

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.	30-025-33782
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	V.M. HENDERSON
8. Well No.	16
9. Pool Name or Wildcat	PADDOCK
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3501'

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 PERMIT (FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>E</u> : <u>1650</u> Feet From The <u>NORTH</u> Line and <u>660</u> Feet From The <u>WEST</u> Line Section <u>30</u> Township <u>21-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3501'

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

NOTICE OF INTENTION TO:

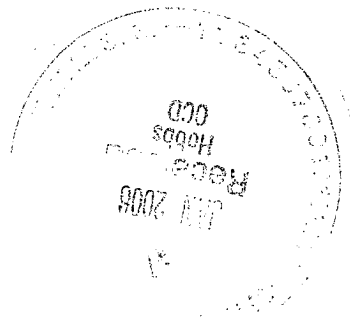
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ CLEANOUT, 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 PADDOCK RESERVOIR IN THE SUBJECT WELL, CLEANOUT, AND ACIDIZE.
THE INTENDED PROCEDURE, AND CURRENT AND PROPOSED WELLBORE DIAGRAM ARE ATTACHED FOR YOUR APPROVAL.
THIS WELL IS ON THE INACTIVE WELL LIST.



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 1/16/2006
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER
CONDITIONS OF APPROVAL, IF ANY:

DATE JAN 23 2006
DeSoto/Nichols 12-93 ver 1.0

V. M. Henderson # 16

Paddock Field

T21S, R37E, Section 30

Job: Cleanout Wellbore, Add Perfs In Paddock 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. 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 workover unit. Install BOP's and test to 1000 psi. POH LD 2 7/8" tbg string. PU 4 3/4" MT bit and GIH on 2 7/8" EUE 8R L-80 work string to top of cut tbg at 5078'. Establish reverse circulation using 8.6 PPG cut brine. Reverse circulate well clean from 5078'. POH with 2 7/8" work string and 4 3/4" bit. LD bit.
3. PU and GIH with 5 1/2" treating pkr to 5000'. Set pkr at 5000' and pressure test csg and pkr to 350 psi. MI & RU pump truck with 500 gals 15% NEFE HCl acid. Pump down tbg and displace acid past stuck TAC at 5093' at 1/2 BPM. Displace acid with 40 bbls 8.6 PPG cut brine water down tbg. **Note: Do not exceed 350 psi csg pressure at any time during workover due to cmt sqzd perfs at 4035-4170'. San Andres perfs**
4. Release pkr. POH with 2 7/8" work string and pkr. LD pkr. PU & GIH with 4 1/2" overshot, DC's, accelerator & bumper jars on 2 7/8" work string to top of cut tbg joint at 5078'. Engage fish at 5078' and jar TAC free. POH with work string and fish. LD fish, overshot, DC's and jars.
5. PU 4 3/4" MT bit and GIH on 2 7/8" work string to PBTD at 5365'. Establish reverse circulation using 8.6 PPG cut brine. LD and drill out cement and CIBP at 5400'. Cleanout/push CIBP to approximately 6000'. Reverse circulate well clean from 6000'. POH with 2 7/8" work string and 4 3/4" bit. LD bit.
6. PU and GIH with 5 1/2" treating pkr and RBP to 5400'. Set pkr at 5400' with RBP swinging. Pressure test csg and pkr to 350 psi. GIH and swab perfs 5487-5604'. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
7. Release pkr. PUH and set RBP at 5000'. Pressure test RBP to 1000 psi. PUH and set pkr at 3800'. Pressure test csg and pkr to 500 psi. GIH and swab sqzd perfs 4035-4170'. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss**

swab results with Engineering before continuing with procedure. If significant water production is swabbed from sqzd perfs, re-squeeze interval 4035-4170'.

8. Release pkr at 3800'. LD and engage RBP at 5000'. Release RBP. POH with 2 7/8" work string, pkr, and RBP. LD pkr and RBP.
9. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and set CIBP at 5475'. POH. GIH with 3 3/8" Predator casing guns and perforate from 5152-60', 5170-78', 5196-5206', 5212-22', 5228-38', 5242-46', 5268-72', 5280-86', 5292-96', 5322-28', 5336-44', 5356-64', 5370-78', and 5450-60' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit. **Note: Use collars from Schlumberger CBL/GR/CCL Log dated 3/5/97 for depth correlation.**
10. PU and GIH w/ 5 1/2" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 5150'. Test tbg to 5500 psi while GIH.
11. MI & RU DS Services. Acidize perfs 5152-5460' with 2,800 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
5450-60'	200 gals	1 BPM	5449-61'
5370-78'	200 gals	1 BPM	5368-80'
5356-64'	200 gals	1 BPM	5355-67'
5336-44'	200 gals	1 BPM	5335-47'
5322-28'	200 gals	1 BPM	5320-32'
5292-96'	200 gals	1 BPM	5287-99'
5280-86'	200 gals	1 BPM	5275-87'
5268-72'	200 gals	1 BPM	5262-74'
5242-46'	200 gals	1 BPM	5240-52'
5228-38'	200 gals	1 BPM	5227-39'
5212-22'	200 gals	1 BPM	5211-23'
5196-5206'	200 gals	1 BPM	5195-5207'
5170-78'	200 gals	1 BPM	5168-80'
5152-60'	200 gals	1 BPM	5150-62'

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

12. Release PPI pkr and PUH to approximately 5125'. 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.**
13. Open well. MI & RU pump truck. Pump down tbg with 50 bbls 8.6 PPG cut brine water containing 55 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.
14. PU and GIH w/ Centrilift sub pump assembly, drain sub, 2 7/8" x 6' tbg sub, SN, and 166 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 5200'.
15. Remove BOP's and install WH. RD & release workover unit.
16. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
1/10/2006

Well: **V. M. Henderson # 16**Field: **Paddock**Reservoir: **Paddock****Location:**

1650' FNL & 660' FWL
 Section: 30
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3501'
 KB: 3513'
 DF: 3512'

Current
Wellbore Diagram

Well ID Info:

Chevno: BS3849
 API No: 30-025-33782
 L5/L6: U482000
 Spud Date: 2/13/97
 Compl. Date: 4/2/97

Surface Csg: 8 5/8", 24#, WC-50
 Set: @ 1208' w/ 500 sks
 Hole Size: 11"
 Circ: Yes TOC: Surface
 TOC By: Circulated

Tbg Detail:

BP @ 5300'
 1 jt. 2 7/8" tbg
 2 7/8" x 4' perf sub
 SN @ 5265' (pump on seat)
 1 jt. 2 7/8" EUE 8R J-55 IPC tbg
 5 jts. 2 7/8" EUE 8R J-55 tbg
 TAC @ 5093'
 15' of 2 7/8" J-55 tbg (cut jt)

130 jts. 2 7/8" EUE 8R J-55 tbg
 (open-ended)

Top Of Cut Tbg @ 5078'

CIBP @ 5400'
 (35' cmt on top)

CIBP @ 6600'
 (35' cmt on top)

COTD: 5365'
 PBTd: 5365'
 TD: 6900'

Updated: 1/9/06

By: A. M. Howell

Perfs:	Status:
4035-39'	San Andres - Cmt Sqzd
4057-62'	San Andres - Cmt Sqzd
4066-71'	San Andres - Cmt Sqzd
4079-95'	San Andres - Cmt Sqzd
4097-4103'	San Andres - Cmt Sqzd
4170'	San Andres - Cmt Sqzd

5196-98'	Paddock - Open
5204-06'	Paddock - Open
5212-14'	Paddock - Open
5220-22'	Paddock - Open
5234-36'	Paddock - Open

5487-92'	Blinbry - Below CIBP
5509-24'	Blinbry - Below CIBP
5551-53'	Blinbry - Below CIBP
5578-84'	Blinbry - Below CIBP
5588-94'	Blinbry - Below CIBP
5601-04'	Blinbry - Below CIBP

6644-55'	Drinkard - Below CIBP
6666-78'	Drinkard - Below CIBP
6684-92'	Drinkard - Below CIBP
6695-6700'	Drinkard - Below CIBP

Prod. Csg: 5 1/2", 15.5# WC-50
 Set: @ 6900' w/ 2100 sks
 Hole Size: 7 7/8"
 Circ: No TOC: 2940'
 TOC By: CBL

Well: **V. M. Henderson # 16**Field: **Paddock**Reservoir: **Paddock****Location:**

1650' FNL & 660' FWL
 Section: 30
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3501'
 KB: 3513'
 DF: 3512'

Proposed
Wellbore Diagram

Well ID Info:

Chevno: BS3849
 API No: 30-025-33782
 L5/L6: U482000
 Spud Date: 2/13/97
 Compl. Date: 4/2/97

Surface Csg: 8 5/8", 24#, WC-50

Set: @ 1208' w/ 500 sks

Hole Size: 11"

Circ: Yes TOC: Surface

TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	12.00
166	Jts. 2 7/8" J-55	5146.00
	2 7/8" x 6" Tbg Sub	6.00
	Drain Valve	0.55
	2 7/8" x 2 3/8" X-Over	0.60
	Centriflgt Sub Pump	35.41
166	Bottom Of Mtr >>	5200.56

Perfs:**Status:**

4035-39' San Andres - Cmt Sqzd
 4057-62' San Andres - Cmt Sqzd
 4066-71' San Andres - Cmt Sqzd
 4079-95' San Andres - Cmt Sqzd
 4097-4103' San Andres - Cmt Sqzd
 4170' San Andres - Cmt Sqzd

5152-60' Paddock - Open
 5170-78' Paddock - Open
 5196-5206' Paddock - Open
 5212-22' Paddock - Open
 5228-38' Paddock - Open
 5242-46' Paddock - Open
 5268-72' Paddock - Open
 5280-86' Paddock - Open
 5292-96' Paddock - Open
 5322-28' Paddock - Open
 5336-44' Paddock - Open
 5356-64' Paddock - Open
 5370-78' Paddock - Open
 5450-60' Paddock - Open

5487-92' Blinebry - Below CIBP
 5509-24' Blinebry - Below CIBP
 5551-53' Blinebry - Below CIBP
 5578-84' Blinebry - Below CIBP
 5588-94' Blinebry - Below CIBP
 5601-04' Blinebry - Below CIBP

6644-55' Drinkard - Below CIBP
 6666-78' Drinkard - Below CIBP
 6684-92' Drinkard - Below CIBP
 6695-6700' Drinkard - Below CIBP

CIBP @ 5475'
 (No cmt on top)

CIBP @ 6600'
 (35' cmt on top)

COTD: 5365'
 PBTD: 5365'
 TD: 6900'

Updated: 1/9/06

By: A. M. Howell

Prod. Csg: 5 1/2", 15.5# WC-50

Set: @ 6900' w/ 2100 sks

Hole Size: 7 7/8"

Circ: No TOC: 2940'

TOC By: CBL