

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO.	30-045-08554
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unti Agreement Name	Fogelson
8. Well No.	10-1
9. Pool name or Wildcat	Basin Dakota
10. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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 ☐ Gas Well ☒ Other

2. Name of Operator  
Conoco Inc.

3. Address of Operator  
P. O. Box 2197, DU 3084  
Houston, TX 77252-2197

4. Well Location

Unit Letter E : 1850 feet from the North line and 990 feet from the West line

Section 10 Township 29N Range 11W NMPM County San Juan

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
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"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER: Bradenhead Repair <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work). SEE RULE 1103. For Multiple Completions: Attach diagram of proposed completion or recompletion.

In reference to RBDMS CTP0220051641, Conoco Inc. proposes to repair bradenhead leak on the above mentioned well as per the attached procedure.

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

SIGNATURE Yolanda Perez TITLE Sr. Regulatory Analyst DATE 08/14/2002

Type or print name Yolanda Perez

Telephone No. (281)293-1613

(This space for State use) **ORIGINAL SIGNED BY CHARLES T. PERGIN**

**AUG 16 2002**

APPROVED BY \_\_\_\_\_ TITLE SENIOR OIL & GAS INSPECTOR DATE \_\_\_\_\_

Conditions of approval, if any:

**Fogelson 10- 1**  
**API # 30-45-08554-00**  
**Repair Braidenhead Leak**

**Fogelson 10-1**

**W.I    25%**

**AFE #**

Well location: 990 FW1, 1850' FNL Section 10E- 29N- 11 W

**Objective:**

Funds in the amount of \$ 55,000 are requested to repair the Braidenhead leak. This well failed the routine Braidenhead leak test and NMOCD has instructed the operator to rectify the problem within 60 days.. Completed in 1960, the well has produced a total of 2040 MMSCF of gas and has approximately 700 MMSCF recoverable reserves.

**Well History:**

Well was drilled and completed in the Dakota in 1960. Produced from 1960 to 1978. Then shut in for casing leaks. The 1986 the well was worked over. The casing leaks were identified at 3402' to 4362', successfully squeezed with cement and casing tested to 1500 psi. The well is producing since then and current production is 80 MCFPD with plunger lift.

**Well Information:**

TD: 6,738'  
 PBTD: 6705' (cement plug)  
 GLE: 5,723'  
 KBE: 5,735'

**Casing and cementing:**

Pipe	Depth (ft)	Drift ID (inches)	Collapse 80% (psi)	Burst 80% (psi)	Capacity	Cementing
8-5/8" 17.5# lb/foot	250'	8.124				8-5/8" casing cemented with 150 sx cement. Cement circulated to surface.
5-1/2", 15.5# lb/foot	0 – 6,738	4.825	3232	3848		5-1/2" casing cemented with 200 sx cement. Second stage from stage tool below picture cliff cemented with 100 sx cement.  No CBL . Cement top in Well view calculated values.
Cement Squeeze 1986						Casing Leak at 3,402' to 4,362' squeezed with 700 sx cement. Casing tested to 1500 psi after the squeeze.

**Fogelson 10- 1**  
**API # 30-45-08554-00**  
**Repair Braidenhead Leak**

**Tubing Specifications:**

Pipe	Depth (ft)	Drift ID (inches)	Collapse 80% (psi)	Burst 80% (psi)	Capacity (bbl/ft)
2-3/8", 4.7# J-55, 8rd	6,448	1.901	6480	6160	0.00387

**Producing formation:**

Dakota Perforations: 6,434' - 6,604'

**Formation Tops:**

OJAM 661' MD  
KRLD 787' MD  
PC 2,000' MD

**Procedures:**

PJSM is to be carried out for all routine and non-routine operations every day. The Rig crew and the service company personnel must participate in the PJSM. Encourage the crew to actively participate in these meetings.

**THINK SAFETY: WORK SAFELY.**

1. Check Anchors. MI Workover Rig. Lock out tag out. Spot equipment.
2. RU. Bleed off any pressure, kill well with minimal 1% KCL.
3. ND tree and NU BOP's and tag for fill and Turn out of hole with 2-3/8" production tubing. Visually inspect production tubing while POOH.
4. TIH with scraper and clean up well bore to TD (This step is required at the descretion of the Projecti Lead after inspecting the pulled out tubing.)
5. Pick up RBP and multi set packer fro 5-1/2" casing and run on tubing string. Set RBP +30' above top perforations (top perforations at 6,434'). Set Packer 20' above and test RBP to 1000 psi.
6. Release packer and load hole with KCL . Test Casing to 500 psi.

**If the casing is tested and holding pressure, proceed with Step-7.**

If the casing did not test, release packer, move uphole and test above and below the packer till the leak is identified.

Inform Houston Engineering and plan a cement squeeze.

**Fogelson 10- 1**  
**API # 30-45-08554-00**  
**Repair Braidenhead Leak**

**ALSO NOTIFY BLM/OCD OF THE CASING LEAK AND SUBMIT  
CEMENT SQUEEZE PLANS AND TIMING AND GET APPROVALS.  
24 hrs notice may be required.**

7. If there is no casing leak, Pull out of hole with packer and RBP.
8. Set RBP at 350 Test plug to 500 psi. Place sand on top of RBP.
9. Perforate squeeze holes at 320'. Perform braidenhead squeeze. Multiple squeezes may be required to eliminate the braidenhead leak.

Notify BLM/OCD of the plans to cement squeeze. A 24 hours notice is required.

10. TIH with tubing and bit. Drill out cement and pressure test squeeze to 500 psi.
11. Clean out to top of RBP and retrieve RBP.
12. Run in hole with 2-3/8" production tubing with SN, mule shoe, Clean up to TD
13. Land tubing at 6,447' MD. With rig slick line run gauge ring run and drift to the SN.
14. ND BOP's. NU Tree. Rig down and move off well.

S.S.Gopalan  
For the West Team/ San Juan



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Betty Rivera**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
**Oil Conservation Division**

July 22, 2002

Mrs. Yolanda Perez  
Conoco Inc.  
PO Box 2197 DU3084  
Houston TX 77252-2197

RE: Fogelson 10-1, E -10-29N-11W, API 30-045-08554

Dear Mrs. Perez:

The Bradenhead test on the above well indicates a failure. In order to comply with Rule 108, prevent waste and protect fresh water, you are hereby directed to initiate remedial activity before October 15, 2002.

Reference RBDMS CTP0220051641 on future correspondence.

Notify the Aztec OCD 24 hours before work is initiated.

If you have any questions, please call me at 505-334-6178, ext. 16.

Sincerely yours,

A handwritten signature in cursive script that reads "Charlie T. Perrin".

Charlie T. Perrin  
Deputy Oil & Gas Inspector  
cperrin@state.nm.us

CTP/mk

CC: CTP  
Well File