Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

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State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

WELL API NO. 30-025-32159	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name B.F. HARRISON "B"
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 18
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	10. Pool name or Wildcat TEAGUE,N. GLORIETA/PADDOCK
4. Well Location Unit Letter D: 990 feet from the NORTH line and 660 feet from the WEST line Section 9 Township 23-S Range 37-E NMPM County LEA	
[redacted]	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3319' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ADD PERFS & FRAC STIM GLORIETA		OTHER:	

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS & FRAC STIMULATE THE GLORIETA.
THE INTENDED PROCEDURE & CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL..

Spud Date: Rig Release Date:

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 11-04-2008

Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE NOV 12 2008

Conditions of Approval (if any):

B. F. Harrison B # 18
Teague North Field
T23S, R37E, Section 9
Job: Add Perfs In Glorieta Formation And Frac

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 10/1/2008. 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/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.

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. Remove WH. Install BOP's and test as required.

4. MI & RU electric line unit. GIH to top of fish inside 2 7/8" tbg at 3862'. Fire string shot and back-off 2 7/8" tbg at coupling above top of rod fish. POH with string shot. RD and release electric line unit.

5. POH with 2 7/8" tbg. PU & GIH with DC's, bumper jars, and accelerator jars on 2 7/8" work string to top of 2 7/8" tbg in 5 ½" casing at approximately 3862'. Screw into top of 2 7/8" tbg at approximately 3862'. Jar TAC free and POH with 2 7/8" work string and fish. LD TAC, DC's and jars.

6. PU and GIH with 4 ¾" MT bit and 2 7/8" work string to PBTD at 5130'. Reverse circulate well clean from 5130' using 8.6 PPG cut brine water. POH with work string and bit. LD bit.

7. MI & RU Gray WL electric line unit. Install lubricator and test to 1000 psi. GIH with 3 3/8" RHSC Gunslinger EXP-3325-321T casing guns (0.42" EH & 47" penetration) and perforate open-hole from 5042-46', 5080-90', and 5106-22' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: Use csg collars from Schlumberger GR/CNL Log dated 5/21/00 for depth correction.**

8. PU and GIH w/ 5 ½" 10K treating pkr & On-Off tool w/ 2.25" "F" profile and 161 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 4900'. Install frac head. Pressure annulus to 350 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication. **Note: Do not exceed 350 psi casing pressure due to cmt sqzd perfs in wellbore from 3896-4874'.**

9. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **30 BPM** with 55,000 gals of 50-70 Quality CO2 Foamed WF150 and 82,500 lbs. 16/30 mesh Jordan Sand. Observe a maximum surface treating pressure of **8000 psi**. Tag frac with 1 radioactive isotope in all sand stages. Pump job as follows:

   Pump 20,000 gals WF150 70Q Foam pad
   Pump 11,000 gals WF150 50Q Foam pad containing 0.5 PPG 16/30 mesh Jordan Sand
   Pump 4,000 gals WF150 50Q Foam containing 1 PPG 16/30 mesh Jordan Sand
   Pump 4,000 gals WF150 50Q Foam containing 2 PPG 16/30 mesh Jordan Sand
   Pump 5,000 gals WF150 50Q Foam containing 3 PPG 16/30 mesh Jordan Sand
   Pump 5,000 gals WF150 50Q Foam containing 4 PPG 16/30 mesh Jordan Sand and PropNET
   Pump 6,000 gals WF150 50Q Foam containing 5 PPG 16/30 mesh Jordan Sand and PropNET.

   Flush to 4900' with 1,790 gals WF150. **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. Note: DS should bring enough PropNet to location to add to all sand stage if needed for pressure reduction.**

10. Open well. Bleed off pressure. Pump down tbg with 8.6 PPG cut brine water if necessary to kill well. Release pkr and POH with 3 ½" work string. Lay down 3 ½" work string and pkr.

11. PU and GIH with 4 ¾" MT bit on 2 7/8" work string to COTD at 5130'. If fill is found, clean out to 5130' using 8.6 PPG cut brine water. POH with 2 7/8" work string and bit. LD bit. **Note: If well will not circulate, use air unit and cleanout using foam.**

12. PU & GIH with 5 ½" pkr on 2 7/8" tbg string to 4900'. Set pkr at 4900'. **Do not swab well.** MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 5130' up to 4500'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Schlumberger GR/CNL Log dated 5/21/00. Also, do not swab well before running PRISM Log.**

13. 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 pkr. POH LD 2 7/8" work string and packer.

14. 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, 39 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 3815', with EOT at 5105' and SN at 5070'.

15. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release workover unit.

16. Turn well over to production. **Leave well shut in for 2 weeks after rig moves off for CO2 to soak.** Put well on production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
10/21/2008

Well: **B. F. Harrison B # 18H** Field: **Teague North** Reservoir: **Glorieta/Paddock**

Location:
990' FNL & 660' FWL
Section 9
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3319'
KB 3331'
DF: 3330'

Current Wellbore Diagram

Well ID Info:
Chevno: QU2088
API No: 30-025-32159
I S/I 6: UB20500
Spud Date: 9/5/93
Compl Date: 11/19/93

Surface Csg: 8 5/8", 24#, WC-50
Set: @ 1180' w/ 650 sks
Hole Size: 12 1/4"
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	12.00
159	Jts. 2 7/8" EUE 8R J-55 Tbg	4940.56
	TAC	2.70
4	Jts. 2 7/8" EUE 8R J-55 Tbg	126.17
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	30.00
	SN	1.10
	2 7/8" x 4' Tbg Sub	4.00
1	3 1/2" EUE 8R J-55 Slotted MA	31.22
166	Bottom Of String >>	5147.75

Fish Inside Tbg: (Top at 3862')
31 - 3/4" Gr D Rods
18 - 1 1/2" Gr K Sinker Bars
Rod Pump

Perfs: **Status.**

3896-3902'	San Andres - Cmt Sqzd
3926-40'	San Andres - Cmt Sqzd
3960'	San Andres - Cmt Sqzd
3964-70'	San Andres - Cmt Sqzd
3982'	San Andres - Cmt Sqzd
3986-94'	San Andres - Cmt Sqzd
4686-94'	San Andres - Cmt Sqzd
4700-04'	San Andres - Cmt Sqzd
4711-14'	San Andres - Cmt Sqzd
4721-23'	San Andres - Cmt Sqzd
4734-38'	San Andres - Cmt Sqzd
4860-74'	San Andres - Cmt Sqzd

TOW @ 4975'
BOW @ 4980'
Lateral Cement Sqzd
TD of Glorieta/U Paddock Lateral @ 6150' MD

Prod. Csg: 5 1/2", 15.5 & 17#, J-55
Set: @ 5000' w/ 1225 sks
Hole Size: 7 7/8"
Circ: No **TOC:** 1300'
TOC By: Temperature Survey
(250 sks cmt pumped down 8 5/8" x 5 1/2" annulus 9/93)

Cement Plug f/ 5130-5388'

Glorieta/Paddock OH f/ 5000-5400'

COTD: 5130'
PBTD: 5130'
TVD: 5400'

Updated: 10/21/2008 **By:** A. M. Howell

Well **B. F. Harrison B # 18H** Field: **Teague North** Reservoir: **Glorieta/Paddock**

Location:
990' FNL & 660' FWL
Section: 9
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3319'
KB: 3331'
DF: 3330'

Proposed Wellbore Diagram

Well ID Info:
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API No: 30-025-32159
L5/L6 U820500
Spud Date: 9/5/93
Compl Date: 11/19/93

Surface Csg: 8 5/8", 24#, WC-50
Set: @ 1180' w/ 650 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

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	KB Correction	12.00
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	TAC	2.70
39	Jts. 2 7/8" EUE 8R J-55 Tbg	1209.00
1	Jt 2 7/8" EUE 8R J-55 IPC Tbg	30.00
	SN	1.10
	2 7/8" x 4' Tbg Sub	4.00
1	3 1/2" EUE 8R J-55 Slotted MA	31.22
164	Bottom Of String >>	5103.02

Perfs: **Status:**

3896-3902'	San Andres - Cmt Sqzd
3926-40'	San Andres - Cmt Sqzd
3960'	San Andres - Cmt Sqzd
3964-70'	San Andres - Cmt Sqzd
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3986-94'	San Andres - Cmt Sqzd
4686-94'	San Andres - Cmt Sqzd
4700-04'	San Andres - Cmt Sqzd
4711-14'	San Andres - Cmt Sqzd
4721-23'	San Andres - Cmt Sqzd
4734-38'	San Andres - Cmt Sqzd
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TOW @ 4976'
BOW @ 4980'

Lateral Cement Sqzd

TD of Glorieta/U. Paddock lateral @ 6160' MD

Prod. Csg: 5 1/2", 15.5 & 17#, J-55
Set: @ 5000' w/ 1225 sks
Hole Size: 7 7/8"
Circ: No **TOC:** 1300'
TOC By: Temperature Survey
(250 sks cmt pumped down 8 5/8" x 5 1/2" annulus 9/03)

Cement Plug frl 5130-5388'

OH Glorieta Perfs
5042-46'
5080-90'
5106-22'

Glorieta/Paddock OH frl 5000-5400'

COTD: 5130'
PBTD: 5130'
TVD: 5400'

Updated: 10/21/2008

By: A. M. Howell