

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.	30-025-35643
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	B.F. HARRISON 'B'
8. Well No.	28
9. Pool Name or Wildcat	TEAGUE DRINKARD ABO NORTH/TGE TUBB
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3334' GR

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 <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>I</u> : <u>1650'</u> Feet From The <u>SOUTH</u> Line and <u>840'</u> Feet From The <u>EAST</u> Line Section <u>5</u> Township <u>23-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3334' GR

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: ACIDIZE & RETURN TO PRODUCTION ☒

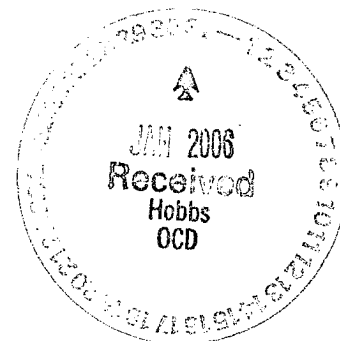
**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

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 ACIDIZE THE SUBJECT WELL & RETURN IT TO PRODUCTION. THE WELL WILL BE TA'D FIRST. (INTENT SENT IN)

THE INTENDED PROCEDURE AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.



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 1/30/2006  
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

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

DATE

DeSoto/Nichols 12-93 ver 1.0  
FEB 01 2006

**B. F. Harrison B # 28**  
**Teague North Field**  
**T23S, R37E, Section 5**  
**WBS # UWDOL-R6**  
**Job: Acidize And Return Well To Production**

**Procedure:**

1. Install flowline. 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. Bleed pressure from well, if any. Pump down tbg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test csg and BOP's to 3000 psi. Release pkr. POH with 2 7/8" tbg string. LD pkr.
3. PU and GIH with 4 3/4" MT bit and 2 7/8" work string to COTD at approximately 7165'. Tag bottom w/ bit. POH with 4 3/4" bit and work string. LD bit. PU and GIH with hydrostatic bailer and 2 7/8" work string to top of fill in 5 1/2" casing. LD and bail out fill to PBTD at 7180'. POH with work string and bailer. LD bailer.
4. PU and GIH w/ 5 1/2" RBP w/ ball catcher and treating pkr on 2 7/8" work string to approximately 7140'. Test tbg to 7500 psi while GIH. Set RBP at 7140'. PUH and set pkr at 6875'.
5. MI & RU DS Services. Acidize perms 6890-7128' with 6,000 gals anti-sludge 20% HCl acid\* and 7,200 gals 20% Super X emulsified acid\*\* at a maximum rate of **8 BPM** and a maximum surface pressure of **7500 psi**. Start pumping acid into formation at 1/2 **BPM** and increase rate up to the maximum of **8 BPM** as the treating pressure drops off. Pump job as follows:

Pump 1,000 gals regular acid at 8 BPM

Pump 2,400 gals Super X acid at 8 BPM

Pump 1,000 gals regular acid at 8 BPM

Pump 1,000 gals 2% KCl water with 20 GPT U-66 & 1 GPT F-108 **and 45 - 1.3 BS's** at 8 BPM

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Pump 2,400 gals Super X acid at 8 BPM

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Pump 1,000 gals regular acid at 8 BPM

Pump 2,400 gals Super X acid at 8 BPM

Pump 1,000 gals regular acid at 8 BPM

Displace acid with 2% KCl water containing 20 GPT U-66 & 1 GPT F-108 -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's. **Note: Do not pickle tbg due to the low BHP.**

6. Release pkr. LD and engage RBP at 7140'. Release RBP. PUH and reset RBP at 6875'. PUH and reset pkr at 6350'.
7. Pump down 2 7/8" tubing and acidize perfs 6448-6865' with 8,000 gals 15% anti-sludge HCl acid \*\*\* at a pump rate of **8 BPM** and a maximum treating pressure of **7500 psi**. Drop 300 - 1.3 sp. gr. 7/8" ball sealers evenly distributed throughout treatment. Displace acid with 2% KCl water containing 20 GPT U-66 & 1 GPT F-108 -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's.
8. Release pkr. LD and engage RBP at 6875'. Release RBP. PUH and reset RBP at 6400'. POH with work string and treating packer. LD packer.
9. PU and GIH w/ 5 1/2" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 6200'.
10. Pump down 2 7/8" work string and acidize perfs 6214-6326' with 6,500 gals anti-sludge 15% HCl acid\*\*\* at a maximum rate of **2 BPM** and a maximum surface pressure of **4500 psi**. Spot acid to bottom of tbg at beginning of each stage. Start pumping acid into formation at 1/2 **BPM** and increase rate up to the maximum of **2 BPM** as the treating pressure drops off. Pump job as follows:

Interval	Amt. Acid	PPI Setting
6322-26'	400 gals	6320-32'
6294-6304'	1000 gals	6294-6306'
6284-94'	1000 gals	6282-94'
6272-74'	200 gals	6270-82'
6258-67'	900 gals	6256-68'
6243-53'	1000 gals	6242-54'
6228-39'	1100 gals	6227.5-39.5'
6214-23'	900 gals	6212-24'

Displace acid with 2% KCl water containing 20 GPT U-66 & 1 GPT F-108 -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services.

\* 20% HCl 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

** Super X acid system is to contain:	30% Diesel	Diesel Fuel
	70% Acid	20% HCl Acid
	1 GPT A264	Corrosion Inhibitor
	3 GPT L63	Iron Control
	1 GPT A179	Iron Control Aid
	5 GPT W53	Emulsifier

*** 15% HCl 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

11. Release PPI pkr and PUH to approximately 6200'. Swab back Tubb interval. 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.
12. Open well. Release PPI pkr. POH with 2 7/8" work string and PPI packer. LD PPI pkr. PU retrieving head for RBP and treating pkr and GIH to top of RBP at 6400'. Engage RBP at 6400'. Release RBP and lower downhole to 7140'. Set RBP at 7140'. PUH and set pkr at 6400'.
13. GIH and swab back Drinkard and Abo intervals together. Recover 100% of treatment and load volumes, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels.  
**Note: Discuss swab results with Engineering to determine if additional selective swabbing is required.**
14. Release pkr. LD to top of RBP at 7140'. Engage RBP at 7140'. Release RBP and POH LD 2 7/8" work string, pkr, and RBP.
15. 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, 30 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 196 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 6155', with EOT at 7160' and SN at 7125'.
16. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release workover unit.
17. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Well: **BF HARRISON "B" 28**Field: **TEAGUE NORTH**Reservoir: **Tubb/Drinkard/Abo****Location:** 1520' FSL

1520' FEL

Section: 5 (NW/4 SE/4)

LOT: J

RANGE &amp; TS: 23S 37E

County: LEA

**Current  
Wellbore Diagram****Well ID Info:**

Refno: HI0267  
 API No: 30-025-35643  
 L5/L6: UCU820500  
 Spud Date: 10/22/2002  
 Compl. Date: 11/7/2002  
 Wellbore #: 448739

**Elevations:**

GL: 3334'

DF:

KB:

**Surf. Csg:** 8 5/8"  
 24#

**Set:** @ 1200'**With:** 700 SX CMT**Hole Size:** 12 1/4"**Circ:****TOC @****Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	15.00
196	Jts. 2 7/8" EUE 8R J-55 Tbg	6140.01
	TAC	2.80
30	Jts. 2 7/8" EUE 8R J-55 Tbg	934.60
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	30.83
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.55
	Bull Plug	0.50
<b>228</b>	<b>Bottom Of String &gt;&gt;</b>	<b>7160.39</b>

**TUBBS PERFS:** 6214'-6223', 6228'-6239'  
 6243'-6253', 6258'-6267', 6272'-6274'  
 6284'-6304', 6322'-6326'

**DRINKARD PERFS:** 6448'-6450' 6463'-6465'  
 6477'-6490' 6535'-6537' 6554'-6556' 6568'-6570'  
 6596'-6598' 6611'-6627' 6631'-6639' 6652'-6656'  
 6663'-6666' 6673'-6697'

**UPPER ABO PERFS:** 6737'-6752' 6779'-6784'  
 6800'-6816' 6822'-6827' 6834'-6838' 6841'-6865'

**LOWER ABO PERFS:** 6890'-6896' 6907'-6914'  
 6919'-6924' 6966'-6974' 6990'-6992' 7007'-7009'  
 7016'-7023' 7026'-7028' 7052'-7054' 7065'-7067'  
 7082'-7085' 7094'-7098' 7111'-7119' 7124'-7128'

**Prod. Csg:** 5 1/2  
 15  
 0

**Set @** 7,200'**With:****Hole Size:****Circ:****TOC @** 0'**COTD:** 7,165'**PBTD:** 7,180'**TD:** 7,200'**Updated:** 18-Nov-02**By:** G.R. WINK

Well: **BF HARRISON "B" 28**Field: **TEAGUE NORTH**Reservoir: **Tubb/Drinkard/Abo**

**Location:** 1520' FSL  
 1520' FEL  
**Section:** 5 (NW/4 SE/4)  
**LOT:** J  
**RANGE & TS:** 23S 37E  
**County:** LEA

### Proposed Wellbore Diagram

**Well ID Info:**

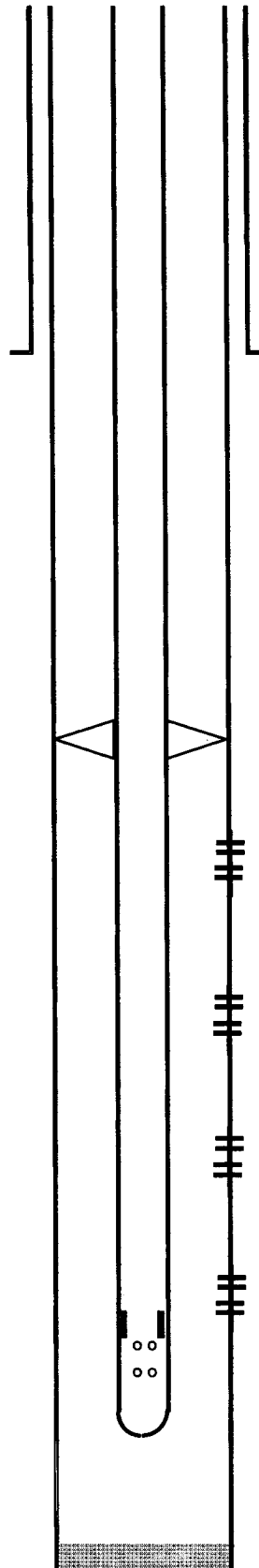
**Refno:** HI0267  
**API No:** 30-025-35643  
**L5/L6:** UCU820500  
**Spud Date:** 10/22/2002  
**Compl. Date:** 11/7/2002  
**Wellbore #** 448739

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**DF:**  
**KB:**

**Surf. Csg:** 8 5/8"  
 24#

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**With:** 700 SX CMT  
**Hole Size:** 12 1/4"  
**Circ:**  
**TOC @**

**Tubing Detail:**

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 7082'-7085' 7094'-7098' 7111'-7119' 7124'-7128'

**Prod. Csg:** 5 1/2  
 15  
 0  
**Set @** 7,200'  
**With:**  
**Hole Size:**  
**Circ:**  
**TOC @** 0'

**COTD:** 7,180'  
**PBTD:** 7,180'  
**TD:** 7,200'

**Updated:** 26-Jan-06  
**By:** AMH