

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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

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

WELL API NO. 30-025-31199
5. Indicate Type of Lease STATE <input checked="" 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 Number 3
9. OGRID Number 4323
10. Pool name or Wildcat TEAGUE DEVONIAN, NW 58365

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.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter C 340 feet from the NORTH line and 1700 feet from the WEST line Section 9 Township 23-S Range 37-E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3314' GL	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER SHUTOFF WTR PROD, ADD PERFS, INSTL SUB PUMP		OTHER: <input type="checkbox"/>	

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 SHUT OFF WATER, ADD PERFS, & INSTALL SUB PUMP EQUIPMENT.  
THE INTENDED PROCEDURE AND WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 04-22-2008

Type or print name Denise Pinkerton E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

Telephone No. 432-687-7375

**For State Use Only**

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER

DATE MAY 15 2008

Conditions of Approval (if any):

RECEIVED  
APR 24 2008  
HOBBS OCD

**B. F. Harrison B # 3**

**Teague; Devonian NW Field**

**T23S, R37E, Section 9**

**Job: Shut-off Water, Add Perfs, And Install Sub Pump Equipment**

**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 4/17/2008. 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 pulling 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. POH with 2 7/8" tbg string. Send sub pump in for testing, if present.
4. PU and GIH with 4 3/4" MT bit and 2 7/8" work string to approximately 8000'. If fill is tagged above 7800', MI & RU air unit and cleanout to 8000' using foam. POH with 2 7/8" work string and bit. LD bit.
5. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH with 3 3/8" Predator casing guns and perforate from 7434-44', 7640-48', 7677-85', and 7724-28' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit. **Note: Use csg collars from Schlumberger GR/CBL/CCL Log dated 6/27/91 for depth correction.**
6. PU & GIH 5 1/2" RBP and pkr on 2 7/8" work string to 7700'. Set pkr at 7700' with RBP swinging.
7. GIH and swab test perfs 7724-28'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
8. Open well. Bleed off pressure, if any. Release pkr. Set RBP at 7700'. PUH and set pkr at 7660'.

9. GIH and swab test perms 7677-85'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
10. Open well. Bleed off pressure, if any. Release pkr. LD and engage RBP at 7700'. Release RBP. PUH and reset RBP at 7660'. PUH and set pkr at 7600'.
11. GIH and swab test perms 7640-48'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
12. Open well. Bleed off pressure, if any. Release pkr. LD and engage RBP at 7660'. Release RBP. PUH and set RBP at 7600'. PUH and set pkr at 7500'.
13. GIH and swab test perms 7511-44'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
14. Open well. Bleed off pressure, if any. Release pkr. LD and engage RBP at 7600'. Release RBP. PUH and set RBP at 7500'. PUH and set pkr at 7400'.
15. GIH and swab test perms 7434-87'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**
16. Release pkr. LD and engage RBP at 7500'. Release RBP. POH with 2 7/8" work string, packer, and RBP. LD 2 7/8" work string, packer and RBP.
17. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and set CIBP at 7500'. POH. GIH and dump bail 15' of cement on top of CIBP at 7500'. POH. RD & release electric line unit. **Note: Use csg collars from Schlumberger GR/CBL/CCL Log dated 6/27/91 for depth correction. Also, exact setting depth for CIBP may change after swab testing – consult with Engineering before setting CIBP.**
18. PU and GIH w/ Centrilift sub pump assembly, 2 7/8" x 6' tbg sub, drain sub, and 235 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 7400'.
19. Remove BOP's and install WH. RD & release workover unit. **Note: Confer with ALS and Baker Petrolite Rep regarding prior chemical program and any corrosion seen on well equipment prior to running sub pump.**
20. Start all continuous injection chemicals prior to starting well pumping. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

**Location:**  
 340' FNL & 1700' FWL  
 Section 9  
 Township 23S  
 Range 37E  
 County Lea State NM

**Elevations:**  
 GL 3314'  
 KB 3332'  
 DF 3331'

**Current**  
**Wellbore Diagram**

**Well ID Info:**

Chevno OM2037  
 API No 30-025-31199  
 L5/L6 U820500  
 Spud Date 5/29/91  
 Compl Date 6/27/91

**Surf. Csg:** 13 3/8", 54 5#, J-55  
**Set:** @ 1165' w/ 1100 sks  
**Hole Size:** 17 1/2"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Interm. Csg:** 9 5/8", 40# L-80  
**Set:** @ 3750' w/ 1600 sks  
**Hole Size:** 12 1/4"  
**Circ:** No **TOC:** 200'  
**TOC By:** Temperature Survey

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	18 00
124	Jts 2 7/8" J-55 Tbg	3941 25
	Drain Valve	0 53
	2 7/8" x 4" Tbg Sub	4 10
	2 7/8" x 2 3/8" X-Over	0 60
	Centrlift Sub Pump	53 79
124	Bottom Of Mtr >>	4018 27

**CIBP @ 8735'**  
 (50' cmt on top)

**COTD:** 8658'  
**PBTD:** 8658'  
**TD:** 8907'

**Updated:** 4/17/08

**By:** A M Howell

Perfs:	Status:
7446-56'	Devonian - Open
7459-66'	Devonian - Open
7469-82'	Devonian - Open
7486-87'	Devonian - Open
7511-18'	Devonian - Open
7532-44'	Devonian - Open

Perfs:	Status:
8786-90'	Fusselman - Below CIBP
8794-99'	Fusselman - Below CIBP
8810-24'	Fusselman - Below CIBP
8828-46'	Fusselman - Below CIBP

**Prod. Csg:** 5 1/2", 17# J-55 & L-80  
**Set:** @ 8907' w/ 2200 sks  
**Hole Size:** 8 3/8"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Location:**

340' FNL & 1700' FWL  
 Section 9  
 Township 23S  
 Range 37E  
 County Lea State NM

**Proposed**  
**Wellbore Diagram**

**Well ID Info:**

Cheveno OM2037  
 API No 30-025-31199  
 L5/L6 U820500  
 Spud Date 5/29/91  
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**Elevations:**

GL 3314'  
 KB 3332'  
 DF 3331'

**Surf. Csg:** 13 3/8", 54 5#, J-55  
**Set:** @ 1165' w/ 1100 sks  
**Hole Size:** 17 1/2"  
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**TOC By:** Circulated

**Interm. Csg:** 9 5/8", 40# L-80  
**Set:** @ 3750' w/ 1600 sks  
**Hole Size:** 12 1/4"  
**Circ:** No **TOC:** 200'  
**TOC By:** Temperature Survey

**Tubing Detail:**

<u>#Jts</u>	<u>Size</u>	<u>Footage</u>
	KB Correction	18 00
233	Jts 2 7/8" J-55 Tbg	7323 00
	Drain Valve	0 53
	2 7/8" x 4' Tbg Sub	4 10
	2 7/8" x 2 3/8" X-Over	0 60
	Centrlift Sub Pump	53 79
233	Bottom Of Mtr >>	7400 02

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.

**CIBP @ 7500'**  
 (15' cmt on top)

<b>Perfs:</b>	<b>Status:</b>
7434-44'	Devonian - Open
7446-56'	Devonian - Open
7459-66'	Devonian - Open
7469-82'	Devonian - Open

7486-87'	Devonian - Below Cmt Plug
7511-18'	Devonian - Below CIBP
7532-44'	Devonian - Below CIBP
7640-48'	Devonian - Below CIBP
7677-85'	Devonian - Below CIBP
7724-28'	Devonian - Below CIBP

**CIBP @ 8735'**  
 (50' cmt on top)

<b>Perfs:</b>	<b>Status:</b>
8786-90'	Fusselman - Below CIBP
8794-99'	Fusselman - Below CIBP
8810-24'	Fusselman - Below CIBP
8828-46'	Fusselman - Below CIBP

**COTD:** 7485'  
**PBTD:** 7485'  
**TD:** 8907'

**Prod. Csg:** 5 1/2", 17# J-55 & L-80  
**Set:** @ 8907' w/ 2200 sks  
**Hole Size:** 8 3/8"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Updated:** 4/17/08

**By:** A M Howell