. M. Howell

Perfs:	Status:
3920-26'	San Andres - Open
3936-42'	San Andres - Open
3946-51'	San Andres - Open
3960-70'	San Andres - Open
3981-83'	San Andres - Open

Perfs:	Status:
5183-90'	Paddock - Below CIBP

Perfs:	Status:
5576-92'	Blinebry - Below CIBP
5604-06'	Blinebry - Below CIBP
5608-10'	Blinebry - Below CIBP
5656-64'	Blinebry - Below CIBP
5668-74'	Blinebry - Below CIBP

Prod. Csg: 5 1/2", 15.50#, K-55 & LS-65
Set: @ 6000' w/ 2375 sks
Hole Size: 7 7/8"
Circ: Yes TOC: Surface
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