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

HOBBS OCD
MAY 24 2011
RECEIVED

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
June 16, 2008

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	[2] OGRID Number
CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TEXAS 79705	4323 ✓
	[3] API Number 30 – 025-10102 ✓

[3] Property Code	[5] Property Name	[6] Well No.
307992	L.E. GRIZZELL	2 ✓

[9] Proposed Pool 1	[10] Proposed Pool 2
EUNICE; SAN ANDRES, SW ✓	

[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
A	8	22-S	37-E		660'	NORTH	660'	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 lin	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
PLUGBACK	O		P ✓	3436' GL
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	4965'	SAN ANDRES		

[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 RECOMPLETE THE SUBJECT WELL INTO THE EUNICE; SAN ANDRES, SW FORMATION.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION.

Permit Expires 2 Years From Approval Date Unless ~~Drilling~~ Underway

Plugback

[23] I hereby certify 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

E-mail Address: leakejd@chevron.com

Date: 05-20-2011

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: MAY 26 2011

Expiration Date:

Conditions of Approval Attached ☐

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HOBBS OCD
MAY 24 2011
RECEIVED

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	[2] Pool Code	[3] Pool Name
30-025-10102	24180	EUNICE ; SAN ANDRES, SW

[4] Property Code	[5] Property Name	[6] Well Number
307992	L.E. GRIZZELL	2

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3436' GL

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	8	22-S	37-E		660	NORTH	660	EAST	LEA

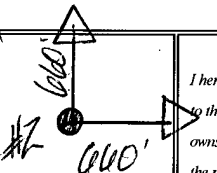
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

16



[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.

Denise Pinkerton 05-20-2011
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. E. Grizzell # 2
Paddock Field
T22S, R37E, Section 8

Job: Plugback To San Andres Formation And Acidize

Procedure:

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 5/12/2011. 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 LD rods and pump. ND WH. NU BOP's. POH LD 2 jts 2 3/8" 6.5 # J-55 EUE 8R tbg. PU and GIH w/ 7" compression-set pkr to 25'. Set pkr at 25'. Test BOP's to 250 psi low, 1000 psi high. Release pkr. POH LD pkr, 2 3/8" tbg string.

4. MI & RU Baker Atlas electric line unit and mast truck. Install lubricator and test to 2000 psi. GIH and conduct gauge ring (for 5 ½" 20# casing) and junk basket run from surface to 5050'. GIH and set CIBP at 5000'. POH. Pressure test casing and CIBP to 500 psi. GIH and conduct GR/CNL/CCL log from 5000' up to 3000'. POH. E-mail log to Caleb Osborn (COFT@chevron.com) for picking new perfs. GIH and conduct GR/CBL/CCL log from 5000' up to 200' above cement top. Conduct log with 500 psi casing pressure. Inspect logs for good cement bond from approximately 4100' up to 3800'. 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 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 3919-22', 3928-33', 3936-40', 3952-56', 3960-65', 3973-81', 3992-4000', 4009-16', 4020-24', 4027-33', 4036-40', 4046-50', and 4053-58' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: There are no logs for this well. Tie in with 5 ½" csg shoe at 5075' to set CIBP at 5000'. Tie logs in with CIBP at 5000'.**

5. PU and GIH w/ 5 ½" PPI pkr (with 10' element spacing) and SCV on 2 7/8" Class A tbg string to approximately 4060'. Test tbg to 5500 psi while GIH.

6. MI & RU Petroplex. Acidize perfs 3919-4058' with 2,600 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**
4053-58'	200 gals	½ BPM	4052-62'
4046-50'	200 gals	½ BPM	4041-51'
4036-40'	200 gals	½ BPM	4035-45'
4027-33'	200 gals	½ BPM	4025-35'
4020-24'	200 gals	½ BPM	4016.5-26.5'
4009-16'	200 gals	½ BPM	4008-18'
3992-4000'	200 gals	½ BPM	3991-4001'
3973-81'	200 gals	½ BPM	3972-82'
3960-65'	200 gals	½ BPM	3958-68'
3952-56'	200 gals	½ BPM	3948-58'
3936-40'	200 gals	½ BPM	3935-45'
3928-33'	200 gals	½ BPM	3925-35'
3919-22'	200 gals	½ BPM	3915-25'

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 gal I-8 and 1 gal EP-3. 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 3850'. 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. If productivity is unsatisfactory, re-acidize performing ball job at 5 BPM using 5000 gals acid.**

8. Open well. Release PPI pkr. POH with 2 7/8" tbg string and PPI packer. LD PPI pkr.

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, 7 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 122 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3800', with EOT at 4080' and SN at 4045'.

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
5/12/2011

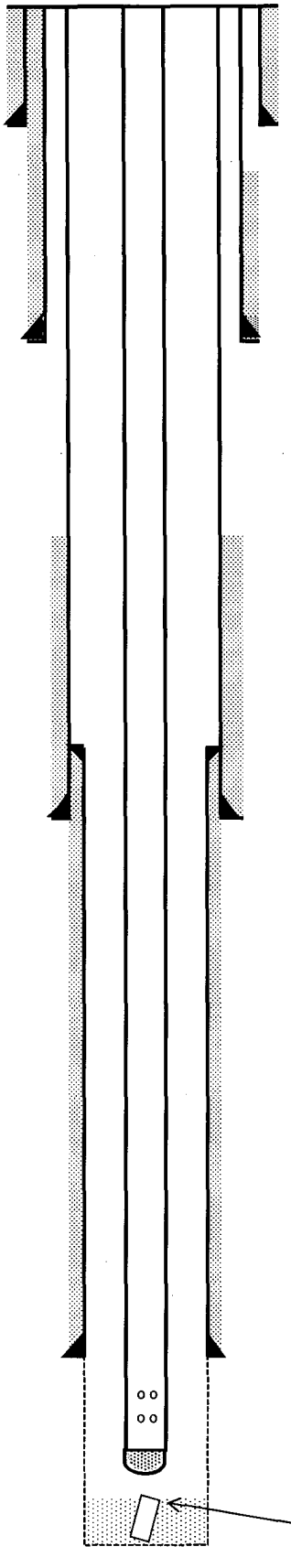
Well: **L. E. Grizzell # 2** Field: **Paddock** Reservoir: **Paddock**

Current Wellbore Diagram

Location:
660' FNL & 660' FEL
Section: 8
Township: 22S
Range: 37E Unit: A
County: Lea State: NM

Elevations:
GL: 3436'
KB: 3447'
DF: 3446'

Well ID Info:
Chevno: FB4767
API No: 30-025-10102
L5/L6: U482800
Spud Date: 7/14/37
Compl. Date: 4/10/37



Surf. Csg: 13" 50#, ERW
Set: @ 300' w/220 sx cmt
Hole Size: 15 1/2"
Circ: Yes **TOC:** Surface
TOC By: Calculated (1.15 HEF)

Interm. Csg: 8 5/8" 28#, SS
Set: @ 1260' w/ 135 sx cmt
Hole Size: 12 1/2"
Circ: No **TOC:** 1032'
TOC By: Calculated (1.15 HEF)

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.

Prod. Csg: 7", 24#, SS
Set: @ 3357' w/ 150 sx cmt
Hole Size: 8"
Circ: No **TOC:** 2383'
TOC By: Calculated (1.15 HEF)

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
167	Jts. 2 3/8" EUE 8R J-55 Tbg	5172.02
	SN	1.10
	2 3/8" x 4' Perf Tbg Sub	3.75
1	Jt. 2 3/8" EUE 8R J-55 Tbg	10.00
	Bull Plug	0.50
168	**Bottom Of String >>**	**5198.37**

Liner: 5 1/2" OD 20# J-55
Set: @ 5075' w/ top @ 3181'
Cemented with: 150 sks
Hole Size: 6 1/4"
Circ: Yes **TOC:** 3181'
TOC By: Circulation

COTD: 5200'
PBTD: 5245'
TD: 5245'

5075-5245' Paddock Open Hole

Fish (MA & pump) @ 5200'

Updated: 5/11/2011 **By:** A. M. Howell

Well: **L. E. Grizzell # 2** Field: **Eunice; San Andres, SW** Reservoir: **San Andres**

Proposed Wellbore Diagram

Location:
660' FNL & 660' FEL
Section: 8
Township: 22S
Range: 37E Unit: A
County: Lea State: NM

Elevations:
GL: 3436'
KB: 3447'
DF: 3446'

Well ID Info:
Chevno: FB4767
API No: 30-025-10102
L5/L6: LB10400
Spud Date: 7/14/37
Compl. Date: 4/10/37

Surf. Csg: 13" 50#, ERW
Set: @ 300' w/220 sx cmt
Hole Size: 15 1/2"
Circ: Yes **TOC:** Surface
TOC By: Calculated (1.15 HEF)

Interm. Csg: 8 5/8" 28#, SS
Set: @ 1260' w/ 135 sx cmt
Hole Size: 12 1/2"
Circ: No **TOC:** 1032'
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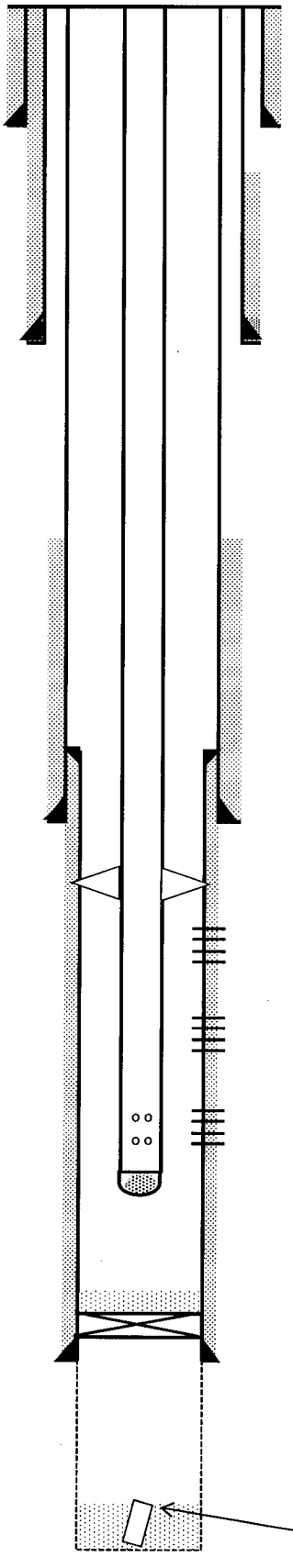

Prod. Csg: 7", 24#, SS
Set: @ 3357' w/ 150 sx cmt
Hole Size: 8"
Circ: No **TOC:** 2383'
TOC By: Calculated (1.15 HEF)

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
122	Jts. 2 7/8" EUE 8R J-55 Tbg	3782.00
	TAC	2.70
7	Jts. 2 7/8" EUE 8R J-55 Tbg	217.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.43
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	30.14
	Bullplug	0.50
131	**Bottom Of String >>**	**4079.97**

Perfs:	Status:
3919-22'	San Andres - Open
3928-33'	San Andres - Open
3936-40'	San Andres - Open
3952-56'	San Andres - Open
3960-65'	San Andres - Open
3973-81'	San Andres - Open
3992-4000'	San Andres - Open
4009-16'	San Andres - Open
4020-24'	San Andres - Open
4027-33'	San Andres - Open
4036-40'	San Andres - Open
4046-50'	San Andres - Open
4053-58'	San Andres - Open

CIBP @ 5000'
(35' cmt on top)

Liner: 5 1/2" OD 20# J-55
Set: @ 5075' w/ top @ 3181'
Cemented with: 150 sks
Hole Size: 6 1/4"
Circ: Yes **TOC:** 3181'
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PBTD: 4965'
TD: 5245'

5075-5245' Paddock Open Hole

Fish (MA & pump) @ 5200'

Updated: 5/12/2011

By: A. M. Howell