



STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

SUBMIT ORIGINAL AND 1 COPY

FOR OFFICE USE ONLY			
ET	FE	UC	SE

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—" for such proposals.)

5. FEDERAL INDIAN OR STATE LEASE NO.

D-028963

1. OIL WELL GAS WELL COALBED METHANE INJECTION WELL OTHER

6. PERMIT NO.

2. NAME OF OPERATOR

Conoco Inc.

7. API NO.

05-057-06060

3. ADDRESS OF OPERATOR

851 Werner Court

8. WELL NAME

McCallum

CITY STATE ZIP CODE

Casper, WY 82601

9. WELL NUMBER

3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements See also space 17 below.)

At surface
665' FNL, 2,100' FEL
At proposed prod. zone

10. FIELD OR WILDCAT

McCallum

11. QTR. QTR. SEC., T.R. AND MERIDIAN

NW/NE Sec. 11, T9N
R79W, 6th P.M.

RECEIVED
AUG 13 1991
COLO. OIL & GAS CONS. COMM.

Jackson

Check Appropriate Box To Indicate Nature of Notice, Report or Notification

13A. NOTICE OF INTENTION TO:

- PLUG AND ABANDON
- MULTIPLE COMPLETION
- COMMINGLE ZONES
- FRACTURE TREAT
- REPAIR WELL
- OTHER _____

13B. SUBSEQUENT REPORT OF:

- FINAL PLUG AND ABANDONMENT (SUBMIT 3RD PARTY CEMENT VERIFICATION AND JOB LOG)
 - ABANDONED LOCATION (WELL NEVER DRILLED - SITE MUST BE RESTORED WITHIN 6 MONTHS)
 - REPAIRED WELL
 - OTHER
- *Use Form 5 - Well Completion or Recompletion Report and Log for subsequent report of Multiple Commingled Completions and Recompletions

13C. NOTIFICATION OF:

- SHUT-IN, TEMPORARILY ABANDONED (DATE _____) (REQUIRED EVERY 6 MONTHS)
- PRODUCTION RESUMED (DATE _____)
- LOCATION CHANGE (SUBMIT NEW PLAT)
- WELL NAME CHANGE
- OTHER _____

14. DESCRIBE PROPOSED OR COMPLETED OPERATIONS ON THIS FORM (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent)

15. DATE OF WORK _____

In the course of recompleting McCallum No. 3 to the Pierre B formation as a water injection well, an upward channel was found by a subsequent injection survey. Please see the attached approved BLM sundry and procedure to plug and abandon the subject well.

COGCC (2-Attn: Larry Robbins), CF

16. I hereby certify that the foregoing is true and correct

SIGNED Mark G. Petrie TELEPHONE NO. (307) 261-7800

NAME (PRINT) Mark G. Petrie TITLE Administrative Supervisor DATE 8-8-91

(This space for Federal or State office use)

APPROVED Ed DuMatter TITLE SR. PETROLEUM ENGINEER DATE AUG 19 1991
O & G Cons. Comm

CONDITIONS OF APPROVAL, IF ANY:

Per Ted Kelly on 8/8/91,
Plans are to still plug well
Just received approval from
the BLM. Will submit Sundry
to COBCC detailing the plugging
procedure. JR

Per Bill with Conoco's
warden office, the well
has been shut-in and
Plans are to P₂A
once the procedure
has been submitted
and approved. Requested
a Sundry detailing this
info. JR 7-11-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

AUG 13 1991

RECEIVED
1991
RECEIVED
PRODUCTION DIV.
CASPER DIV.
OFFICE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Conoco Inc.

3. Address and Telephone No.
851 Werner Court, Casper, WY 82601 (307) 261-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
665' FNL, 2,100' FEL (NW/NE), Section 11, T9N, R79W, 6th P.M.

5. Lease Designation and Serial No.
D-28963

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation
McCallum Unit

8. Well Name and No.
McCallum Unit No. 3

9. API Well No.
05-057-06060

10. Field and Pool, or Exploratory Area
McCallum/Pierre "B"

11. County or Parish, State
Jackson, CO

13. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

(Note: Report results of multiple completion on well completion or Recompletion Report and Log form.)

14. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A summary of the work done to date on the subject well is attached.

Conoco has decided to plug and abandon the well. Total depth is 5,387'; PBD is 1,630'. The 10-3/4" surface casing is set at 503' with 250 sacks. The 7" production casing is set at 5,353' with 400 sacks. The well is currently completed in the Pierre "B" at 1,494' - 1,514' KB, 4 JSPF.

A proposed procedure for completing the work is also attached.

BLM - Craig (3); COGCC (2); BWG; YMS; WF

14. I hereby certify that the foregoing is true and correct

Signed Mark D. Gohse Title Administrative Supervisor Date 06/18/91

*This space for Federal or State office use:

Approved by [Signature] Title Chief District Manager Date Aug 1 1991

Conditions of approval, if any:

"Conditions of Approval Attached"

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Supplemental Procedure to Plug and Abandon
McCallum Unit Well No. 3**

RECOMMENDED PROCEDURE:

NOTE: All depths in this procedure are RMB unless noted.

MSDS sheets must be available on location and in the Casper office for all chemicals used in this procedure. A list of all chemicals used must be submitted to ALGB in the Casper office after completion of this procedure.

1. Notify Colorado Oil & Gas Commission and Bureau of Land Management 48 hours prior to rig up to allow them to witness the plugging operations.
Larry Robins (COOGC) - (303) 894-2100
Gene Dillashaw (BLM) - (303) 724-3437
2. MIRU. Hold pre-job safety meeting and discuss possible safety and environmental hazards involved.
3. Release packer and POOH laying down packer. RIH with tubing open-ended to $\pm 1620'$. Pump 4 bbls of 9 ppg mud. Pull tubing uphole to $\pm 1520'$.
4. MIRU cementers. Mix and pump 39 sacks cement (see cement detail) down tubing. Pull tubing uphole to $\pm 1400'$. Pump 16 bbls 9 ppg mud.
5. Rig up cementers to production casing/surface casing annulus. Establish circulation down backside at a 1/4 to 1 bbl/min rate using lease water. Mix and pump 30 sacks of cement down production casing/surface casing annulus.
6. Pull tubing uphole to $\pm 1000'$. Mix and pump 110 sacks cement (see cement detail) down tubing. Pull tubing uphole to $\pm 500'$ and continue pumping an additional 115 sacks of cement until returns come to surface. POOH and rinse off tubing. RD.
7. Dig bellhole 5' down around surface casing. Cut and remove casing strings 3' below permanent ground level.
8. Weld dry hole marker on top of casing with the following well description:

Conoco Inc.
McCallum Unit Well No. 3
NW NE Sec. 11, T9N, R79W
Jackson County, Colorado
Elevation: 8132' GRD
TD: 5387' RBM
9. Report well status change to S. Burgess in the Casper Office.
10. Reclaim and seed the location.

McCallum No. 3
Pierre "B" Plug and Abandon
June 21, 1991
Page 2

CEMENT DETAIL:

TYPE:	CLASS G
Water Ration:	5 gal/sack
Density:	15.8 ppg
Yield:	1.15 ft ³ /SK

CALCULATION OF CEMENT VOLUMES:

A. Pierre "B" Perfs:

$$20' \text{ of perfs} \times 4 \text{ SPF} \times .2 \text{ ft}^3/\text{perfs} = 16 \text{ ft}^3$$

100' of casing:

$$\begin{aligned} 100' \times .2210 \text{ ft}^3/\text{ft} &= 22.10 \text{ ft}^3 \\ +10\% \text{ per } 1000' \text{ of depth: } 3.81 \text{ ft}^3 \times 1.6 &= \underline{6.10 \text{ ft}^3} \\ &= 44.2 \text{ ft}^3 \text{ (39 sacks)} \end{aligned}$$

B. Surface Plug (1000' to cover past casing leaks):

$$1000' \text{ of casing} \times .2210 \text{ ft}^3/\text{ft} = 221.0 \text{ ft}^3$$

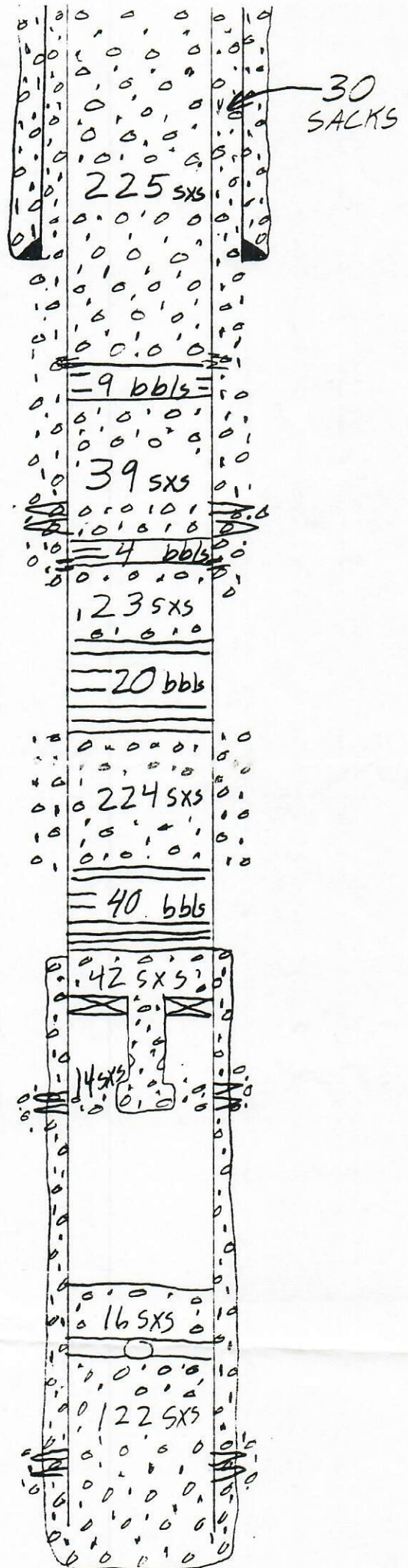
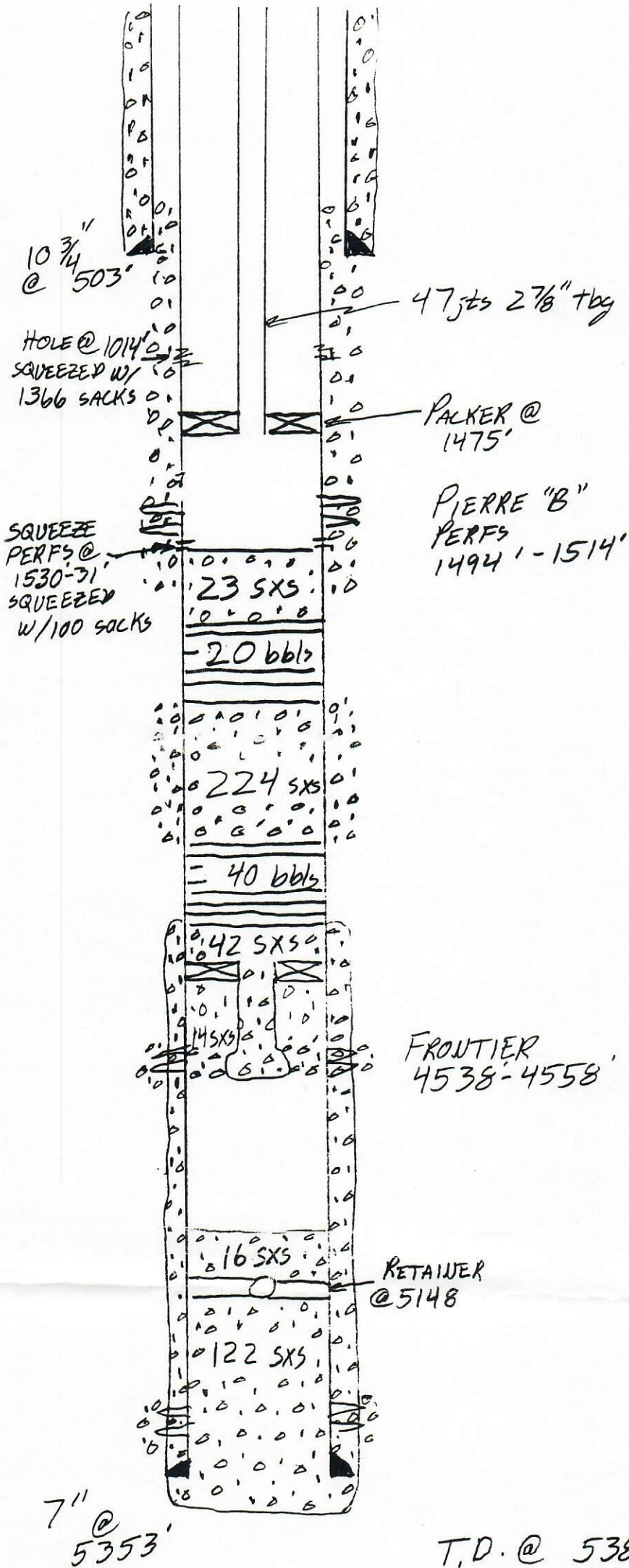
$$\begin{aligned} +10\% \text{ per } 1000' \text{ of depth: } 22.1 \text{ ft}^3 \times 1 &= \underline{22.1 \text{ ft}^3} \\ &= 243.1 \text{ ft}^3 \text{ (212 sacks)} \end{aligned}$$

COST DETAIL

CEMENT	\$6,000
RIG TIME	\$1,200
TOOL RENTALS	\$1,000
CONTRACT LABOR	<u>\$1,000</u>

PRESENT

PLUG & ABANDON



T.D. @ 5387'

DRAWING NOT TO SCALE
ALL DEPTHS RBM

CONDITIONS OF APPROVAL

Sundry Notice Dated June 18, 1991

Operator: Conoco Inc. Well No.: 3
Lease No.: D-028963 Location: Sec. 11, T9N, R79W

1. Notify Little Snake Resource Area 48 hours prior to starting operations at (303) 824-4441.
2. B.L.M. representative to witness bottom plug.
3. Submit subsequent report of plugging (form 3160-5) within 30 days of completion.
4. Pits will be backfilled and the location levelled to conform to the original contour of the land.
5. Any gravel or road base material will be removed before scarification and re-seeding takes place.
6. Revegetation and rehabilitation - the location and the flowline right-of-way will be recontoured and seeded with 10 lbs/acre of the following type:

<u>Species</u>	<u>Purity</u>	<u>Germ</u>
Whtg - Crested	30.65	53
Brome - Smooth	24.06	93
Whtg - Slender	14.63	90
Ryegrass	14.88	96
Whtg - Western	4.02	91

7. Rehabilitation will commence after plugging operations are complete. First revegetation will be started within six months of plugging the well. The Area Manager, Bureau of Land Management, Kremmling, will be contacted if there are any questions concerning the rehabilitation stipulations at (303) 724-3437.