

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-10041
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	E.A. STICHER
8. Well No.	4
9. Pool Name or Wildcat	EUNICE SOUTHWEST, SAN ANDRES
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3456' DF

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>L</u> : <u>2310</u> Feet From The <u>SOUTH</u> Line and <u>810</u> Feet From The <u>WEST</u> Line Section <u>4</u> Township <u>22S</u> Range <u>37E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3456' DF

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ ADD PERFS & ACIDIZE

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS IN THE SAN ANDRES FORMATION AND ACIDIZE.
THE CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.
THE INTENDED PROCEDURE IS ALSO ATTACHED.

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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 11/10/2005
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature] TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

PETROLEUM ENGINEER

DATE

NOV 15 2005

E. A. Sticher # 4

Eunice SW; San Andres Field

T22S, R37E, Section 4

Job: Add Perfs In 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 with rods and pump. Remove WH. Install BOP's and test to 1000 psi. Release TAC. POH with 2 7/8" tbg string. LD TAC.
3. PU & GIH with chisel bailer on sand line to top of CIBP in 7" csg at 4080'. LD and drill out/push CIBP in 7" csg to approximately 5115'. POH. PU & GIH with 6 1/4" bit on 2 7/8" work string to approximately 5115'. 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/Compensated Neutron/CCL log from 5000' up to 3000'. GIH with 3 3/8" Predator casing guns and perforate from 3920-26', 3929-35', 3944-49', 3969-75', 3998-4000', 4009-14', 4028-30', 4044-48', 4058-64', 4076-84', and 4094-98' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit.
Note: Exact perfs will change after conducting CPNL log.
5. PU and GIH w/ 7" PPI pkr (with 10' element spacing) and SCV on 2 7/8" work string to approximately 3920'. Test tbg to 5500 psi while GIH.
6. MI & RU DS Services. Acidize perfs 3920-4098' with 3,400 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **1500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
4094-98'	200 gals	½ BPM	4089-99'
4076-84'	200 gals	½ BPM	4075-85'
4058-64'	200 gals	½ BPM	4056-66'
4044-48'	200 gals	½ BPM	4040-50'
4028-30'	200 gals	½ BPM	4026-36'
4018-21'	200 gals	½ BPM	4015-25'
4009-14'	200 gals	½ BPM	4007.5-17.5'
3998-4007'	400 gals	½ BPM	3997.5-4007.5'
3988-96'	200 gals	½ BPM	3987-97'

3977-82'	200 gals	½ BPM	3976-86'
3969-75'	200 gals	½ BPM	3966.6-76.5'
3960-66'	200 gals	½ BPM	3958.5-68.5'
3954-58'	200 gals	½ BPM	3949.5-59.5'
3944-49'	200 gals	½ BPM	3940-50'
3929-35'	200 gals	½ BPM	3928-38'
3920-26'	200 gals	½ BPM	3918-28'

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

7. PUH and 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.**
8. 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 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.

AMH
11/8/2005

Well: **E. A. Sticher # 4**Field: **Eunice SW**Reservoir: **San Andres**

Location:
 2130' FSL & 810' FWL
 Section: 4
 Township: 22S
 Range: 37E
 County: Lea State: NM

Elevations:
 GL: 3444'
 KB: 3457'
 DF: 3456'

Current
Wellbore Diagram

Well ID Info:

Refno: FB1052
 API No: 30-025-10041
 L5/L6: LB10200
 Spud Date: 1/7/47
 Compl. Date: 4/11/47

Surf. Csg: 13 3/8" 44.5# SW Csg
Set: @ 156' w/ 150 sks
Hole Size: 17"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Interm. Csg: 9 5/8", 36#, J-55
Set: @ 2880' w/ 1200 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tbg Detail:
 BP @ 4060'
 1 jt. 2 7/8" tbg
 2 7/8" x 4" perf sub
 SN @ 4025'
 1 jt. 2 7/8" EUE 8R J-55 IPC tbg
 5 jts. 2 7/8" EUE 8R J-55 tbg
 TAC @ 3900'
 126 jts. 2 7/8" EUE 8R J-55 tbg

Perfs:	Status
3954-58'	San Andres - Open
3960-66'	San Andres - Open
3977-82'	San Andres - Open
3988-96'	San Andres - Open
4003-07'	San Andres - Open
4018-21'	San Andres - Open

CIBP @ 4080'

Block Sqz Perfs @ 4100'
 (Sqzd with 325 sks)

CIBP @ 5150'
 (35' cmt on top)

5174-86'	Paddock - Below CIBP
5243-49'	Paddock - Below CIBP
5252-56'	Paddock - Below CIBP
5265-69'	Paddock - Below CIBP
5274-87'	Paddock - Below CIBP
5347-54'	Paddock - Below CIBP

5581-86'	Blinebry - Cmt Sqzd
5616-20'	Blinebry - Cmt Sqzd
5625-28'	Blinebry - Cmt Sqzd
5633-35'	Blinebry - Cmt Sqzd
5655-61'	Blinebry - Cmt Sqzd
5695-97'	Blinebry - Cmt Sqzd
5703-08'	Blinebry - Cmt Sqzd
5716-20'	Blinebry - Cmt Sqzd

CIBP @ 5900'
 (20' cmt on top)

5938-44'	Tubb - Below CIBP
5954-60'	Tubb - Below CIBP
5980-86'	Tubb - Below CIBP
5998-6002'	Tubb - Below CIBP
6054-60'	Tubb - Below CIBP
6065-68'	Tubb - Below CIBP
6078-80'	Tubb - Below CIBP
6089-94'	Tubb - Below CIBP
6102-12'	Tubb - Below CIBP
6124-30'	Tubb - Below CIBP
6155-57'	Tubb - Below CIBP

CIBP @ 6310'
 (10' hydromite on top)

7882-7904'	Simpson - Below CIBP
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CICR @ 7918'

7935-43'	Ellenburger - Cmt Sqzd
8018-44'	Ellenburger - Cmt Sqzd
8055-8106'	Ellenburger - Cmt Sqzd

COTD: 4080'
 PSTD: 4080'
 TD: 8110'

Prod. Csg: 7", 23 & 26#, J-55 & N-80
Set: @ 8110' w/ 500 sks
Hole Size: 8 1/4"
Circ: No **TOC:** 4120'
TOC By: Temperature Survey

Updated: 11/8/05

By: A. M. Howell

Well: **E. A. Sticher # 4**Field: **Eunice SW**Reservoir: **San Andres**

Location:
 2130' FSL & 810' FWL
 Section: 4
 Township: 22S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3444'
 KB: 3457'
 DF: 3456'

Proposed
Wellbore Diagram

Well ID Info:

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 API No: 30-025-10041
 L5/L6: LB10200
 Spud Date: 1/7/47
 Compl. Date: 4/11/47

Surf. Csg: 13 3/8" 44.5# SW Csg
Set: @ 156' w/ 150 sks
Hole Size: 17"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Intern. Csg: 9 5/8", 36#, J-55
Set: @ 2880' w/ 1200 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

Centriflgt sub pump @ 3900'
 2-7/8" x 10' tbg sub
 SN @ 3840'
 124 jts 2-7/8" EUE J-55 8rd tbg

Block Sqz Perfs @ 4100'
 (Sqzd with 325 sks)

CIBP @ 5150'
 (35' cmt on top)

CIBP @ 5900'
 (20' cmt on top)

CIBP @ 6310'
 (10' hydromite on top)

CICR @ 7918'

COTD: 5115'
PBTD: 5115'
TD: 8110'

Updated: 11/8/05

By: A. M. Howell

Perfs:	Status
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4018-21'	San Andres - Open
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4058-64'	San Andres - Open
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4094-98'	San Andres - Open

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6124-30'	Tubb - Below CIBP
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